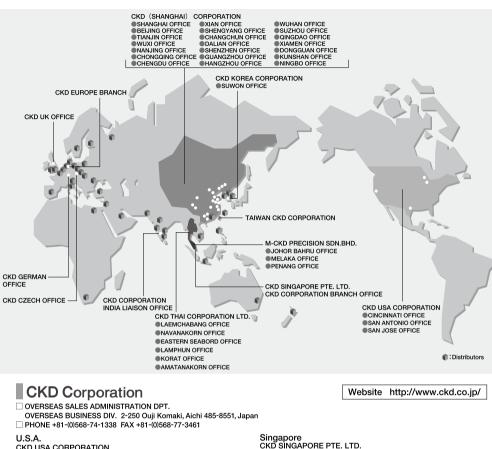
WORLD-NETWORK



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CKD

Modular

Type

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Standard

White

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Now available in new white color

New Product

Modular Type FRL Standard White Series

MODULAR TYPE FRL STANDARD WHITE SERIES



CKD Corporation CC-962A 2

Enhanced Systems Using Full-Scale Modules

Systems are easily upgraded using unified key dimensions and a diverse range of options and variations.

* Indicates series model no. 1, 2, 3, 4, 5, 6, 7, 8. This page shows only the outline. Refer to contents later in this catalog for details.

| | •••••• | This page shows only the outline. Refer to contents later in this catalog for details. |
|---|---|--|
| Combination | Mounting bracket Page 152 | |
| "C*000-W" FRL combination. Lubricator "L*000-W" Supplies oil mist to pneumatic lines. | ■ T type bracket (B110-W) This bracket has two holes on the top and bottom to fix the device, together with the system upgrade, to | |
| | a wall. This brake cylinder has oilless specifications. The 3000-W Series and 4000-W Series are coupled using B410-W. Use B410-W in that case. | ■ Joiner "C*000-J*00-W" Used as a fitting for system configuration. 3000-W Series and 4000-W series can be connected using J400-W. ■ C type bracket "B*20" This bracket fixes isolated parts just by fitting them in. ■ C type bracket "B*20" This bracket fixes parts using the panel mounting nut on the filter regulator or regulator. |
| | Pressure gauge Page 199 to 209 | For air filter F*000-W/Filter regulator W*000-W/W*100-W |
| Air filter For air filter F*000-W/Filter regulator Element For air filter F*000-W/Filter regulator | MPB . 4 | |
| | ■ Standard built in pressure gauge "G401-W" Pressure gauge protrusions are eliminated while maintaining performance equivalent to JIS Class 3. | Pressure gauge with safety mark "G*0D" Pressure switch with digital display "PPD" The pressure's actual usage range is displayed with red and green zones making visible control easier. This unit functions as the pressure detector and display, the ON-OFF switch, and the switch's external output. * Can be assembled using gauge plug. * Integration is optional. Option "R1" |
| | Filter·Regulator | Distributor Page 153 Piping adaptor Page 155 |
| Standard (5µm) element "blank" This long-life element filters out dirt and foreign particles, etc., from air. Doptional submicron 0.3µm element "Y" This dedicated element effectively separates tar and carbon. (Non-reusable) | Standard type "W*000-W" (Page 69) Reverse type "W*100-W" (Page 77) Space efficient F.R. combination. | One way branch type "D'01W" This distributor, which is installed facing either upward or downward, branches pneumatic pressure piping. |
| Bowl, bowl guard and drain discharge For air filter F*000-W, oil mist filter M*000-W, filter regulator W*000-W, W*100-W | Oil mist filter Page 103 | The effective area of the the term of term |
| * A bowl guard is installed on the plastic bowl as a standard. | "M*000-W" "MX000-W" Effectively removes oil and oil mist from pneumatic lines. | branch is large. 4 way branch type "D300-W" The pipe branches in four directions. * For 3000-W/4000-W Series * For 3000-W/4000-W Series |
| | Shut-off valve Page 143 to 148 | Bowl/bowl guard For lubricator L*000-W Pressure switch Page 137 to 142 |
| Plastic bowl and bowl guard Plastic bowl and bowl guard Bowl Paterschoorated Nation Metal | | Pneumatic line pressure is repeatedly and accurately checked. |
| Polycarbonate Nylon Metal Itelaweet Chemical resistance of the bowl. Manual drain cock Blank (standard) Z M M1 1000 Series. Automatic drain with manual override N0 type F FZ FM* FM1 The asterisk (*) indicates the manual cock with an Rc1/4 port. | "V*000-W" The pneumatic line is shut off and residual pressure is released. Maintenance work This is also used to prevent accidents from residual pressure during maintenance. V3010-W with lock out also available | Plastic bowl and bowl guard Metal bowl Material: "Blank" for polycarbonate, option "Z" for standard nylon Option "C" for manual drain cock Material: Aluminum Option "M" A bowl guard is installed on the plastic Metal bowl not available for 1000 Series. |

Check with CKD for other system upgrades.

Series variation

(Combination)

| | | | Availa | able combin | ations | | | A | ailable opti | ons | | | | | | | Com | binatio | on of op | tions (L | ***) | | | | | | | |
|------------------------------------|--------|------------|---|-------------|----------------------|--------------------|------------------|--------------------|--------------|-------------------------|------|------|---------------------|---------------|---------|-------------|----------|----------|----------|----------|----------|----------|----------|-----|---------------|----------|----|---|
| Series | | Model no. | F R | L | w | м | D | S | Р | V К | | | s | p \ | ĸ | | DP | DV | DK | | | | אסר | sv | sĸ | pv | РК | Combination position |
| | | | Filter Regulator | Lubricator | Filter/ Regulator | Oil mist filter | Distributor | Pressur | e switch | Shut-off valve | | | 3 1 | 「 ` | , r | | DF | DV | DK | 030 | DSK | | | · | SK | | FK | |
| F.R.L. combination | | C1000-W | F1000-W R1000-W | L1000-W | | | D101-W | P1100-W | | V1000-W | 0 | | 0 | |) | 0 | | 0 | | 0 | | | (| D | | | | |
| | | C2000-W | F2000-W R2000-W | L3000-W | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | 0 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| С | 0 | 0 | 0 | 1 |
| 1 . B. B. | | C2500-W | F3000-W R2000-W | L3000-W | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | 0 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| 2 C | 0 | 0 | 0 | |
| TE:- | | C3000-W | F3000-W R3000-W | L3000-W | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | 0 0 | |) (C | | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| D | 0 | 0 | 0 | |
| A DECEMBER | | C4000-W | F4000-W R4000-W | L4000-W | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | 0 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| D | 0 | 0 | 0 | |
| | Note 5 | C4000-20-W | F4000-W R4000-W | L4000-W | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | 0 0 | D C | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| C | 0 | 0 | 0 | |
| | | C6500-W | F6000-W R6000-W | L8000-W | | | D801-W | P8100-W | | V6010-W | 0 | | 0 | | C | | | | 0 | | 0 | | | | 0 | | | |
| P.21 | | C8000-W | F8000-W R8000-W | L8000-W | | | D801-W | P8100-W | | V6010-W | 0 | | 0 | | C | | | | 0 | | 0 | | | | 0 | | | |
| WL combination | | C1010-W | | L1000-W | W1000-W | | | P1100-W | | V1000-W | | | 0 | (|) | | | | | | | | | | | | | |
| | | C2010-W | | L3000-W | W2000-W | | | P4100-W | | V3000-W V3010-W | | | 0 0 | | | | | | | | | | (| 2 | 0 | 0 | 0 | |
| | | C3010-W | | L3000-W | W3000-W | | | P4100-W | P4000-W | V3000-W V3010-W | | | 0 (| | | | | | | | | | | 2 | 0 | 0 | 0 | W SorP L VorK |
| 100 100 | | C4010-W | | L4000-W | W4000-W | | | P4100-W | P4000-W | V3000-W V3010-W | | | 0 0 | | |) | | | | | | | | | 0 | 0 | 0 | |
| | Note 5 | C4010-20-W | | | W4000-W | | | P4100-W | P4000-W | V3000-W V3010-W | | | 0 0 | | | | | | | | | | (| 2 | 0 | 0 | 0 | |
| P.29 | | C8010-W | | L8000-W | W8000-W | | | P8100-W | | V6010-W | | | 0 | | C | | | | | | | | | | 0 | | | |
| FR combination | | C1020-W | F1000-W R1000-W | | | | D101-W | P1100-W | | V1000-W | • | | • | | | • | | 0 | | | | _ | (| | _ | _ | | - |
| | | C2020-W | F2000-W R2000-W | | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | _ | • • | $\frac{1}{2}$ | | | 0 | 0 | 0 | 0 | 0 | <u> </u> | <u> </u> | | 0 | <u> </u> | 0 | |
| | | C2520-W | F3000-W R2000-W | | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | _ | - | | - | · • | | 0 | 0 | 0 | 0 | <u> </u> | <u> </u> | | ~ | 0 | 0 | F D R SorPVorK |
| | | C3020-W | F3000-W R3000-W | | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | _ | • (| | | | 0 | 0 | 0 | | 0 | 0 | <u> </u> | | ~ | 0 | 0 | |
| Dan 1 and | | C4020-W | F4000-W R4000-W | | | | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | _ | • | | | | 0 | 0 | 0 | 0 | 0 | 0 | ~ | | - | 0 | 0 | Note 3 |
| | Note 5 | C4020-20-W | F4000-W R4000-W | | | | D401-W | P4100-W | P4000-W | | 0 | _ | • • | | - | - | 0 | 0 | 0 | 0 | ~ | 0 | 0 (| 2 | 0 | 0 | 0 | - |
| | | C6020-W | F6000-W R6000-W | | | | D801-W | P8100-W | | V6010-W | 0 | - | • | _ | C | | | | 0 | | 0 | _ | | _ | 0 | | | - |
| P.35 FMR combination | | C8020-W | F8000-W R8000-W | | | | D801-W | P8100-W | | V6010-W | 0 | - | • | | C | | | - | 0 | _ | 0 | | | _ | 0 | | | The piping adapter can be assembled on models marked with a ● |
| FINE combination | | C1030-W | F1000-W R1000-W | | | M1000-W | D101-W | P1100-W | | V1000-W | 0 | - | • | | | • | 0 | 0 | | 0 | ~ | _ | 0 | | ~ | _ | 0 | - |
| 2 D B | | C2030-W | F2000-W R2000-W | | | M2000-W | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | • | | ~ | | 0 | 0 | 0 | 0 | 0 | 0 | ~ | | ~ | 0 | 0 | |
| | | C2530-W | F3000-W R2000-W | | | M3000-W | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | _ | • • | | - | _ | 0 | 0 | 0 | 0 | 0 | 0 | - | | - | 0 | 0 | F M D R Sor PV or K |
| type | | C3030-W | F3000-W R3000-W | | | M3000-W | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | - | | - | 0 | 0 | |
| | | C4030-W | F4000-W R4000-W | | | M4000-W | D401-W | P4100-W | P4000-W | V3000-W V3010-W | 0 | - | • | | ~ | · • | 0 | 0 | 0 | 0 | 0 | 0 | | | ~ | 0 | 0 | Note 3 |
| | Note 5 | C4030-20-W | F4000-W R4000-W F6000-W R6000-W | | | M4000-W M6000-W | D401-W D801-W | P4100-W P8100-W | P4000-W | V3000-W V3010-W V6010-W | 0 | | • (| | | | 0 | 0 | 0 | | 0 | | 0 (| | | 0 | 0 | - |
| Z W W | | C8030-W | F8000-W R8000-W | | | M8000-W | | P8100-W | | V6010-W | 0 | | | _ | | | | | 0 | | 0 | _ | | _ | | | | |
| P.41 • WM combination | | C1040-W | F8000-W R8000-W | | W1000-W | | D601-W | P8100-W | | V1000-W | | | <u> </u> | 0 | | | | | | | 0 | | | | | | | The piping adapter can be assembled on models marked with a |
| | | C2040-W | | | W2000-W | | | P4100-W | P4000-W | V3000-W V3010-W | | + | $\frac{1}{2}$ | 5 6 | , | | | | | | | | | 5 | 0 | | 0 | - |
| | | C3040-W | | | W3000-W | | | P4100-W | P4000-W | V3000-W V3010-W | | - | | | | · . | | | | | | | | _ | | <u> </u> | 0 | |
| | | C4040-W | | | | M4000-W | | P4100-W | | V3000-W V3010-W | | - | - | $\frac{1}{2}$ | - | _ | | | | | | | | 5 | - | <u></u> | 0 | W SorP M VorK |
| | Note 5 | C4040-20-W | | | W4000-W | | | P4100-W | | | | - | - | | | | | | | | | | | 5 | ~ | 0 | 0 | |
| P47 | Note 5 | C8040-20-W | | | W8000-W | | | P8100-W | F 4000-VV | V6010-W | | + | $\frac{1}{2}$ | - | | | | | | | | | Ň | - | $\frac{1}{2}$ | - | | |
| RM combination | | C1050-W | R1000-W | | | M1000-W | | . 5100-44 | 1 | 1 10010-00 | 1 | | \sim L | | | <u> </u> | 1 | | | | | | | | \sim | | | 1 |
| | | C2050-W | R2000-W | | | M2000-W | - | | | | 1 | | | | | | | | | | | | | | | | | |
| 12 | | C2550-W | R2000-W | | | M3000-W | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| Aller all | | C3050-W | R3000-W | | | M3000-W | 1 | | / | | | | | | | | | | | | | | | | | | | |
| | | C4050-W | R4000-W | | | M4000-W | - | | | | 1 | | | | | | | | | | | | | | | | | |
| | Note 5 | C4050-20-W | R4000-W | | | M4000-W | 1 | / | - | | 1 | | | | | | | | | | | | | | | | | |
| | | C6050-W | R6000-W | | | M6000-W | _ | | | | | | | | | | | | | | | | | | | | | |
| P.53 | | C8050-W | R8000-W | | - | M8000-W | | | | | | | Two T-b | | | | | | | | | | | | | | | |
| FM combination | | C1060-W | F1000-W | | | M1000-W | r — | | | / | | | Mountin | | | | | | | | | | | | | | | |
| IN I | | C2060-W | F2000-W | | | M2000-W | 1 | | | | Note | | T-type b Howeve | | | | | | | | | | | | | | | s mounted on the end. |
| EAT - | | C3060-W | F3000-W | | | M3000-W | 1 | | | | Note | | | | | | | | | | | | | | | | | nting position. |
| | | C4060-W | F4000-W | | | M4000-W | 1 | | / | - | | e 5: | Piping a | daptor | set A40 | 0-20-W | can be i | nstalled | d on bo | th ends | of C40 | *0-20-\ | | | | | | |
| | Note 5 | C4060-20-W | F4000-W | | | M4000-W | 1 | / | | | N | | The port Only up | | | | | | | he pipir | ig adapt | er, | | | | | | |
| | | C6060-W | F6000-W | | | M6000-W | 1. | | | | Note | e o: | Only up | ward dr | anching | y is availa | able for | opuon | υ. | | | | | | | | | |
| P.59 | | C8060-W | F8000-W | | | M8000-W | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| FFM combination | | C3070-W | F3000-W (5µm) F3000-W (0.3µm) | | | M3000-W | ŕ | | | / | 1 | | | | | | | | | | | | | | | | | |
| P.P. | | C4070-W | F4000-W (5um) | | | M4000-W | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| 1 1 1 | Note 5 | C4070-20-W | F4000-W (0.3µm) F4000-W (5µm) 54000 W (0.3µm) | | | M4000-W | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| | | C6070-W | F4000-W (0.3µm) F6000-W (5µm) F6000-W (0.3µm) | | | M6000-W | 1 | / | | | | | | | | | | | | | | | | | | | | |
| P.65 | | C8070-W | F8000-W (0.3µm) F8000-W (5µm) F8000-W (0.3µm) | | | M8000-W | 1 | | | | | | | | | | | | | | | | | | | | | |
| F.00 🛡 - | | 100010-44 | rauuu-w (0.3μm) | 1 | 1 | | \sim | | | | | | | | | | | | | | | | | | | | | |

Read to "Safety Precautions" before use.

1



(Filter · regulator)

| | | | | | | | | - |
|--|-----------|-----|----------|----------|------|------------|------------|------|
| Corico | Model no. | | | Port | size | | | Daga |
| Series | wodel no. | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | Page |
| Filter•regulator | W1000-W | • | | | | | | - |
| | W2000-W | | Ŏ | • | | | | - |
| | W3000-W | | Ŏ | Ŏ | | | | 69 |
| | W4000-W | | Ĭ | • | • | - | | - ~~ |
| 1 V | W8000-W | | | | | • | • | - |
| | W1100-W | • | • | | | — — | — | |
| ● Reverse filter • regulator | | | - | | | - | | - |
| Reverse filter · regulator | W2100-W | | • | • | | - | | |
| - | W3100-W | _ | • | • | | | | 77 |
| L L | W4100-W | | | • | • | <u> </u> | <u> </u> | _ |
| ×. | W8100-W | | | | | | | |
| Filter) | | | | | | | | |
| Series | Model no. | | | | size | | | Page |
| | | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | |
| Filter | F1000-W | | • | | | | | |
| | F2000-W | | | • | | | | |
| u | F3000-W | | | | | | | |
| | F4000-W | | | | | | | - 85 |
| | F6000-W | | | | | • | • | - |
| | F8000-W | - | | | | Ŏ | ě | - |
| ● Air filter • medium pressure | FM3000-W | _ | • | | | | | |
| ● Air filter • medium pressure | FM4000-W | | | | • | | <u> </u> | - |
| | | | - | – | - | - | | 159 |
| | FM6000-W | _ | | | | • | • | - |
| and a second sec | FM8000-W | | | | | | | |
| Oil mist filter) | | | | | | | | |
| Series | Model no. | | | | size | | | Page |
| | | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | |
| Oil mist filter | M1000-W | | • | | | | | |
| | M2000-W | | | | | | | |
| | M3000-W | | | | | | | |
| iek. | M4000-W | | | • | | | 1 | - 95 |
| | M6000-W | | - | | - | • | • | - |
| | M8000-W | _ | | | | Š | ě | - |
| | MX1000-W | • | • | 1 | | — — | — — | |
| High performance oil mist filter | | | | | | | | - |
| High performance oil mist filter | MX3000-W | _ | • | • | | | | |
| B III III III III III III III III III I | MX4000-W | | | | | <u> </u> | <u> </u> | 103 |
| | MX6000-W | | | | | | • | _ |
| T | MX8000-W | | | | | | | |
| Oil mist filter for medium pressure | MM3000-W | | | | | | | |
| | MM4000-W | | | | | | | 105 |
| 1 | MM6000-W | | | İ | | • | | 165 |
| | MM8000-W | | | | | • | • | |
| Regulator) | | | • | • | | | | • |
| | Medalara | | | Port | size | | | Der |
| Series | Model no. | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | Page |
| Regulator | R1000-W | • | • | | | | | |
| | R2000-W | ┥_━ | | • | | + | <u> </u> | -1 |
| 1 3 | R3000-W | | - | - | | + | <u> </u> | -1 |
| a res | | | • | | | | ─── | 113 |
| The st | R4000-W | | | | | <u> </u> | <u> </u> | - |
| | R6000-W | | | | | • | | 1 |
| | R8000-W | | | | | | | |
| Reverse regulator | R1100-W | • | | | | | | |
| | R2100-W | | • | | | | | 1 |
| Reverse regulator | R3100-W | 1 | O | | | 1 | 1 | 1 |
| | R4100-W | 1 | Ŏ | Ŏ | • | 1 | 1 | 121 |
| | R6100-W | 1 | | | - | | | 1 |
| | | | | | | | | |

Regulator for medium pressure

(Lubricator)

| Series | | Model no. | | | Port | size | | | Dogo |
|---|-----|-----------|-----|-----|------|------|-----|---|------|
| Selles | | woder no. | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | Page |
| ≗ ● Lubricator | 4 | L1000-W | | • | | | | | |
| La | | L3000-W | | | | | | | 100 |
| dular | 180 | L4000-W | | | | | | | 129 |
| WO | | L8000-W | | | | | | | 1 |
| CKD | | | | | | | | | |

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R6100-W

R8100-W

RM3000-W

RM4000-W

13

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Series variation

(Other related components)

| Series | Model no. | | | | | | | P | ort siz | e | | | | | | | Page |
|---------------------------------|---------------|----|----|----|-----|-----|------|-----|---------|-----|-----|-----|---|-------|-------|---|------|
| Series | woder no. | ø4 | ø6 | ø8 | ø10 | ø12 | 1/16 | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | Fage |
| Automatic drain | DT3000/4000-W | | | | | | | | | • | • | | | | | | 213 |
| Air pressure switch | P4000-W | | | | | | | | ٠ | • | • | | | | | | 137 |
| | P*100-W | | | | | | | | | | | | | | | | 139 |
| | APS-W | | | | | | | | | | | | | | | | 210 |
| Shut-off valve | V1000-W | | | | | | | ٠ | • | | | | | | | | 143 |
| | V3000-W | | | | | | | | | | | | | 1 | | | 143 |
| Shut-off valve with key hole | V3010-W | | | | | | | | • | | | | | | | | 146 |
| (OSHA compliant) | V6010-W | | | | | | | | | | | • | • | | | | 146 |
| Slow start valve | V3301-W | | | | | | | | ٠ | • | • | | | | | | 140 |
| | V3321-W | | | | | | | | | • | | | | | | | 149 |
| Thin pressure gauge | G401 | | | | | | | | | | | | | | | | 199 |
| Pressure gauge with safety sign | G40D/50D | | | | | | | ٠ | ٠ | | | | | 1 | | | 200 |
| Pressure gauge with limit gauge | G45D | | | | | | | ٠ | | | | | | | | | 201 |
| | G41D | | | | | | | | | | | | | | | | 202 |
| General purpose pressure gauge | G49D•59D | | | | | | | ٠ | ٠ | | | | | | | | 203 |
| Pressure gauge for panel mount | G53D | | | | | | | ٠ | ٠ | | | | | | | | 205 |
| Pressure gauge with switch | G52D | | | | | | | | ٠ | | | | | | | | 207 |

(Attachments)

| Series | Model no. | Applicable model | Page |
|------------------------------------|--------------|-----------------------|------|
| T type bracket | B110-W | 1000 Series | |
| | B310-W | 2000/3000 Series | 152 |
| | B410-W | 4000 Series | 152 |
| | B810-W | 6000/8000 Series | |
| C type bracket | B120 | 1000 Series | |
| | B220 | 2000 Series | |
| | B320 | 3000 Series | 152 |
| | B420 | 4000 Series | 152 |
| | B620 | 6000 Series | |
| | B820 | 8000 Series | |
| L type bracket | B130 | 1000 Series | |
| | B230 | 2000 Series | 450 |
| | B330 | 3000 Series | |
| | B430 | 4000/6000 Series | |
| Joiner | C1000-J100-W | 1000 Series | |
| | C1000-J100-W | 2000/3000/4000 Series | 152 |
| | C8000-J800-W | 6000/8000 Series | |
| Distributor | D101-W | 1000 Series | |
| | D401-W | 2000/3000/4000 Series | 150 |
| | D801-W | 6000/8000 Series | 153 |
| | D300-W | 2000/3000/4000 Series | |
| Piping adaptor | A100-W | 1000 Series | |
| | A400-W | 2000/3000/4000 Series | 155 |
| | A800-W | 6000/8000 Series | 1 |
| L type piping adapter | A101-W | 1000 Series | |
| | A401-W | 2000/3000/4000 Series | 156 |
| | A801-W | 6000/8000 Series | |

| Series | | | Port | size | | | Maximum flow rate m³/min. (A | NR) | Mode | el no. |
|--------------------|-----|-----|------|------|-----|---|---------------------------------|-----|--------------|-----------------|
| Cenes | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | | 10 | Manual drain | Automatic drain |
| | • | • | • | • | • | • | 0.45 | | C1000-6-W | - |
| FRL Combination | | • | | | | | 0.63 | | C1000-8-W | - |
| | | | • | | | | 1.2 | | C2000-8-W | C2000-8-W-F1 |
| | | • | • | | | | 1.7 | | C2000-10-W | C2000-10-W-F1 |
| N 0 20- | | | | | | | 1.28 | | C3000-8-W | C3000-8-W-F |
| THE PARTY | | | | | | | 1.75 | | C3000-10-W | C3000-10-W-F |
| | | | | | | | 2.4 | | C4000-10-W | C4000-10-W-F |
| | | | | | | | 3.0 | | C4000-15-W | C4000-15-W-F |
| | | | | | | | 7.0 | | C8000-20-W | C8000-20-W-F |
| | | | | | | | 7.5 | 5 | C8000-25-W | C8000-25-W-F |

*Flow rate when supplied pressure is 0.7MPa, set pressure 0.5MPa, pressure drop 0.1MPa.

| | • | • | • | • | • | • | 0.46 | F1000-6-W | - |
|------------|---|---|---|---|---|---|------|------------|-----------------------|
| Air filter | | ٠ | | | | | 0.61 | F1000-8-W | - |
| | | | • | | | | 1.3 | F2000-8-W | F2000-8-W-F1, Note 1 |
| | | • | • | | | | 1.7 | F2000-10-W | F2000-10-W-F1, Note 1 |
| | | | | | | | 1.23 | F3000-8-W | F3000-8-W-F |
| | | | | | | | 1.5 | F3000-10-W | F3000-10-W-F |
| | | | | | | | 2.14 | F4000-10-W | F4000-10-W-F |
| - | | | | | | | 3.0 | F4000-15-W | F4000-15-W-F |
| | | | | | | | 6.4 | F8000-20-W | F8000-20-W-F |
| | | | | | | | 6.8 | F8000-25-W | F8000-25-W-F |

*Flow rate when supplied pressure is 0.7MPa and pressure drop is 0.02MPa. Note 1: Refer to the max. flow rate on page 13. for automatic drain "F1"

| | • | • | • | • | • | • | 0.15 (0.01µm) | M1000-6-W | - |
|-----------------|---|---|---|---|---|---|----------------|------------|---------------|
| Oil mist filter | | • | | | | | 0.15 (0.01µm) | M1000-8-W | - |
| | | | • | | | | 0.25 (0.01µm) | M2000-8-W | M2000-8-W-F1 |
| | | • | • | | | | 0.25 (0.01µm) | M2000-10-W | M2000-10-W-F1 |
| | | | | | | | 0.36 (0.01µm) | M3000-8-W | M3000-8-W-F1 |
| | | | | | | | 0.36 (0.01µm) | M3000-10-W | M3000-10-W-F1 |
| | | | | | | | 0.825 (0.01µm) | M4000-10-W | M4000-10-W-F1 |
| | | | | | | | 0.825 (0.01µm) | M4000-15-W | M4000-15-W-F1 |
| | | | | | | | 2.6 (0.01µm) | M8000-20-W | M8000-20-W-F1 |
| | | | | | | | 2.6 (0.01µm) | M8000-25-W | M8000-25-W-F1 |

*This is the flow at supply pressure 0.7MPa pressure drop 0.01MPa.

Note: By combining a piping adapter with the 4000, 8000 Series, the port size can be increased by 1 size. Contact CKD for details. (available up to Rc3/4 for 4000 series , Rc1 1/4 for 8000 series)

| Series | | | Port | size | | | Maximum flow rate m³/min. (ANR) | Mode | el no. |
|-----------|-----|-----|------|------|-----|---|------------------------------------|--------------|-----------------------|
| Genes | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 0.1 1.0 10 | Manual drain | Automatic drain |
| Filter | • | • | • | • | • | • | 0.83 | W1000-6-W | - |
| Regulator | | • | | | | | 1.15 | W1000-8-W | - |
| | | | • | | | | 1.5 | W2000-8-W | W2000-8-W-F1, Note 1 |
| | | • | • | | | | 2.0 | W2000-10-W | W2000-10-W-F1, Note 1 |
| | | | | | | | 2.15 | W3000-8-W | W3000-8-W-F |
| | | | | | | | 2.43 | W3000-10-W | W3000-10-W-F |
| 191 | | | | | | | 4.35 | W4000-10-W | W4000-10-W-F |
| | | | | | | | 4.75 | W4000-15-W | W4000-15-W-F |
| Ψ | | | | | | | 10.0 | W8000-20-W | W8000-20-W-F |
| | | | | | | | 10.0 | W8000-25-W | W8000-25-W-F |

*Flow rate when supplied pressure is 0.7MPa, set pressure 0.5MPa, and pressure drop is 0.1MPa. Note 1: Refer to the max. flow rate on Page 13. for automatic drain "F1"

| Series | | | Port | size | | | Maximum flow rate m ³ /min. (ANR) | Model no. |
|-----------|-----|-----|------|------|-----|---|---|------------------------------|
| - Oches | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 0.1 1.0 10 | With standard pressure gauge |
| Regulator | • | • | • | • | | | 0.77 | R1000-6-W |
| Regulator | | • | • | | • | • | 1.35 | R1000-8-W |
| | | | • | | | | 1.75 | R2000-8-W |
| A AND | | | | | | | 2.5 | R2000-10-W |
| E | | | | | | | 2.6 | R3000-10-W |
| | | | | | | | 4.4 | R4000-10-W |
| | | | | | | | 5.0 | R4000-15-W |
| | | | | | | | 14.0 | R8000-20-W |
| | | | | | | | 11.0 | R8000-25-W |

*Flow rate when supplied pressure is 0.7MPa, set pressure 0.5MPa, and pressure drop is 0.1MPa.

| Series | | | Port | size | | | Maximum flow rate m³/min. (ANR) | Model no. |
|------------|-----|-----|------|------|-----|---|------------------------------------|------------|
| Genes | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 0.1 1.0 10 | Standard |
| Lubricator | • | • | • | • | • | • | 0.55 | L1000-6-W |
| | | • | • | | | | 0.7 | L1000-8-W |
| | | | | | | | 1.1 | L3000-8-W |
| | | | | | | | 2.25 | L3000-10-W |
| - [] | | | | | | | 1.7 | L4000-10-W |
| | | | | | | | 2.7 | L4000-15-W |
| | | | | | | | 6.3 | L8000-20-W |
| | | | | | | | 10.0 | L8000-25-W |

*Flow rate when supplied pressure is 0.5MPa and Pressure drop is 0.03MPa.

It's NEW CONCEPT

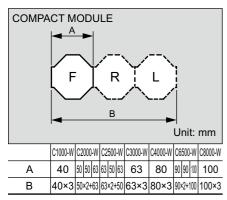
Pursuing high performance in all aspects, functionality, operability, serviceability, and safety.

[Filter for compressed air, regulator, filter, other components]

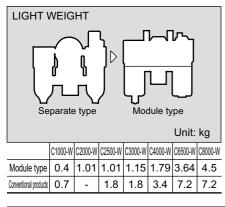
FUNCTIONAL FEATURES

Compact module

F.R.L. main dimensions (width and depth) are integrated into a compact module. Accurate assembly dimensions are obtained with simple calculation.



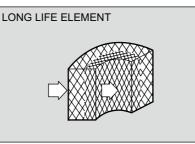
● Lighter by 50% from conventional models. Hybrid material (aluminum die cast with resin cover) provides strength and cuts weight 50% over the conventional type. (C4000 comparison)



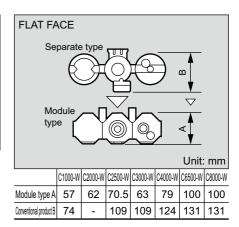
CKD

Long service life element

This element incorporates CKD's original chemical fiber structure (patent pending), which has a rough surface and gradually becomes finer toward the inside. Clogging is greatly reduced and element life greatly extended. There is nor risk of rusting.



• Embedded pressure gauge for space saving The conventional protruding pressure gauge wasted space on the front, and posed risks to users. Neat design and safety are realized by embedding the pressure gauge into the body.



 Mechanism to prevent oil dripping during primary side pressure drop
 Reduces dripping of oil discharge of shut-off valve.

Corrosion resistant, safe bowl guard Appropriate for piping in limited space or complicated piping.

Gauge plug

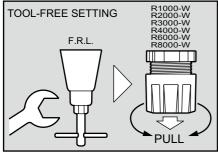
The gauge plug is sealed even without a pipe plug. (Refer to page 209 when using screw-in type pressure gauge)



OPERATIVE FEATURES

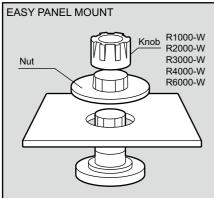
Tool free pressure control

No tools required to adjust pressure. The knob is locked with a single push, The knob is locked with a single push, and is easily operated when setting pressure.



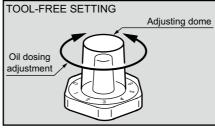
● Easy to accommodate with panel mount When the panel mounting nut is loosened, the nut acts as a jack and enables the knob to be removed easily. Fix the nut to mount in the panel. The L-type bracket is also installed similarly to the nut.

(The body can be fixed securely without play with the L-type bracket) *Excluding 8000 Series

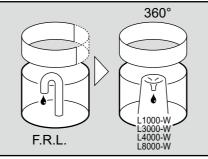


Note: Install the nut before installing the knob. (With the R2000-W, the nut is removed without removing the knob.) ● Oil drip adjustment knob with lock Easy tool free oil dosing adjustment. A stopper is provided in the opening direction to function as a lock, and increase safety. The number on the dial are used as a guide after adjusting dripping.

* Keep the oil dosing adjustment below 0.5N·m



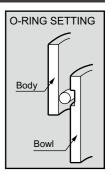
Double plastic structure A double plastic structure is used so oil dripping is confirmed from 360°.



• Easy removal integrated filter element The integrated bowl and bowl guard are easily attached and removed by operating the latch. (No latch for 1000-W series)

Mount and remove the bowl and bowl guard after checking that pressure is not being applied.

● O ring fall out prevention An O ring slot is provided on the bowl to prevent O ring from falling out during bowl attachment and removal for a safe and accurate seal



Easy to use filter element

The integrated element is removed by turning the baffle 45° to the left. (1000-W Series only)



Description of options

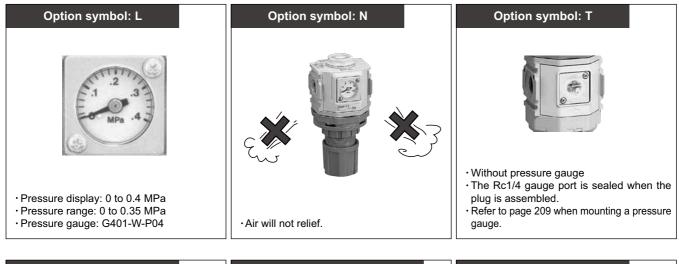
Combination lists of drainage and bowl material of filter (Don how to order)

| Applicable cories | Bowl material | | Manual drain cock | Automatic drain with manual cock Large automatic drain with manual cock | | | | | |
|--------------------------------|---------------|---------------|-------------------|---|----------------------|------------------------------|-----------------------------|--|--|
| Applicable series | | | | NO type | NC type | NO type | NC type | | |
| 1000-W Series | Plastic bowl | Polycarbonate | ⊖ (Blank) | × | O (Symbol: F1) | × | × | | |
| | | Nylon | ◯ (Symbol: Z) | × | O (Symbol: F1Z) | × | × | | |
| | Metal bowl | Aluminum | × | × | × | × | × | | |
| 2-W Series | Plastic bowl | Polycarbonate | ⊖ (Blank) | ◯ (Symbol: F) | O (Symbol: F1) | × | × | | |
| 3000-W Series 4000-W Series | | Nylon | ◯ (Symbol: Z) | ○ (Symbol: FZ) | O (Symbol: F1Z) | × | × | | |
| 6000-W Series | Metal bowl | Aluminum | ○ (Symbol: M/M1) | O (Symbol: F1/FM1) | O (Symbol: F1M/F1M1) | × | × | | |
| 8000-W Series | Plastic bowl | Polycarbonate | ⊖ (Blank) | ◯ (Symbol: F) | O (Symbol: F1) | ◯ (Symbol: FF) | ○ (Symbol: FF1) | | |
| | | Nylon | ◯ (Symbol: Z) | ○ (Symbol: FZ) | O (Symbol: F1Z) | ○ (Symbol: FFZ) | ○ (Symbol: FF1Z) | | |
| | Metal bowl | Aluminum | ○ (Symbol: M/M1) | O (Symbol: F1/FM1) | O (Symbol: F1M/F1M1) | ○ (Symbol: F1) | (Symbol FF1M/FF1M1) | | |
| Features | | | | In a nonpressurized state, | Air is not purged | Drainage is automatically | Air is not purged during | | |
| | | | | such as at night, the valve | during initial | discharged when discharge | initial pressurization when | | |
| | | | - | opens and drainage is | pressurization. | performance is high and | discharge performance is | | |
| | | | | discharged automatically. | | the unit is not pressurized. | high. | | |

Combination lists of drainage and bowl material of lubricator (Don how to order)

| Applicable series | Bowl ma | aterial | No manual cock | With manual cock | |
|--------------------------------|--------------|---------------|----------------|--------------------|--|
| 1000-W Series | Plastic bowl | Polycarbonate | ⊖ (Blank) | ◯ (Symbol: C) | |
| | | Nylon | ◯ (Symbol: Z) | ○ (Symbol: CZ) | |
| | Metal bowl | Aluminum | × | × | |
| 2000-W Series 2500-W Series | Plastic bowl | Polycarbonate | ◯ (Blank) | ◯ (Symbol: C) | |
| 3000-W Series 4000-W Series | | Nylon | ◯ (Symbol: Z) | O (Symbol: CZ) | |
| 6000-W Series 8000-W Series | Metal bowl | Aluminum | ◯ (Symbol: M) | ○ (Symbol: CM/CM1) | |

Description of pressure range, pressure gauge and flow direction option symbol (Don how to order)



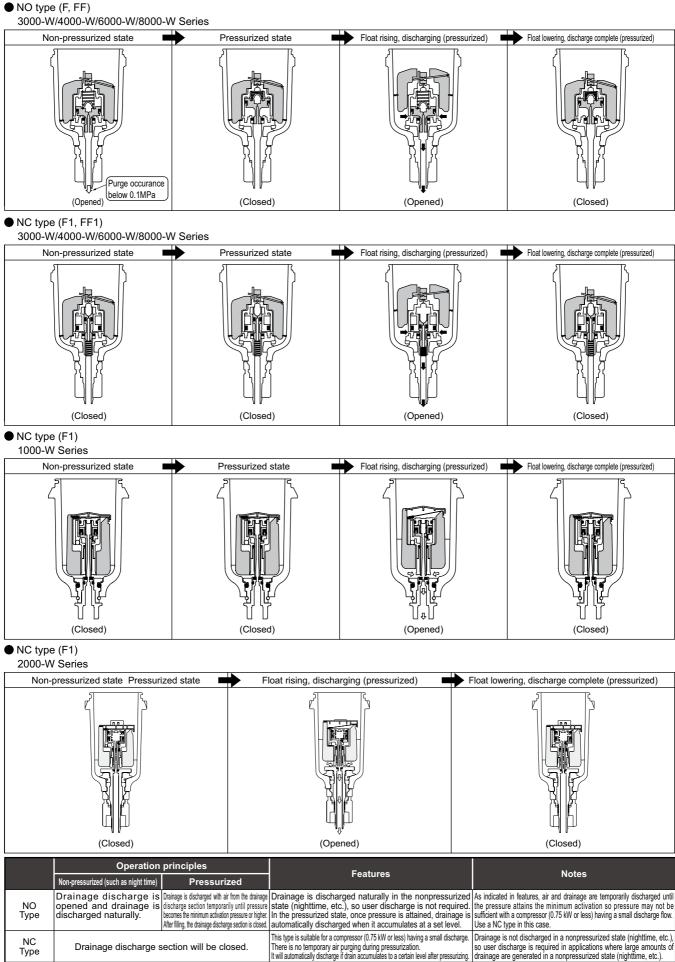
Option symbol: T8/T6 Option symbol: R1/R2 (note) **Option symbol: X1** R1 R2 OUT IN · Pressure gauge not included · Pressure switch with display PPD assembled because round pressure gauge is attached. · Digital pressure sensor PPX included. Refer to "Pneumatic, Vacuum and Auxiliary · Pressure gauge mounting port is open. · Refer to page 209 when mounting a pressure Components (Catalog No. CB-024SA)" for The right side will be IN with the pressure gauge facing forward. details) gauge.

(Note) Option symbol "R1" is not available for C*000-W, C*010-W Series.

Principles of float type automatic drain

Principles of float type automatic drain

Type



drainage are generated in a nonpressurized state (nighttime, etc.).



Safety precautions

Always read this section before starting use.

When designing and manufacturing a device using CKD products, the manufacturer is obligated to check that device safety mechanism, pneumatic control circuit, or water control circuit and the system operated by electrical control that controls the devices is secured.

It is important to select, use, handle, and maintain the product appropriately to ensure that the CKD product is used safely. Be sure to observe the description given under DANGER, WARNING and CAUTION to assure safety of the equipment. Check that device safety is ensured, and manufacture a safe device.



1 This product is designed and manufactured as a general industrial machine part.

It must be handled by an operator having sufficient knowledge and experience in handling.

2 Use this product in accordance of specifications.

This product must be used within its stated specifications. It must not be modified or machined.

This product is intended for use as a general-purpose industrial device or part. It is not intended for use outdoors or for use under the following conditions or environment.

(Note that this product can be used when CKD is consulted prior to use and the customer consents to CKD product specifications. The customer must provide safety measures to avoid risks in the event of problems.)

Use for special applications requiring safety including nuclear energy, railroad, aviation, ship, vehicle, medical equipment, equipment or applications coming into contact with beverage or food, amusement equipment, emergency shutoff circuits, press machine, brake circuits, or for safeguard.

② Use for applications where life or assets could be adversely affected, and special safety measures are required.

3 Observe corporate standards, regulations, etc., related to the safety of device design and control, etc.

ISO 4414, JIS B 8370 (pneumatic system rules)

JFPS2008 (Principles for pneumatic cylinder selection and use)

Including High Pressure Gas Maintenance Law, Occupational Safety and Sanitation Laws, other safety rules, body standards and regulations, etc.

I Do not handle, pipe, or remove devices before confirming safety.

- Inspect and service the machine and devices after confirming safety of the entire system related to this product.
- 2 Note that there may be hot or charged sections even after operation is stopped.
- When inspecting or servicing the device, turn off the energy source (air supply or water supply), and turn off power to the facility. Discharge any compressed air from the system, and pay enough attention to possible water leakage and leakage of electricity.
- When starting or restarting a machine or device that incorporates pneumatic components, make sure that the system safety, such as pop-out prevention measures are secured.
- 5 Observe warnings ad cautions on the pages below to prevent accidents.

The safety cautions are ranked as "DANGER", "WARNING" and "CAUTION" in this section.

DANGER: When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries, or when there is a high degree of emergency to a warning.

WARNING: When a dangerous situation may occur if handling is mistaken leading to fatal or serious injuries.

CAUTION: When a dangerous situation may occur if handling is mistaken leading to minor injuries or physical damage.

Even items described under CAUTION may cause serious results. In any case, important information that must be observed is explained.

Disclaimer

1 Term of warranty

"Warranty Period" is one (1) year from the first delivery to the customer.

2 Scope of warranty

In case any defect attributable to CKD is found during the Warranty Period, CKD shall, at its own discretion, repair the defect or replace the relevant product in whole or in part, according to its own judgement.

- This Limited Warranty will not apply to:
- (1) Product abuse/misuse contrary to conditions/environment recommended in its catalogs/specifications
- (2) Failure caused by other than the delivered product
- (3) Use other than original design purposes.
- (4) Third-party repair/modification
- (5) Failure caused by reason that is unforeseeable with technology put into practical use at the time of delivery (6) Failure attributable to force majeure.

In no event shall CKD be liable for business interruptions, loss of profits, personal injury, costs of delay or for any other special, indirect, incidental or consequential losses, costs or damages.

3 Compatibility confirmation

In no event shall CKD be liable for merchantability or fitness for a particular purpose, notwithstanding any disclosure to CKD of the use to which the product is to be put.

11



Pneumatic components (F.R.L. unit (modular design))

Safety precautions

Always read this section before starting use.

Refer to "Pneumatic, Vacuum and Auxiliary Components (Catalog No. CB-024SA)" precautions for pneumatic components in general.

Specific precautions: F.R.L. (modular design)

Design & Selection

1. Common

A WARNING

- This product is for industrial use only. It must not be used in components or circuits for medical equipment or components that involve human lives.
- Air filter, lubricator plastic bowl, lubricator's drip window, and pressure gauge lens

Material is polycarbonate. It cannot be used in environments containing synthetic oil, organic solvents, chemicals, coolant, screw locking agent, leak detection solutions, or hot water, etc., or where these substances may come in contact with them. Refer to page 18 for details on bowl chemical resistance.

■ Piping load torque

Check that the piping load or torque is not applied to the body or piping sections.

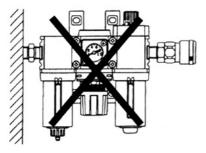
| Series | Series 1000-W | | 3000-W | 4000-W | 6000-W | 8000-W |
|--------------------|---------------|----|--------|--------|--------|--------|
| Max. torque N∙m | 15 | 15 | 50 | 50 | 100 | 100 |

With the 1000-W Series, application of a torque of 30 N·m or more on piping could damage piping. Use within the specified torque, even when using the piping adapter.

Avoid piping similar to the following example.

Avoid piping fixed with a single support, as this can result in excessive force and lead to damage.

With the 1000-W Series, application of a torque of 30 $N \cdot m$ or more on piping could damage piping. Use within the specified torque, even when using the piping adapter.



WARNING

■ Large drainage

Install the air dryer and drain separator before the air filter.

Hot and humid air or large drainage from the comp could shorten the device life or result in corrosion.

Ultra dry air

Rubber parts for the regulator could deteriorate quickly, so use of a fluorine rubber valve assembly is recommended. Consult with CKD if necessary.

- Water lubricated compressor circuits Take measures to prevent chlorine-based substances from entering the compressed air.
- Use the automatic drain under the working conditions below.

Otherwise, malfunctioning may occur.

- N.O. type automatic drain (exhaust without pressurized): F, FF
- Use a compressor with a capacity of 0.75 kW {90l/min [ANR]} or more.
- Set the working pressure to 0.1 MPa or more. (Initially generated drainage and air are purged until pressure reaches 0.1 MPa.)

N.C. type automatic drain (exhaust without pressurized): F1, FF1.

- Can be used with compressor with 0.75kw or less.
- Set the working pressure to 0.15 MPa or more.
- 1000-W, 2000-W Series NC automatic drain
- Set the working flow to less than the maximum working flow.
- In places with high vibration, such as where the compressor is installed, air could leak from the drain port when the float vibrates. Avoid this use.
- Do not let the drain overflow as it may lead to malfunctioning.

2. Regulator, filter with regulator

A WARNING

Install a safety device where an output pressure exceeding the regulator's set pressure value could result in damage or faulty operation of secondary side devices.

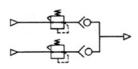
The regulator cannot process residual pressure (remove secondary pressure) when primary pressure is released.

Use a regulator with a check valve when residual pressure must be processed.

In some cases, the regulator cannot be used for secondary side sealing circuits or balance circuits.

CAUTION

- Set the regulator's secondary pressure to 85% or less that of the primary side. The pressure could drop further.
- When using regulators in parallel as shown below, do not use the OUT side as a closed circuit. If a closed circuit is required, set a check valve at the regulator's OUT side.



3. Lubricator

WARNING

■Lubricator

Consult with CKD for using lubrication with an air motor or bearings. Also consult with CKD when using this unit at a high frequency such as in a press machine.

CAUTION

If the working air rate is low for the lubricator, oil may not drip.

Check the minimum air rate required for dripping oil.

4. Pressure switch

CAUTION

When using the compact pressure switch PPD or digital pressure sensor PPX, avoid using as a set with the lubricator. The switch is not a drip-proof structure, so operation could be disabled if the lubricating oil comes in contact with it.

5. Shut-off valve

WARNING

Precautions for shut-off valve

● The EXH port is dedicated for installation of the silencer. Tighten with a torque of 3 N·m or less -- as far as is tightened manually.

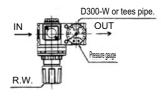
Avoid piping that applies piping load or torque, etc., to the EXH port.

 If exhaust is incomplete because of air quality, manually discharge air by operating the knob (turn and raise).

6. Pressure gauge

CAUTION

When using this unit for a large flow, etc., install a pressure gauge as shown below so that secondary pressure is measured accurately.



■Regarding G45D

- The chemical resistance of the lens is shown below.
- Avoid using products in an atmosphere where chemicals are contained in compressed air, the atmosphere, or where they could adhere to parts.
- Use in this state could lead to bowl damage and accidents.

Chemical resistance of lens

| Types of chemicals | Categories of chemicals | Main products containing the chemical | Example of general usage | Lens |
|------------------------|-------------------------|---|--|------|
| Inorganic chemicals | Acid | Hydrochloric acid, sulfuric acid, hydrofluoric acid Phosphoric acid, chrome acid, etc. | Acid washings from metals, acidic degreasing solutions, skin treatment solutions | × |
| | Aromatic hydrocarbon | Benzene, toluene Xylene, ethyl benzene, styrene | Contained in paint thinner (benzene, toluene, xylene) | × |
| | Alcohol | Methanol, ethanol, cyclohexanol, benzyl alcohol | Anti-freeze, eakage detection agent | × |
| | Phenol | Carbolic acid, cresol Nafthol, etc. | Antiseptic solution. | × |
| Organic | Ketone | Acetone, methyl ethyl ketone, cyclohexanone, acetophenone, etc. | | × |
| chemicals | Carboxylic acid | Formic acid, acetic acid, butyl acid acrylic acid, oxalic acid Phtalic acid, etc. | Dyes; oxalic acid for aluminum processing; phthalic acid for paint base and leak-detection agents e (dowel pin) from rear | × |
| | Oxo acid | Glycocholic acid, lactic acid, malic acid, citric acid, tartarate | | × |
| | Amine | Methylamine, diethylamine, ethylamine, aniline, acetoacetanilide, etc. | Brake oil additive | × |

×: Do not use (Lens will be damaged)

Specific precautions

Installation & Adjustment

1. Common

- Avoid installing this product where it is subject to direct UV rays.
- ■Flush and wash pipes to be used.

Dirt or foreign materials in piping will lower product performance.

Check that foreign materials do not enter when tightening pipes or joints.

When screwing in piping or joints, check that swarf from piping threads or sealing agent does not get inside. Dirt or foreign materials in piping will lower product performance.

- ■How to use the F.R.L. correctly
 - 1. Set the regulator pressure setting to increase. After setting pressure, lock the handle. Check primary pressure carefully before setting pressure.
 - 2. Check the arrow indicating the air inlet before connection. Reverse connection causes malfunctions.
 - 3. Install the air filter and lubricator vertically with the case facing downward. Failure to do so could lead to disconnection or malfunction.
 - 4. Use of the automatic drain where vibration is present could cause faults and malfunctions.

Pipe the automatic drain in the following conditions. Otherwise, malfunctioning may occur.

Use an inner diameter of 5.7 or more and piping of 5 m or less for the drainage section.

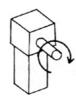
Do not pipe in a manner which will apply lateral load to the bowl.

Fix the hexagon side of the cock before screwing the joint, etc., into the Rc1/4 female screw.

■ Piping screw-in torque

Make sure that excessive torque is not applied on the body and piping when piping.

| Series | 1000-W | 2000-W | 3000-W | 4000-W | 6000-W | 8000-W |
|--------------------|--------|--------|--------|--------|--------|--------|
| Max. torque N∙m | 15 | 30 | 30 | 30 | 70 | 70 |



■ Drain piping

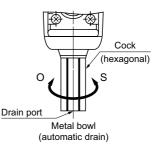
Confirm that the drain cock is closed before inserting the tube. The drain piping for the plastic bowl has a barbed nipple, and can be directly installed. However, confirm that the drain cock is closed before inserting the tube.

■ Drain cock tightening torque

 The max. tightening torque of the drain cock for the plastic bowl is as follows.
 1000 Series: 0.1N·m
 Others: 0.5N·m

•Others: 0.5N•m

- Drain piping of metal bowl with automatic drain
- Fix the cock's hexagonal face before screwing the joint, etc., into the drain port's female threads. When using the metal bowl with automatic drain, if the drain is piped with a tightening joint, manual operation is not possible.

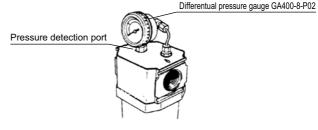


■ Drain with pressure detection port

Pressure detection port is available as an option for F6000-W·M6000-W·MX6000-W·F8000-W· M8000-W·MX8000-W.

The life of the filter element or oil mist filter mantle assembly is visually checked by assembling the differential pressure gauge GA400-8-P02 into the pressure detection port.

When selecting option Q and X1 simultaneously for F6000-W and M6000-W and mounting differential pressure gauge GA400, raise the gauge with piping material so that it does not interfere.



Check high and low-pressure port positions for the differential pressure installation port, and install correctly.

2. Regulator, filter with regulator

CAUTION

Regulator, filter regulator

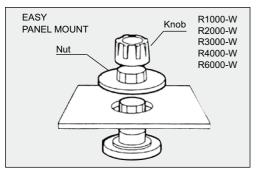
- Lightly tighten (0.6 N·m or less) mounting screws for embedded pressure gauge G401-W-OP, G401-W, and gauge plug.
- When installing the pressure gauge with a safety mark on the gauge plug, or when installing a general screw-in pressure gauge, tighten with a torque of 15N·m or less.
- Do not move or swing the product holding the adjustment knob on the regulator.
- Do not apply pressure exceeding the pressure gauge's full scale, This will cause the pressure gauge to break. (Pay extra caution when using 0.2 and 0.4 MPa pressure gauges)

Panel mounting the regulator

When the panel mounting nut is loosened, the nut acts as a jack and enables the knob to be removed easily. Fix the nut to mount in the panel. The L-type bracket is also installed similarly to the nut.

(The body can be fixed securely without play with the L-type bracket)

* Excluding 8000 Series

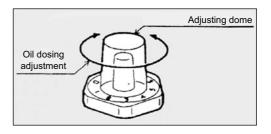


Note: Install the nut before installing the knob. (With the R2000-W, the nut is removed without removing the knob.)

3. Lubricator

Adjustment of lubricator oil drippage

Adjust the oil rate by turning the adjusting dome with bare hands. When closing the dome, tighten with a torque of 0.5 N·m or less. The numbers (scale) on the dial are a guide used after adjustment, and do not indicate the oil drip.



4. Pressure switch

CAUTION

How to mount pressure switch (PPD)

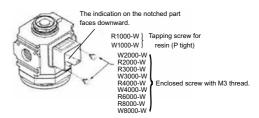
- Separate the body from the base.
- Attach an O ring.

* Refer to the outline drawings for the direct installation type (PPD-****-1F-1) (PPD-****-1F-2) on the left, and attach the O ring to the O ring groove with a clean finger.
Install the base

Install the base with the two enclosed screws (M3).

* Carefully install at the designated position in the designated direction while taking care not to dislocate the O ring.

* Do not tighten one screw completely at once, and instead tighten the two screws so that they are balanced. (Tightening torque $0.5 \pm 0.1 \text{ N} \cdot \text{m}$)



This completes installing the main unit.

Confirm no dirt or foreign matter is on the base, and then insert the body. Make sure that the body does not catch on the base. Then, insert the two keys. While pressing the body exterior against the base, set the heads of the keys so that they face each other, then insert them so that they are completely stored in the recesses on the base.



Note: Install both keys. Check that two keys are installed before pressurizing.

Note: When changing the position or orientation of the PPD which has been installed once, install using the new keys, O rings and installing screws enclosed with the option kit.

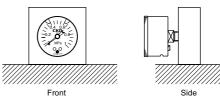
Specific precautions

Installation & Adjustment

5. Pressure gauge

■ Pressure gauge

Repeated and sudden increases and decreases in pressure and pressure pulsation must be avoided because it could adversely affect pressure gauge life. Either ease pressure fluctuation in the circuit or consult with CKD so that a pressure gauge with a cushioning screw can be prepared. Applying pressure exceeding the pressure range could damage the pressure gauge. Install vertically so the scale can be seen right from the front. (Refer to drawing below) Installation on other position will result in an unstable movement of the indicator and lower accuracy.



During Use & Maintenance

1. Common

A WARNING

Regularly, once or more in six months, check the air filter and lubricator's plastic bowl for cracks, damage, and other deterioration.

Cracks, damage or other deterioration could result in breakage, so if found, replace with a new bowl or with a metal bowl.

- Check the air filter, lubricator plastic bowl, and lubricator drip window periodically for contamination.
 - If parts are heavily contaminated or if transparency has dropped, replace with a new bowl or drip window.
 - Use a diluted neutral household detergent to wash parts, and then rinse well with clean water. Use of other agents could result in breakage.

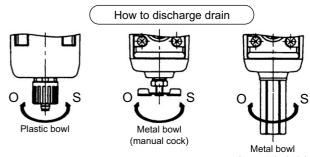
Removin filter, lubricator bowl

Before removing the bowl, the compressed air, discharge pressure in the bowl completely, and confirm that no residual pressure remains.

CAUTION

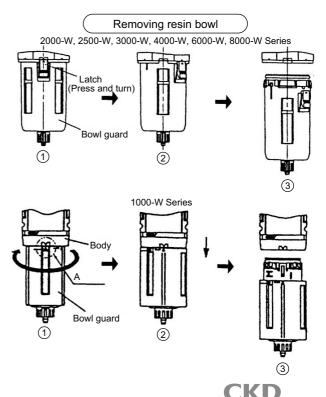
- Check the oil drip rate once a day. If the oil drip is faulty, problems could occur in the unit being lubricated.
- Do not branch the air into lubricating air and oilfree air with a distributor. The lubricator oil could reverse flow.
- Clogged filter element will lower performance. Regularly inspect, clean, and replace the element.
- Do not disassemble or modify the product.

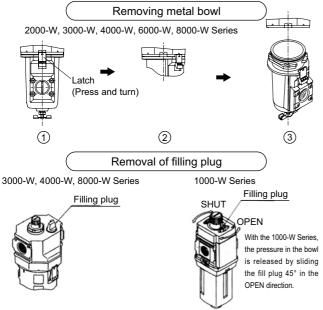
Read instructions and precautions enclosed with the product before starting use or maintenance.



(automatic drain)

- Drainage is started when the cock is turned to the O side, and the discharge is stopped when the cock is turned in the S direction. Tighten in the S direction with your hands.
- When the automatic drain is provided, drainage is discharged automatically when it accumulates. Drainage is also discharged manually.





- Close the fill plug after lubricating.
- Do not remove the bowl without removing the filling plug while the bowl is pressurized. (L3000-W to L8000-W)
- Never remove the bowl with the filling plug set to the SHUT side of the 1000-W Series (while the bowl is pressurized). (L1000-W)

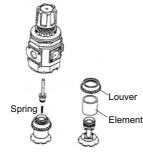
2. Filter · regulator

CAUTION

■ Element for W1000-W to W8000-W

Inspect the valve assembly when it is removed during maintenance.

Do not lose internal parts when removing the coil.





A WARNING

Drain so that air filter drainage does not accumulate beyond the maximum.

Components could malfunction if drainage flows into the secondary side.



Metal bowl

The resin bowl must not be filled more than the "drain upper limit" or "max. level" stamped on the bowl guard.

Metal bowl (M1)

Submicron 0.3µm element

Washing will not restore performance. If the pressure drops to 0.07 MPa, replace the filter with a new one. (Excluding 1000, 2000 Series)

■Oil mist filter

The service lif of the mantle (element) is 1 year (6000 hours) or when pressure drops to 0.1 MPa (Except for the X type,) Replace the mantle when life is reached. (Do not touch the urethane foam layer during replacement.)

- Replace the element before the differential pressure indicator becomes all read if it has an differential pressure indicator.
- Mount with zero of the pressure gauge scale facing vertically downward.

4. Regulator, filter with regulator

CAUTION

- Pull the pressure adjustment knob and release the lock before setting the regulator pressure. The regulator could be damaged if the pressure is set without unlock.
- Working or piping conditions could cause pulsation. We recommend changing working conditions or piping by means such as lowering primary pressure if pulsation occurs.

5. Lubricator

WARNING

■Use Class 1 turbine oil (nonadditive) ISO VG32 for the lubricator.

Use of other oil will result in damage or malfunction.

Removing the lubricator's filling plug To prevent the filling plug from popping out, loosen the filling plug by one turn, and then completely depressurize the bowl before removing the filling plug. Wipe away any dirt around the fill plug that could scatter.

CAUTION

- Periodically replenish oil in the lubricator bowl so that it does not drop below the lower limit.
- When lubricating the L1000-W, pressure in the bowl is released by turning the fill plug. Refer to the section on usage and maintenance], above, for details on using the fill plug. (Lubrication can be carried out while the pipes are pressurized) Check that there is no pressure in the bowl, remove the bowl and bowl guard, and then directly lubricate to the bowl. Refer to the previous page for details on removing the bowl.
- When lubricating the L3000-W to L8000-W, loosen the fill plug slightly to release pressure in the bowl, then remove the fill plug. Refer to the section on usage and maintenance, above, for details on using the fill plug. (By removing the filling plug, lubrication can be carried out while the pipes are pressurized.) Oil can also be supplied from the filling plug hole, and the bowl can be directly lubricated by removing the bowl and bowl guard. Refer to the previous page for details on removing the bowl. With the L8000-W, oil is supplied to the spacer by lubricating from the fill plug hole.

6. Pressure gauge

- Check that no impact or vibration is applied directly to the product.
- Limit marks will not completely contact each other. There may be a clearance of 1 scale.

17

Specific precautions

Specific precautions: F.R.L. components

Chemical resistance of plastic parts

WARNING

- The chemical resistance of plastic parts are shown below.
- Avoid using products in an atmosphere where chemicals are contained in compressed air, the atmosphere, or where they could adhere to parts.
- Use in this state could lead to bowl damage and accidents.
- Avoid using these types of chemicals or in an atmosphere containing these chemicals.
- A metal bowl is available if these chemicals must be used.

Chemical resistance of plastic bowl and body Use a metal bowl in an atmosphere containing the following chemicals. Check whether the testing solutions, sealing agents and adhesives contain the following chemicals.

| Types of chemicals | Categories of chemicals | Main products containing the chemical | Example of general usage | Polycarbonate bowl | Nylon bowl | Nylon body |
|------------------------|--|--|---|-----------------------|---------------|---------------|
| | Acid | Hydrochloride, sulfuric acid, fluorine, phosphoric acid, chromic acid, etc. | Acid washings from metals, acidic degreasing solutions, skin treatment solutions | × | × | × |
| Inorganic chemicals | Alkaline | Alkalies such as caustic soda, caustic potash, calcium hydroxide, ammonium water, or sodium carbonate | Alkaline degreasing of metals Water-based coolant, leakage detection agent | × | 0 | 0 |
| | Inorganic salts | Alkalies such as caustic soda, caustic potash, calcium hydroxide, ammonium water, or sodium carbonate | | × | 0 | 0 |
| | Aromatic hydrocarbon | Benzene, toluene, xylene, ethyl benzene, styrene, etc. | Contained in paint thinner (benzene, toluene, xylene) | × | × | × |
| | Chlorinated aliphatic hydrocarbons | Methyl chloride, ethylene chloride, methylene chloride, acetylene chloride, chloroform, trichylene, perchloro ethylene, carbon tetrachloride | | × | 0 | 0 |
| | Chlorinated aliphatic Chlorobenzene, dichlorobenzene, benzene hexachloride Chlorinated aro | | Chlorinated aromatic | × | 0 | 0 |
| | Petroleum compounds | Solvent naphtha, gasoline, kerosene | | × | 0 | 0 |
| | Alcohol | Methanol, ethanol, cyclohexanol, benzyl alcohol | Anti-freeze Leakage detection agent | × | × | × |
| | Phenol | Carbolic acid, cresold, naphthol, etc. | Antiseptic solution. | × | × | × |
| | Ether | Methyl ether, methyl ethyl ether, ethyl ether | Brake oil additive | × | 0 | 0 |
| Organic chemicals | Ketone | Acetone, methyl ethyl ketone, cyclohexanone, acetophenone, etc. | | × | × | × |
| | Carboxylic acid | Formic acid, acetic acid, butyl acid, acrylic acid, oxalic acid, phthalic acid, etc. | Dyes; oxalic acid for aluminum processing; phthalic acid for paint base and leak-detection agents e (dowel pin) from rear | × | × | × |
| | Ester | Dimethyl phthalate (DMP), diethyl phthalate (DEP), dibutyl phthalale (DBP), dioctyl phthalate (DOP) | Used as an additive for lubricant, synthetic and rust proof oil. Used as a plasticizer for resins. | × | 0 | 0 |
| | Oxo acid | Glycocholic acid, lactic acid, malic acid, citric acid, tartarate | | × | × | × |
| | Nitro compounds | Nitromethane, nitroethane, nitroethylene, nitrobenzene, etc. | | × | 0 | 0 |
| | Amine | Methylamine, diethylamine, ethylamine, aniline, acetoacetanilide, etc. | Brake oil additive | × | × | × |
| | Nitrile | Acetonitrile, acrylonitrile, benznitrile, aceloylidyne nitrile, etc. | Raw material for nitryl rubber | × | 0 | 0 |

○: Permissible ×: Not permissible (plastic will be damaged)

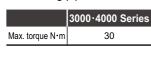
Precautions for each model

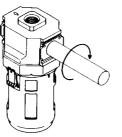
Automatic drain DT3000 · DT4000 · W Series

Installation & Adjustment

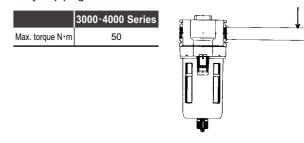
CAUTION

Piping screw-in torque Do not apply excessive torque to the body and piping when connecting pipes.





Piping, load torque Make sure that piping load or torque is not applied on the body or piping.

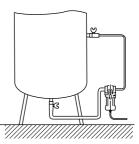


During Use & Maintenance

CAUTION

- Do not use this product where it may be subject to direct sunlight and direct UV rays.
- The bowl is made of polycarbonate, so avoid using this product with the following chemicals or in an atmosphere containing chemicals on page 18. A metal bowl is available if these chemicals must be used.
- Use a household-grade neutral detergent to clean the bowl, then rinse with water.
- ■Use an inner diameter of ø5.7 to ø6.0 or more and piping of 5 m or less for the drainage section.
- Apply compressor over 0.75kW (flow over 90/min) (NO type automatic drain only)
- Do not let in large amount of drain beyond its capacity. Sudden entry of large amount of drain may result in malfunctioning.
- Service life may shorten drastically in a environment where large amount of foreign materials enter. Please conduct maintenance and replace bowl assembly regularly.
- The bowl assembly is an consumable. Replace it regulary according to conditions and usage.
- Mount and remove the bowl and bowl guard after checking that pressure is not being applied.
- Avoid hot air as the life of components will be shortened, and corrosion could occur.

- If the drain discharger is installed at a place higher than the tank's drainage discharge port because of installation restrictions, the drainage can be discharged in the following manner.
- (1) Let the air bleed by opening the petcock slightly.
- (2) Remove the pit cock as shown below, and provide equalizer piping in the tank.



Repeated sudden increase and decrease of the pressure will cause the drainage discharger's life to drop. Gradually change the pressure in the circuit.

Precautions for mounting and removing bowl and bowl guard

CAUTION

- Residual pressure exhaust
 - Release residual pressure from the manual cock at the bottom. When using the metal bowl, release pressure from the petcock on the side.

Release the pressure applied in the bowl, and confirm that there is no pressure.

■Attatching and removing

 After confirming that the residual pressure has been released, press down the latch and turn it to lift up the bowl and bowl guard.

Modular type

Standard white series

Components for air preparation/F.R.L. unit

| Components for air preparation/F.R.L. ur | nit |
|--|--|
| | |
| | 5 |
| CONTENTS | |
| Product introduction | Intro 1 |
| Series variation Product description | 1 to 6 7 to 10 |
| | 11 to 18 |
| Combination | |
| F.R.L. combination (C*000-W) W.L. combination (C*010-W) F.R. combination (C*020-W) F.M.R. combination (C*030-W) W.M. combination (C*040-W) R.M. combination (C*050-W) F.M. combination (C*060-W) F.F.M. combination (C*070-W) | 21 29 35 41 47 53 59 65 |
| | |
| Filter regulator | |
| Filter•regulator (W*000-W) Reverse filter•regulator | 69 77 |
| Air filter | |
| Air filter (F*000-W) | 85 |
| Oil mist filter (M*000-W) | 95 |
| High performance oil mist filter (MX*000-W) Air filter for medium pressure type (FM*000-W) | 103 159 |
| Oil mist filter for medium pressure type (MM*000-V) | |
| Regulator | , |
| Regulator (R*000-W) | 113 |
| Reverse regulator (R*100-W) | 121 |
| Regulator for medium pressure (RM*000-W) | 171 |
| Lubricator | |
| Lubricator (L*000-W) | 129 |
| Mechanical pressure switch | |
| Mechanical pressure switch (P4000-W) Reed switch type compact mechanical pressure switch (P-100- | 137 W) 139 |
| Shut-off valve | |
| Shut-off valve (V1000-W·V3000-W) Shut-off valve with key hole (V3010-W) | 143 146 |
| Slow start valve | |
| ● Slow start valve (V3301-W·V3321-W) | 149 |
| Bracket, joiner (B, J) | 152 |
| Distributor (D*01-00-W) Piping adaptor (A***-W) | 153 155 |
| | |

CKD



F.R.L. combination standard white series C1000/C2000/C2500-W C3000/C4000/C6500/C8000-W Series

Space-saving with integrated filter, regulator, and lubricator

Port size: 1/8 to 1





Specifications

| Desc | riptions | C1000-W | C2000-W | C2500-W | C3000-W | C4000-W | C6500-W | C8000-W | |
|--------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|-----------------------------------|-----------------------------------|--|
| Exterior | | | | | | | | | |
| | Air filter | F1000-W | F2000-W | F3000-W | F3000-W | F4000-W | F6000-W | F8000-W | |
| Components | Regulator | R1000-W | R2000-W | R2000-W | R3000-W | R4000-W | R6000-W | R8000-W | |
| | Lubricator | L1000-W | L3000-W | L3000-W | L3000-W | L4000-W | L8000-W | L8000-W | |
| Working flu | uid | Compressed air | | | | | | | |
| Max. working | g pressure MPa | 1 | | | | | | | |
| Withstanding | g pressure MPa | 1.5 | | | | | | | |
| Ambient tempe | erature range °C | 5 to 60 | | | | | | | |
| Filtration ra | ating µm | 5 | | | | | | | |
| Set pressure | e range MPa | 0.05 to 0.85 Note 5 0.05 to 0.85 | | | | | | | |
| Minimum drip flow | (Note 1) m ³ /min (ANR) | 0.015 | 0.03 | 0.03 | 0.03 | 0.065 | 0.065 | 0.065 | |
| Relief | | | With relief mechanism | | | | | | |
| Oil capacit | ty cm ³ | 20 | 85 | 85 | 85 | 170 | 170 | 170 (MAX360) | |
| Drain capa | acity cm ³ | 12 | 25 | 45 | 45 | 80 | 80 | 80 (Note 2) | |
| Applicable oil | | | Turk | oine oil Class 1 IS | SO VG32 (spindle | e oil can not be u | sed) | | |
| Port size | Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | |
| Product we | eight kg | 0.4 | 1.01 | 1.01 | 1.15 | 1.79 | 3.64 | 4.5 | |
| Proded as standard | | | | Pressure | gauge, bracket, b | owl guard | | | |

Note 1: The minimum drip flow is that five drops of turbine oil drip per minute at the set pressure of 0.5 MPa.

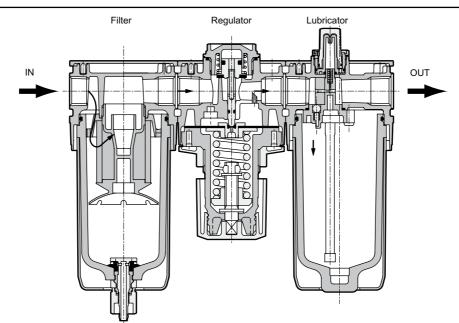
Note 2: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 3: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa. Note 4: The automatic drains minimum operating pressure for "F1" or "FF1" with an automatic drain is 0.15 MPa.

Note 5: When using C1000-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa.

Refer to the maximum working flow table (page 85) for F1000-W-F1 with an automatic drain for details on maximum working flow. Set the working flow to less than the maximum working flow. Note 6: When element option "Y" is selected, refer to the maximum working flow table (page 87) for maximum flow. Set the working flow to less than the maximum working flow. Note 7: C2000-W Series with an automatic drain "F1" must be used below maximum flow rate. (Refer to page 85 F2000-W for weight.)

Internal structure



How to order

F.R.L. Combination

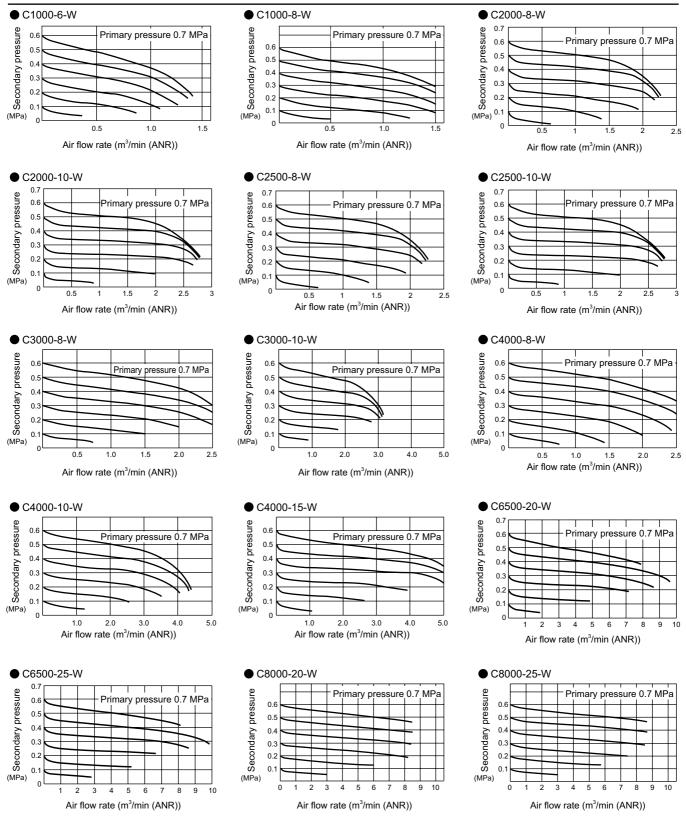
How to order

| Refer to | p page 9 for an | explana | tion of the options. | | 84.0 | | | N | -1- 4 |
|---|-------------------------------------|----------------------------|---|-------------|--------------|-------------|---------------|--------|--------------|
| (C1000)-(6)()-W-(C)-(UDSV)-()-(A(| 6W)))(W | | | A C 1 | M0 C 2 | C 2 | no. C 3 | С | ote 1 C C |
| | | | | 1 0 0 | 0 | 2 5 0 | 0 | 0 | 6 8 5 0 |
| | | Symbo | | ŏ | 0 0 | ŏ | 0 0 | 0 0 | 0 0 0 0 |
| Model no. | | B Poi 6 | 1/8 | | | | | | |
| Note 2 | | 8 | 1/4 | \bullet | \bullet | \bullet | • | • | |
| | | 10 15 | 3/8 1/2 | | • | • | - | • | |
| | | 20 | 3/4 | | | | | Attent | • • |
| | | 25 | 1 | | | | | | • • |
| Port thread type | | _ | rt thread type | | | | | Ν | lote 2 |
| | | Blank N | Rc thread NPT thread | • | • | | | - | |
| | | G | G thread | • | • | • | • | • | •• |
| | | Ор | tion | | | | | N | lote 3 |
| Option | | 2 E | k Filter with manual drain cock, lubricator without manual drain cock | • | • | • | • | • | • • |
| | | | Lubricator with manual cock Filter with automatic drain (N0 type: exhaust without pressurization) | • | • | - | | - | |
| | | Drain discharge H H H | | • | • | • | • | • | • • |
| | | ië FF | | | | | | | |
| | | E Blan | | | | | | | |
| | | material R R | | • | • | • | • | - | |
| | | ĭ ₩ M | | | | • | • | • | • • |
| | | M Bowl | | | • | • | • | • | |
| | | Element A | - | • | | | | | |
| | | Blan | · · · · · · · · · · · · · · · · · · · | • | • | • | • | • | •• |
| Assembly attachment | | P and a determinant | | | | | | | • • |
| | | Pressure range range | k 0.05 to 0.85MPa 0.05 to 0.35MPa Note 7 | • | • | • | | • | |
| | | ja JaBlan | | • | • | • | • | • | |
| Displayed unit | | Relief z Blau | Non-relief type | • | ullet | ullet | \bullet | • | • • |
| | | ang Blan | | • | • | • | • | • | \bullet |
| | | Pressure gauge BL A | Without pressure gauge (gauge port (Rc1/4) assembled sealed) Pressure gauge attachable (gauge port (Rc1/4) assembled open) | - | | | | - | |
| 🕒 Pipir | ng adaptor | | | • | • | • | • | • | •• |
| set (| included) | E Se X1 | Reverse flow (right to left) | • | \bullet | \bullet | • | • | • • |
| A Cautions for model No. selection | | E As: Blank | sembly attachment Page | s 1 | 37 t | io 1 | 48, | 153 | , 154 |
| | | U | Without assembly attachment With assembly attachment Note 8 | • | • | • | • | - | |
| Note 1: Piping adaptor A400-20*-W is assembled on both ends of C4000-20*-W. Piping adaptor set "A20*W" does not | | | Distributor (D101-W, D401-W, D801-W) | \bullet | \bullet | \bullet | \bullet | • | • • |
| need to be specified. | | ssembled | Pressure switch (P1100-W, 4100-W, 8100-W) | • | • | • | • | • | • • |
| Note 2: G threads and NPT threads are available for IN, OUT, | | Rem Sem | Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) | • | - | - | - | - | |
| gauge port and drain discharge port (metal bowl with automatic drain). Attachment P, V will be subject to this | | A K | | | • | \bullet | | • | • • |
| as well. | | 🕞 Dis | played unit | | | | | | |
| Note 3: Select options for each drainage discharge, bowl material, element, differential pressure detection, and | | Blank | MPa display, Rc thread | • | • | • | • | • | |
| regulator items. When selecting options for several | | J1 | MPa display, NPT, G thread | | 15 | | - 15 | 7.01 | ote 9 |
| items, list options in order from the top. | | Blank | ing adaptor set (included) Pa Not attached | iges • | \bullet | | | | |
| Note 4: Refer to page 12 for working conditions of the automatic drain. | | A6*W | 1/8 piping adaptor set | • | | | | | |
| Note 5: Have a choice drain discharge option "C" or "F" and | | A8*W | 1/4 piping adaptor set | • | • | • | | • | |
| "F1" for option "M1". | | A10*W A15*W | | | • | • | | • | |
| Note 6: Refer to page 87 for max. flow rate of option "Y". Note 7: Pressure gauge display range will be 0 to 0.4 MPa for | | A20*W | | | - | _ | | - 1 | • • |
| option "L". | | A25*W | | | | | | | • • |
| Note 8: Mounting location for assembly attachments | | A32*W | 1 1/4 piping adaptor set tor thread type | | | | | | • • |
| Symbol Attachment mounting position Applicable model | | Blank | | | • | • | • | • | • • |
| D F+ (D) +R+L C1000-W to C8000-W | | Ν | NPT thread | • | \bullet | \bullet | | • | • • |
| S or F+R+ (S, P) +L C1000-W to C8000-W ("P" excludes 1000, 6000, | | G | G thread | • | • | • | • | • | • • |
| P 8000 Series) | Attachment | H Att Blank | achment Not attached | | | | | | • • |
| V C1000-W to C8000-W | | PW | Pressure switch (P4000-W) +joiner set | | • | • | • | • | |
| or K F+R+L+ (V, K) ("V" excludes 6000, 8000 Series. "K" excludes 1000 Series) | | vw | Shut-off valve (V1000-W, V3000-W) +joiner set | \bullet | \bullet | \bullet | \bullet | • | |
| Note) Indicate "U" + "D", "S", "P", "V", and "K" when selecting | Pressure gauge | | essure gauge option (attached) | | No | ote | 10 p | bage | ə 198 |
| an assembly attachment. | Pressure gauge option (attached) | Blank | Not attached | • | | • | | • | \bullet |
| Use custom combinations specifications for any other | option (attaonou) | G45P G49P | G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) | • | • | • | • | - | •• |
| combination. Note 9: A joiner set is attached with the piping adapter set. | | G59P | G59D-8-P10 (L: G59D-8-P04) | • | | • | | • | • • |
| Note 10: If NPT is selected for the "C" piping thread type, a | | G40P | G40D-8-P10 (L: G40D-8-P04) | • | \bullet | • | • | • | •• |
| NPT pressure gauge is enclosed. If Rc or G thread is selected, an R thread pressure gauge is enclosed | | G50P G41P | G50D-8-P10 (L: G50D-8-P04) G41D-8-P10 (L: G41D-8-P04) | • | • | • | • | • | •• |
| selected, an R thread pressure gauge is enclosed. | | G52P | G52D-8-P10 (L: G52D-8-P10) | • | • | • | - | - | •• |

22

CKD

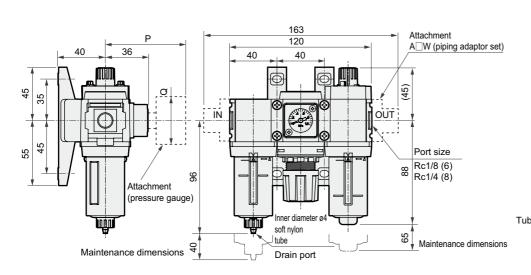
Flow characteristics



MEMO

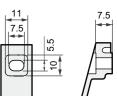
Dimensions CAD

• C1000-W



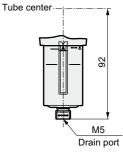
Option dimensions with pressure gauge attached

| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (74) | ø39 |
| G49P | (73.5) | ø43.5 |
| G59P | (76) | ø52 |
| G40P | (75.5) | ø42.5 |
| G50P | (75.5) | ø52.5 |
| G41P | (74) | ø42 |
| G52P | (86) | ø52.5 |

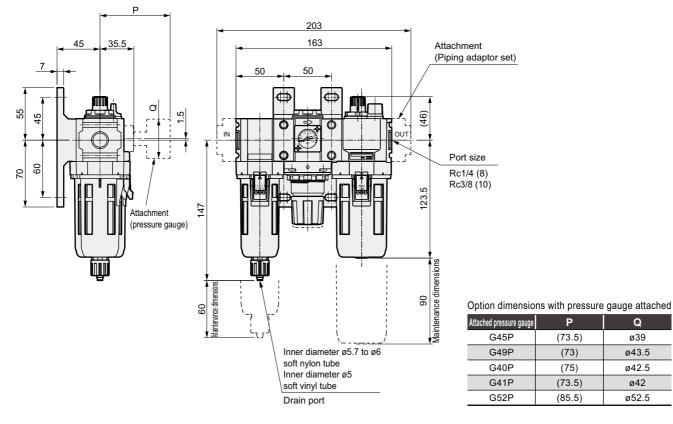


Drawing of bracket section

Option dimensions
 With automatic drain (F1)



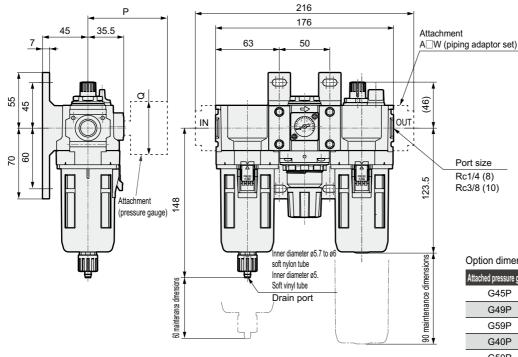
• C2000-W

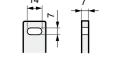


Dimensions

• C2500-W

Dimensions CAD

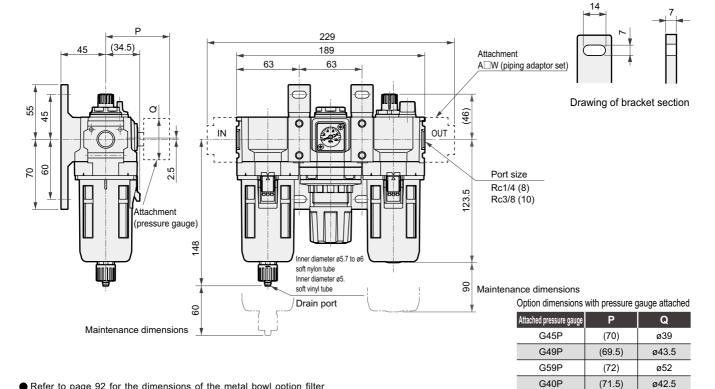




Drawing of bracket section

| Option dimensions with pressure gauge attached | | | | | | | |
|--|--------|-------|--|--|--|--|--|
| Attached pressure gauge | Р | Q | | | | | |
| G45P | (73.5) | ø39 | | | | | |
| G49P | (73) | ø43.5 | | | | | |
| G59P | (75.5) | ø52 | | | | | |
| G40P | (75) | ø42.5 | | | | | |
| G50P | (75) | ø52.5 | | | | | |
| G41P | (73.5) | ø42 | | | | | |
| G52P | (85.5) | ø52.5 | | | | | |

• C3000-W



 Refer to page 92 for the dimensions of the metal bowl option filter section and page 135 for the lubricator section.

(71.5)

(70)

(82)

ø52.5

ø42

ø52.5

26

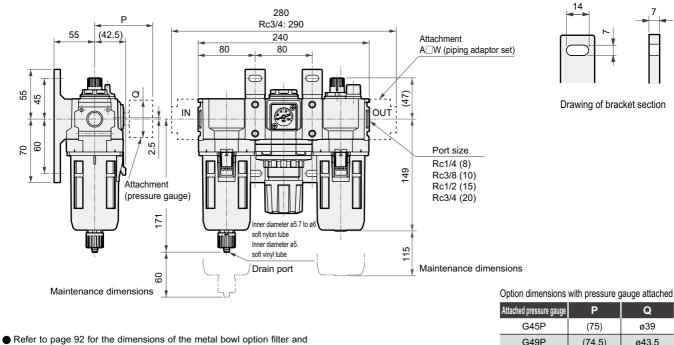
G50P

G41P

G52P

Dimensions CAD

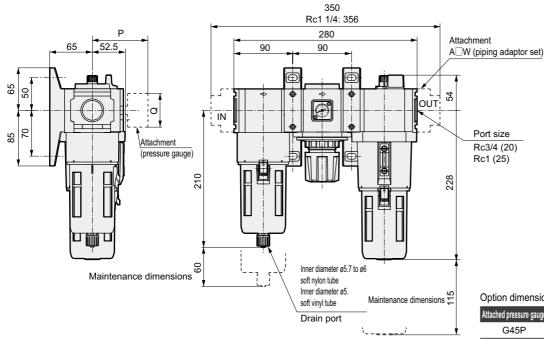
• C4000-W

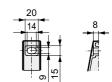


page 135 for the lubricator.

| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (75) | ø39 |
| G49P | (74.5) | ø43.5 |
| G59P | (77) | ø52 |
| G40P | (76.5) | ø42.5 |
| G50P | (76.5) | ø52.5 |
| G41P | (75) | ø42 |
| G52P | (86) | ø52.5 |
| | | |

• C6500-W



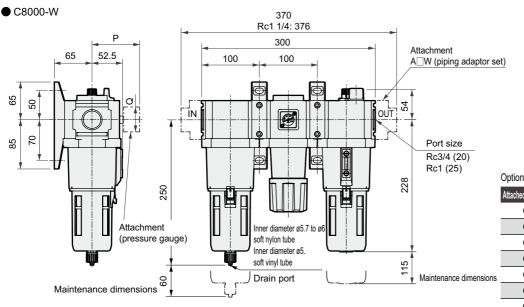


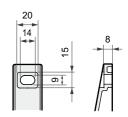
Drawing of bracket section

Option dimensions with pressure gauge attached

| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (80) | ø39 |
| G49P | (79.5) | ø43.5 |
| G59P | (82) | ø52 |
| G40P | (81.5) | ø42.5 |
| G50P | (81.5) | ø52.5 |
| G41P | (80) | ø42 |
| G52P | (93) | ø52.5 |

Dimensions with options





Drawing of bracket section

Option dimensions with pressure gauge attached

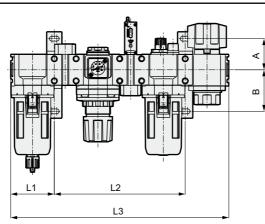
| | Attached pressure gauge | Р | Q |
|---|-------------------------|--------|-------|
| | G45P | (85) | ø39 |
| | G49P | (84.5) | ø43.5 |
| | G59P | (87) | ø52 |
| | G40P | (86.5) | ø42.5 |
| 5 | G50P | (86.5) | ø52.5 |
| | G41P | (85) | ø42 |
| | G52P | (98) | ø52.5 |

 Refer to page 92 for the dimensions of the metal bowl option filter and page 135 for the lubricator.

Dimensions with options

• C1000-W to C8000-W

Dimensions CAD



| Model no. | Α | В |
|-----------|----|----|
| C1000-W | 35 | 45 |
| C2000-W | | |
| C2500-W | 45 | 60 |
| C3000-W | | 60 |
| C4000-W | | |
| C6050-W | 50 | 70 |
| C8000-W | 50 | 70 |

| Assembled options | _ | D | | _ | S | | | Р | | _ | v | | | к | | _ | DS | | _ | DP | | _ | DV | | _ | DK | |
|-------------------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| Model no. | L1 | L2 | L3 |
| C1000-W | 40 | 68 | 148 | 40 | 68 | 148 | - | - | - | 40 | 80 | 160 | - | - | - | 40 | 96 | 176 | - | - | - | 40 | 108 | 188 | - | - | - |
| C2000-W | 50 | 81.5 | 194.5 | 50 | 81.5 | 194.5 | 50 | 130 | 243 | 50 | 113 | 226 | 50 | 113 | 226 | 50 | 113 | 226 | 50 | 161.5 | 274.5 | 50 | 144.5 | 257.5 | 50 | 144.5 | 257.5 |
| C2500-W | 63 | 81.5 | 207.5 | 63 | 81.5 | 207.5 | 63 | 130 | 256 | 63 | 113 | 239 | 63 | 113 | 239 | 63 | 113 | 239 | 63 | 161.5 | 287.5 | 63 | 144.5 | 270.5 | 63 | 144.5 | 270.5 |
| C3000-W | 63 | 94.5 | 220.5 | 63 | 94.5 | 220.5 | 63 | 143 | 269 | 63 | 126 | 252 | 63 | 126 | 252 | 63 | 126 | 252 | 63 | 174.5 | 300.5 | 63 | 157.5 | 283.5 | 63 | 157.5 | 283.5 |
| C4000-W | 80 | 111.5 | 271.5 | 80 | 111.5 | 271.5 | 80 | 160 | 320 | 80 | 160 | 303 | 80 | 160 | 303 | 80 | 143 | 303 | 80 | 191.5 | 351.5 | 80 | 191.5 | 334.5 | 80 | 191.5 | 334.5 |
| C4000-20-W Note 1 | 100 | 111.5 | 311.5 | 100 | 111.5 | 311.5 | 100 | 160 | 360 | 100 | 160 | 343 | 100 | 160 | 343 | 100 | 143 | 343 | 100 | 191.5 | 391.5 | 100 | 191.5 | 374.5 | 100 | 191.5 | 374.5 |
| C6500-W | 90 | 140 | 330 | 90 | 140 | 330 | - | - | - | - | - | - | 90 | 190 | 370 | 90 | 190 | 380 | - | - | - | - | - | - | 90 | 240 | 420 |
| C8000-W | 100 | 150 | 350 | 100 | 150 | 350 | - | - | - | - | - | - | 100 | 200 | 390 | 100 | 200 | 400 | - | - | - | - | - | - | 100 | 250 | 440 |
| Assembled options | | DSV | ' | | DSK | | | DPV | | | DPK | | | SV | | | SK | | | P۷ | | | ΡK | | | | |
| Model no. | L1 | L2 | L3 | | | |
| C1000-W | 40 | 136 | 216 | - | - | - | - | - | - | - | - | - | 40 | 100 | 188 | - | - | - | - | - | - | - | - | - | | | |
| C2000-W | 50 | 176 | 289 | 50 | 176 | 289 | 50 | 224.5 | 337.5 | 50 | 224.5 | 337.5 | 50 | 144.5 | 257.5 | 50 | 144.5 | 257.5 | 50 | 193 | 306 | 50 | 193 | 306 | | | |
| C2500-W | 63 | 176 | 302 | 63 | 176 | 302 | 63 | 224.5 | 350.5 | 63 | 224.5 | 350.5 | 63 | 144.5 | 270.5 | 63 | 144.5 | 270.5 | 63 | 193 | 319 | 63 | 193 | 319 | | | |
| C3000-W | 63 | 189 | 315 | 63 | 189 | 315 | 63 | 237.5 | 363.5 | 63 | 237.5 | 363.5 | 63 | 157.5 | 283.5 | 63 | 157.5 | 283.5 | 63 | 206 | 332 | 63 | 206 | 332 | | | |
| C4000-W | 80 | 223 | 366 | 80 | 223 | 366 | 80 | 271.5 | 414.5 | 80 | 271.5 | 414.5 | 80 | 191.5 | 334.5 | 80 | 191.5 | 334.5 | 80 | 240 | 383 | 80 | 240 | 383 | | | |
| C4000-20-W Note 1 | 100 | 223 | 406 | 100 | 223 | 406 | 100 | 271.5 | 454.5 | 100 | 271.5 | 454.5 | 100 | 191.5 | 374.5 | 100 | 191.5 | 374.5 | 100 | 240 | 423 | 100 | 240 | 423 | | | |
| C6500-W | - | - | - | 90 | 290 | 470 | - | - | - | - | - | - | - | - | - | 90 | 240 | 420 | - | - | - | - | - | - | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

*Refer to the general catalog for the detailed dimentions of the mounting hole of the bracket. Note 1. The piping adapter is assembled on the OUT side.

Piping adaptor A400-20-W is assembled on both ends of C4000-20-W.



F.R.L. combination standard white series C1010/C2010/C3010/C4010/C8010-W Series

Integrated filter, regulator and lubricator. Port size: 1/8 to 1





Specifications

| Specifications | | | | | | | | | |
|--|-----------------------------------|-------------------------------------|-----------------------------------|--|-----------------------------------|--|--|--|--|
| Descriptions | C1010-W | C2010-W | C3010-W | C4010-W | C8010-W | | | | |
| Exterior | | | | | | | | | |
| Components Filter • regulator | W1000-W | W2000-W | W3000-W | W4000-W | W8000-W | | | | |
| Lubricator | L1000-W | L3000-W | L3000-W | L4000-W | L8000-W | | | | |
| Working fluid | | | Compressed air | | | | | | |
| Max. working pressure MPa | | | 1 | | | | | | |
| Withstanding pressure MPa | | | 1.5 | | | | | | |
| Ambient temperature range °C | | | 5 to 60 | | | | | | |
| Filtration rating µm | | | 5 | | | | | | |
| Set pressure range MPa | . , | | 0.05 t | o 0.85 | | | | | |
| Minimum drip flow (Note 1) m ³ /min (ANR) | 0.015 | 0.03 | 0.03 | 0.065 | 0.065 | | | | |
| Relief | | | With relief mechanism | | | | | | |
| Oil capacity cm ³ | 20 | 85 | 85 | 170 | 170 (MAX360) | | | | |
| Drain capacity cm ³ | 12 | 25 | 45 | 80 | 80 Note 2 | | | | |
| Applicable oil | | Turbine oil Class | s 1 ISO VG32 (spindle o | oil not permitted) | | | | | |
| Port size Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | | | |
| Product weight kg | 0.31 | 0.77 | 0.97 | 1.45 | 3.57 | | | | |
| Standard accessories | | Pressure gauge, bracket, bowl guard | | | | | | | |

Note 1: The minimum drip flow is that five drops of turbine oil drip per minute at the set pressure of 0.5 MPa.

Note 2: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 3: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 4: The automatic drain's minimum operating pressure for "F1" or "FF1" with an automatic drain is 0.15 MPa.

Note 5: When using C1010-W Series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum working flow table (page 85) for F1000-W-F1 with an automatic drain for details on maximum working flow. Set the working flow below the maximum working flow.

Note 6: When element option "Y" is selected, refer to the maximum working flow table (page 87) for maximum flow. Set the working flow to less than the maximum working flow.

Note 7: C2010-W Series with an automatic drain "F1" must be used below maximum flow rate. (Refer to page 85 F2000-W for weight.)

29

CKD

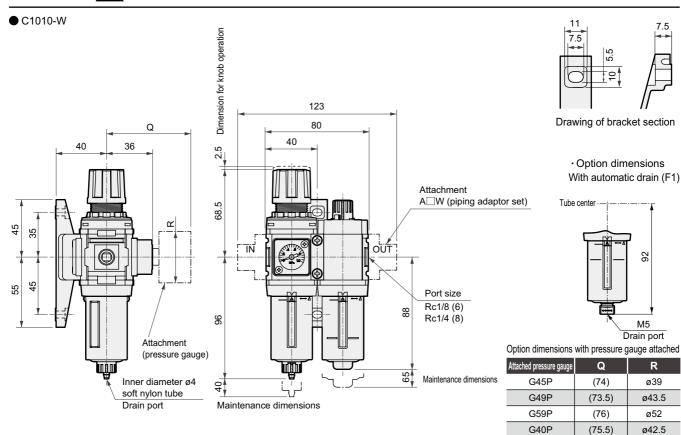
W.L. Combination

How to order

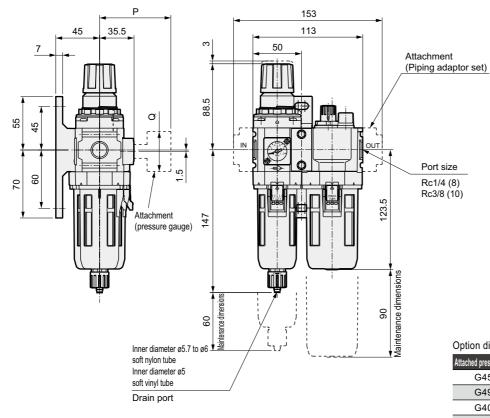
| | er | | | * Re | fer top page 9 for an explanation | | | ode | |
|--|---|--|--|---|---|---|---|---|---|
| <u> 21010)-(6</u> | 3)W-(C)-(U | | |) of | the options. | C | C 2 0 1 | C 3 0 | C 4 |
| | | G Piping adap | otor set | - H Press | sure gauge option (attached) | 0 | 0 | 0 | 0 |
| | | (included) | | nbol | Descriptions | 6 | o | 1 0 | 1 0 |
| Madalina | | | B Por | | Descriptions | | | | |
| Model no. | Port size | | _ | 3 | 1/8 | | | | |
| | | | | 3 | 1/4 | • | • | • | • |
| | | | | 0 | 3/8 | - | • | • | • |
| | | | 1 | 5 | 1/2 | | | | • |
| | | | | 0 | 3/4 | | | | Note |
| | | | | 5 | 1 | | | | - |
| | | | | t thread | | | | | No |
| | C Port thread type | | | t thread ank | Rc thread | | | | NO |
| | - | | | N | NPT thread | | | | |
| | | | | 3 | G thread | | | - | |
| | | | | - | o thead | | - | | |
| | D Optio | n | D Opt | | | | - | - | No |
| | - child | | | Blank | Filter with manual drain cock, lubricator without manual drain cock | | • | | • |
| | | | | C | Lubricator with manual cock | | • | | • |
| | | | Drainage | F | Filter with automatic drain (NO type: exhaust without pressurization) | _ | - | | • |
| | | | | F1 | Filter with automatic drain (NC type: exhaust with pressurization) | | | | • |
| | | | Note 4 | FF | Filter with automatic large automatic drain (NO type: exhaust without pressurized) | | | | |
| | | | <u> </u> | FF1 | Filter with automatic large drain (NC type: no exhaust without pressurization) | | | | |
| | | | | Blank | Polycarbonate bowl | • | • | \bullet | • |
| | | | Bowl | Z | Nylon bowl | • | • | \bullet | • |
| | | | material | м | Metal bowl | | | | • |
| | | | | M1 | Metal bowl with manual drain cock Note 5 | | • | \bullet | • |
| | | | Element | Blank | 5µm | • | • | \bullet | • |
| | | | | Y | 0.3µm (submicron) Note 6 | | | \bullet | • |
| | | | Pressure | Blank | 0.05 to 0.85MPa | | • | • | • |
| | | | Range | L | 0.05 to 0.35MPa Note 7 | | • | \bullet | • |
| | | | Relief | Blank | With relief mechanism | | • | \bullet | • |
| | | | | N | Non-relief type | • | ٠ | • | • |
| | | | Pressure | Blank | Standard pressure gauge (G401-W) | | ٠ | \bullet | • |
| | | | | т | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | | • | \bullet | • |
| | | | gauge | Т8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | \bullet | \bullet | \bullet | \bullet |
| | | | 1 | D 1.1 | | | | | |
| | | | Flow | Blank | Standard flow (left to right) | | • | | • |
| | | | Direction | X1 | Standard flow (left to right) Reverse flow (right to left) | • | • | • | • |
| | | | Direction | X1 | | ● ● 37 to | ● ● 0 <u>14</u> | ● ● 8, <u>1</u> 5 | • • 53, |
| | | Assembly attachment | Direction E Ass | X1 | Reverse flow (right to left) | ● ● 37 to | • • •14 | ● ● 8, 15 | • • 53, |
| | | | Direction | X1 embly a | Reverse flow (right to left) attachment Page 1 | • | • • • • | • • 8, 15 • | • 53, • |
| | | Displayed unit | Direction Black | X1 embly a ank | Reverse flow (right to left) attachment Page 1 Without assembly attachment | • | • • • • • • • • • | • 8, 1: • | • • • • • |
| Caution | | Displayed unit | Direction Black | X1 embly a ank J | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 | • | • | • | • |
| Caution | s for model No. s | Displayed unit | Direction Black | X1 embly a ank J S | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) | • | • | • | • |
| e 1: Piping ada | s for model No. s | Displayed unit election | Direction E Ass Bla | X1 embly a ank J S P | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) | | • | • | • |
| e 1: Piping ada C4010-20*- | s for model No. s | Displayed unit election | Direction C Ass Bla U performed Bla U D D D D D D D D D D D D D | X1 embly a ank J S P V K | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | | • • • • | • • • • | • • • • |
| e 1: Piping ada C4010-20*- selected. | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V | Displayed unit election bled on both ends of V" does not need to be | Direction C Ass Bla Direction C Directi | X1 embly a ank J S P V K | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P1100-W, 4100-W) Shut-off valve (V1000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | | • • • • | • • • • | • • • • |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab | Displayed unit Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge | Direction C Ass Bla Direction C Directi | X1 embly a ank J S P V K olayed u | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P1100-W, 4100-W, 8100-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Init MPa display, Rc thread | | • • • • | • • • • | • • • • |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow | Displayed unit Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge I with automatic drain). | Direction Ass Bla Bla Bla SS Bla Bla J | X1 embly a ank J S P V K blayed u ank 1 | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread | | | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as | Displayed unit Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge I with automatic drain). well. | Direction C Ass Bla Direction Bla Bla Bla G Pipi | X1 embly a ank J S P V K olayed u ank 1 ng adap | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W) 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread Page | • /ul> | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow | Displayed unit Displayed unit election bled on both ends of V" does not need to be ble for IN, OUT, gauge I with automatic drain). well. aterial, element, and | Direction C Ass Bla U Page SSV F Dis Bla J G Pipi Bla | X1 embly a ank J S P V K olayed u ank 1 ng adap ank | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread otor set (included) Page Not attached Page | • •< | | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator so | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m | Displayed unit Displayed unit election bled on both ends of V" does not need to be ble for IN, OUT, gauge I with automatic drain). well. aterial, element, and | Direction Ass Bla U Page Se V P Dis Bla J C Pipi Bla A6 | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread Mot attached 1/8 piping adaptor set | • /ul> | • /ul> | | • /ul> |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator s list options e 4: Refer to pa | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m ections. When selecting opti in order from the top. uge 12 for working conditions of | Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge I with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. | Direction C Ass Bla U Page Sev F Dis Bla J C Pipi Bla A6 A8 | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Image: the second | • •< | • /ul> | | • /ul> |
| a 1: Piping ada C4010-20*- selected. b 2: G threads a port and dra Attachment b 3: Select opt regulator sulist options c 4: Refer to paie c Have a choose | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availat ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m tections. When selecting opti in order from the top. age 12 for working conditions of oice drain discharge option " | Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge I with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. | Direction C Ass Bla U Page SS V P Dis Bla SS V C Pipi Bla A6 A8 A10 | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W *W | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread MPa display, NPT, G thread Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set | • •< | • /ul> | • •< | • /ul> |
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| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator so list options e 4: Refer to pa e 5: Have a cho option "M1" e 6: Refer to pa | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m ections. When selecting opti in order from the top. ge 12 for working conditions o ioice drain discharge option " ". ge 87 for max. flow rate of op | Displayed unit Displayed unit election bled on both ends of " does not need to be le for IN, OUT, gauge I with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". | Direction | X1 embly a ank J S V V K olayed u ank 1 mg adap ank *W *W 5*W 5*W | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, NPT, G thread MPa display, NPT, G thread Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set | • •< | • /ul> | • •< | • /ul> |
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| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator s list options e 4: Refer to paie e 5: Have a cho option "M1" e 6: Refer to paie e 7: Pressure g "L". e 8: Mounting Ic | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m sections. When selecting opti in order from the top. uge 12 for working conditions of oice drain discharge option " ". gge 87 for max. flow rate of op lauge display range will be 0 ocation for assembly attachment Installation position of Attachment W+ (S, P) +1 | Displayed unit Displayed unit election bled on both ends of V" does not need to be le for IN, OUT, gauge I with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents | Direction | X1 embly a ank J S V K olayed u ank 1 mg adag ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W) B100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread Dotor set (included) Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 /1/2 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 1 NPT thread | • •< | • /ul> | • •< | |
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| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator s list options e 4: Refer to pa e 5: Have a chr option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting Ic S or P | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m ections. When selecting opti in order from the top. uge 12 for working conditions of oice drain discharge option " ". gge 87 for max. flow rate of op lauge display range will be 0 occation for assembly attachment Installation position of Attachment // W+ (S, P) +L | Displayed unit election bled on both ends of v" does not need to be de for IN, OUT, gauge l with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Applicable model Dido-W to C8010-W "excludes 8000 Series) | Direction | X1 embly a ank J S V K olayed u ank 1 mg adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W) B100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread Dotor set (included) Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 /1/2 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 1 NPT thread | | • /ul> | • •< | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator s list options e 4: Refer to pa e 5: Have a chr option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting Ic S or P | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are available ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m tections. When selecting opti in order from the top. tige 12 for working conditions of oice drain discharge option " ". tige 87 for max. flow rate of op tauge display range will be 0 cocation for assembly attachment Installation position of Attachment W+ (S, P) +L C W+L+ (V, K) | Displayed unit Displayed unit election bled on both ends of v" does not need to be velle for IN, OUT, gauge l with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Applicable model 1010-W to C8010-W "excludes 8000 Series) 1010-W to C8010-W | Direction | X1 embly a ank J S V K olayed u ank 1 mg adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left) attachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P100-W, 4100-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3010-W, V6010-W) Imit MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread otor set (included) Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set A type Rc thread NPT thread G thread | | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator s list options e 4: Refer to pa e 5: Have a chr option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting Ic S or P V or K | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are available ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m tections. When selecting opti in order from the top. tige 12 for working conditions of oice drain discharge option " ". tige 87 for max. flow rate of op tauge display range will be 0 cocation for assembly attachment Installation position of Attachment W+ (S, P) +L C W+L+ (V, K) | Displayed unit Election Displayed unit election bled on both ends of v" does not need to be ve for IN, OUT, gauge with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Applicable model 1010-W to C8010-W "excludes 8000 Series) 1010-W to C8010-W "excludes 8000 Series."K" cludes 1000 Series) | Direction | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left) Ittachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Init MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread otor set (included) Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 6 thread MPT thread G thread | | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads : port and dra Attachment e 3: Select opt regulator so list options e 4: Refer to pa e 5: Have a cho option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting lo S or P V or K V or K | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20"V and NPT threads are availat ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m sections. When selecting opti in order from the top. Ige 12 for working conditions of oice drain discharge option " ". Ige 87 for max. flow rate of op lauge display range will be 0 bocation for assembly attachment W+ (S, P) +L C W+L+ (V, K) J" + "D", "S", "P", "V", and " attachment. | Displayed unit Displayed unit election bled on both ends of '' does not need to be verify does not need to be le for IN, OUT, gauge with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C' or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Pplicable model 1010-W to C8010-W "excludes 8000 Series) 1010-W to C8010-W "excludes 8000 Series."K" cludes 1000 Series) K'' when selecting an | Direction | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left) Ittachment Page 1 Without assembly attachment Assembly attachment type Note 8 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Init MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread otor set (included) Page Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 6 thread MPT thread G thread auge option (attached) Not attached | | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads : port and dra Attachment e 3: Select opt regulator so list options e 4: Refer to pai e 5: Have a cho option "M1" e 6: Refer to pai e 7: Pressure g "L". e 8: Mounting lo S or P V or K V or K U ote: Indicate "U assembly a Use custo | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20"V and NPT threads are available ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m sections. When selecting opti in order from the top. Ige 12 for working conditions of oice drain discharge option " ". Ige 87 for max. flow rate of op lauge display range will be 0 becation for assembly attachment W+ (S, P) +L C W+L+ (V, K) C W+L+ (V, K) C W + TD", "S", "P", "V", and " attachment. om combinations specific. | Displayed unit Displayed unit election bled on both ends of '' does not need to be verify does not need to be le for IN, OUT, gauge with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C' or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Pplicable model 1010-W to C8010-W "excludes 8000 Series) 1010-W to C8010-W "excludes 8000 Series."K" cludes 1000 Series) K'' when selecting an | Direction | X1 embly a ank J S P V K olayed L ank 1 ng ada; ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left)IttachmentPage 1Without assembly attachmentAssembly attachment typeNote 8Pressure switch (P1100-W, 4100-W, 8100-W)Pressure switch (P4000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve with key hole (V3010-W, V6010-W)InitMPa display, Rc threadMPa display, Rc threadMPa display, NPT, G threadotor set (included)PageNot attached1/4 piping adaptor set3/8 piping adaptor set1/2 piping adaptor set3/4 piping adaptor set1 1/4 piping adaptor set1 1/4 piping adaptor setat typeRc threadNPT threadG threadauge option (attached)Not attachedG45D-8-P10 (L: G45D-8-P04) | | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator so list options e 4: Refer to pa e 5: Have a cho option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting lo S or P V or K V or K Use custo combination | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20"V and NPT threads are available ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m sections. When selecting opti in order from the top. Ige 12 for working conditions of oice drain discharge option " ". Ige 87 for max. flow rate of op lauge display range will be 0 be cation for assembly attachment W+ (S, P) +L C W+L+ (V, K) C W+L+ (V, K) | Displayed unit Displayed unit election bled on both ends of '' does not need to be verify does | Direction | X1 embly a ank J S P V K olayed u ank 1 ng ada; ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | Reverse flow (right to left)IttachmentPage 1Without assembly attachmentAssembly attachment typeNote 8Pressure switch (P1100-W, 4100-W, 8100-W)Pressure switch (P4000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve with key hole (V3010-W, V6010-W)InitMPa display, Rc threadMPa display, Rc threadMPa display, NPT, G threadotor set (included)PageNot attached1/8 piping adaptor set1/4 piping adaptor set3/8 piping adaptor set1/2 piping adaptor set1 piping adaptor set1 1/4 piping adaptor setat typeRc threadNPT threadG threadauge option (attached)Not attachedG49D-8-P10 (L: G45D-8-P04)G59D-8-P10 (L: G59D-8-P04) | • • | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator sa list options e 4: Refer to pate e 5: Have a chor option "M1" e 6: Refer to pate e 7: Pressure g "L". e 8: Mounting Ic S or P V or K V or K ote: Indicate "U assembly a Use custo combination e 9: A joiner set | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20*V and NPT threads are availab ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m tections. When selecting opti in order from the top. Ige 12 for working conditions of oice drain discharge option " age 87 for max. flow rate of op lauge display range will be 0 be cation for assembly attachment W+ (S, P) +L C W+L+ (V, K) ", "S", "P", "V", and " attachment. om combinations specific. n. | Displayed unit Displayed unit election bled on both ends of V" does not need to be vell, des not need to be vell, out, gauge vell, aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Applicable model 1010-W to C8010-W "excludes 8000 Series." K" when selecting an ations for any other lapter set. | Direction | X1 embly a ank J S P V K olayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 2*W for thre ank 5 S Sure ga ank 5 P | Reverse flow (right to left)attachmentPage 1Without assembly attachmentAssembly attachment typeNote 8Pressure switch (P1100-W, 4100-W, 8100-W)Pressure switch (P4000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve with key hole (V3010-W, V6010-W)InitMPa display, Rc threadMPa display, Rc threadMPa display, NPT, G threadotor set (included)PageNot attached1/8 piping adaptor set1/4 piping adaptor set3/8 piping adaptor set1/2 piping adaptor set3/4 piping adaptor set1 1/4 piping adaptor setat typeRc threadNPT threadG threadauge option (attached)Not attachedG49D-8-P10 (L: G45D-8-P04)G59D-8-P10 (L: G40D-8-P04)G40D-8-P10 (L: G40D-8-P04) | • • | • /ul> | | |
| e 1: Piping ada C4010-20*- selected. e 2: G threads a port and dra Attachment e 3: Select opt regulator sa list options e 4: Refer to pa e 5: Have a chc option "M1" e 6: Refer to pa e 7: Pressure g "L". e 8: Mounting Ic S or P V or K V or K v ote: Indicate "U assembly a Use custo combination e 9: A joiner set e 10: If NPT is | s for model No. s aptor A400-20*-W is assem -W. Piping adaptor set "A20"V and NPT threads are available ain discharge port (metal bow t P, V will be subject to this as tions per drainage, bowl m sections. When selecting opti in order from the top. Ige 12 for working conditions of oice drain discharge option " ". Ige 87 for max. flow rate of op lauge display range will be 0 be cation for assembly attachment W+ (S, P) +L C W+L+ (V, K) C W+L+ (V, K) | Displayed unit Election Displayed unit election bled on both ends of v" does not need to be le for IN, OUT, gauge l with automatic drain). well. aterial, element, and ons for several items, of the automatic drain. C" or "F" and "F1" for tion "Y". to 0.4 MPa for option ents Applicable model 1010-W to C8010-W "excludes 8000 Series) 1010-W to C8010-W " excludes 8000 Series) K" when selecting an ations for any other lapter set. g thread type, a NPT | Direction | X1 embly a ank J S P V K olayed u ank 1 ng ada; ank *W *W *W *W *W *W *W *W *W *W *W *W *W | Reverse flow (right to left)IttachmentPage 1Without assembly attachmentAssembly attachment typeNote 8Pressure switch (P1100-W, 4100-W, 8100-W)Pressure switch (P4000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve with key hole (V3010-W, V6010-W)InitMPa display, Rc threadMPa display, Rc threadMPa display, NPT, G threadotor set (included)PageNot attached1/8 piping adaptor set1/4 piping adaptor set3/8 piping adaptor set1/2 piping adaptor set1 piping adaptor set1 1/4 piping adaptor setat typeRc threadNPT threadG threadauge option (attached)Not attachedG49D-8-P10 (L: G45D-8-P04)G59D-8-P10 (L: G59D-8-P04) | • • | • /ul> | | |

W.L. Combination

Dimensions CAD



• C2010-W



Option dimensions with pressure gauge attached

7.5

R

ø39

ø43.5

ø52

ø42.5

ø52.5

ø42

ø52.5

(75.5)

(74)

(86)

G50P

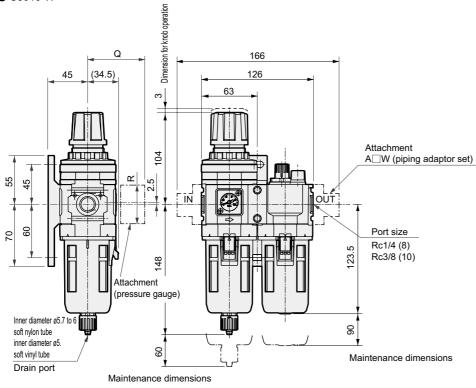
G41P

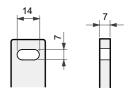
G52P

| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (73.5) | ø39 |
| G49P | (73) | ø43.5 |
| G40P | (75) | ø42.5 |
| G41P | (73.5) | ø42 |
| G52P | (85.5) | ø52.5 |
| | | |

Dimensions







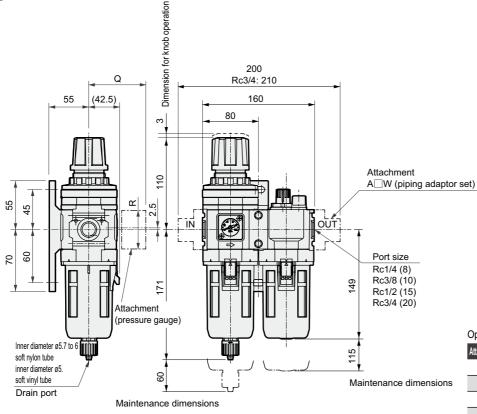
Drawing of bracket section

| Option dimensions with | pressure gauge attached |
|------------------------|-------------------------|
|------------------------|-------------------------|

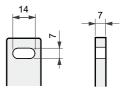
| Attached pressure gauge | Q | R |
|-------------------------|--------|-------|
| G45P | (70) | ø39 |
| G49P | (69.5) | ø43.5 |
| G59P | (72) | ø52 |
| G40P | (71.5) | ø42.5 |
| G50P | (71.5) | ø52.5 |
| G41P | (70) | ø42 |
| G52P | (82) | ø52.5 |
| | | |

 Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 135 for the lubricator.





* Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 135 for the lubricator.



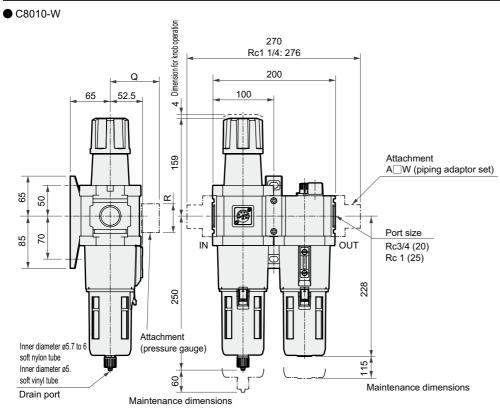
Drawing of bracket section

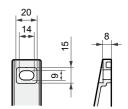
| Option dimensions with pressure gauge attached | | | | | | |
|--|------|-----|--|--|--|--|
| Attached pressure gauge | Q | R | | | | |
| G45P | (75) | ø39 | | | | |

| G45P | (75) | ø39 | | | | |
|------|--------|-------|--|--|--|--|
| G49P | (74.5) | ø43.5 | | | | |
| G59P | (77) | ø52 | | | | |
| G40P | (76.5) | ø42.5 | | | | |
| G50P | (76.5) | ø52.5 | | | | |
| G41P | (75) | ø42 | | | | |
| G52P | (86) | ø52.5 | | | | |
| СКД | | | | | | |

W.L. Combination

Dimensions CAD





Drawing of bracket section

| Option dimensions with pressure gauge attached | | | | | | | |
|--|--------|-------|--|--|--|--|--|
| Attached pressure gauge | Q | R | | | | | |
| G45P | (85) | ø39 | | | | | |
| G49P | (84.5) | ø43.5 | | | | | |
| G59P | (87) | ø52 | | | | | |
| G40P | (86.5) | ø42.5 | | | | | |
| G50P | (86.5) | ø52.5 | | | | | |
| G41P | (85) | ø42 | | | | | |
| G52P | (98) | ø52.5 | | | | | |

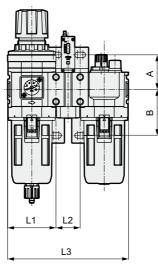
 Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 135 for the lubricator.

W.L. Combination

Dimensions with options

Dimensions with options

• C1010-W to C8010-W



| Model no. | Α | В | | | | |
|-----------|----|----|--|--|--|--|
| C1010-W | 35 | 45 | | | | |
| C2010-W | | | | | | |
| C3010-W | 45 | 60 | | | | |
| C4010-W | | | | | | |
| C8010-W | 50 | 70 | | | | |

| Assembled options S | | S | S | | Р | | V | | K | | SV | | | SK | | | PV | | | PK | | | | |
|---------------------|-----|------|-------|-----|----|-----|-----|----|-----|-----|-----|-----|-----|-------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 |
| C1010-W | 40 | 28 | 108 | - | - | - | 40 | 40 | 120 | - | - | - | 40 | 68 | 148 | - | - | - | - | - | - | - | - | - |
| C2010-W | 50 | 31.5 | 144.5 | 50 | 80 | 193 | 50 | 63 | 176 | 50 | 63 | 176 | 50 | 94.5 | 207.5 | 50 | 94.5 | 207.5 | 50 | 143 | 256 | 50 | 143 | 256 |
| C3010-W | 63 | 31.5 | 157.5 | 63 | 80 | 206 | 63 | 63 | 189 | 63 | 63 | 189 | 63 | 94.5 | 220.5 | 63 | 94.5 | 220.5 | 63 | 143 | 269 | 63 | 143 | 269 |
| C4010-W | 80 | 31.5 | 191.5 | 80 | 80 | 240 | 80 | 80 | 223 | 80 | 80 | 223 | 80 | 111.5 | 271.5 | 80 | 111.5 | 271.5 | 80 | 160 | 303 | 80 | 160 | 303 |
| C4010-20-W Note 1 | 100 | 31.5 | 231.5 | 100 | 80 | 280 | 100 | 80 | 263 | 100 | 80 | 263 | 100 | 111.5 | 294.5 | 100 | 111.5 | 294.5 | 100 | 160 | 343 | 100 | 160 | 343 |
| C8010-W | 100 | 50 | 250 | - | - | - | - | - | - | 100 | 100 | 290 | - | - | - | 100 | 150 | 340 | - | - | - | - | - | - |

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole *Refer to the general catalog for the detailed dimentions of the mounting hole L2: Spacing dimensions of the mounting hole from the first T-type bracket of the bracket.

to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

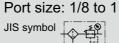
Note 1. The piping adapter is assembled on the OUT side.

Piping adaptor A400-20-W is assembled on both ends of C4010-20-W.



F.R.L. combination standard white series C1020 / C2020 / C2520-W C3020 / C4020 / C6020 / C8020-W Series

Integrated filter and regulator.





Specifications

| • | riptions | C1020-W | C2020-W | C2520-W | C3020-W | C4020-W | C6020-W | C8020-W | | | | | | |
|---------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|-----------------------------------|-----------------------------------|--|--|--|--|--|--|
| Exterior | | | | | | | | | | | | | | |
| Common and a | Filter | F1000-W | F2000-W | F3000-W | F3000-W | F4000-W | F6000-W | F8000-W | | | | | | |
| Components | Regulator | R1000-W | R2000-W | R2000-W | R3000-W | R4000-W | R6000-W | R8000-W | | | | | | |
| Working flu | uid | Compressed air | | | | | | | | | | | | |
| Max. working | g pressure MPa | 1.0 | | | | | | | | | | | | |
| Withstanding | g pressure MPa | 1.5 | | | | | | | | | | | | |
| Ambient tempe | erature range °C | 5 to 60 Note 6 | | | | | | | | | | | | |
| Filtration ra | ating µm | | | | 5 | | | | | | | | | |
| Set pressure | e range MPa | 0.05 to 0.85 Note 2 | 0.05 to 0.85 Note 2 0.05 to 0.85 | | | | | | | | | | | |
| Relief | | | With relief mechanism | | | | | | | | | | | |
| Drain capa | acity cm ³ | 12 | 25 | 45 | 45 | 80 | 80 | 80 (Note 1) | | | | | | |
| Port size | Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | | | | | |
| Product we | eight kg | 0.28 | 0.64 | 0.65 | 0.79 | 1.25 | 2.07 | 2.93 | | | | | | |
| Standard a | accessories | | | Pressure g | gauge, bracket, b | owl guard | | · | | | | | | |

Note 1: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 2: When using C1020-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa.

Refer to the maximum working flow table (page 85) for F1000-F1 with an automatic drain for details on maximum working flow. Set the working flow below the maximum working flow.

Note 3: The automatic drain's minimum operating pressure for "F" or "FF" with an automatic drain is 0.1 MPa. (Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 4: The automatic drain's minimum operating pressure for "F1" or "FF1" with an automatic drain is 0.15 MPa.

Note 5: When element option "Y" is selected, refer to the maximum working flow table (page 87) for maximum flow. Set the working flow to less than the maximum working flow.

Note 6: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

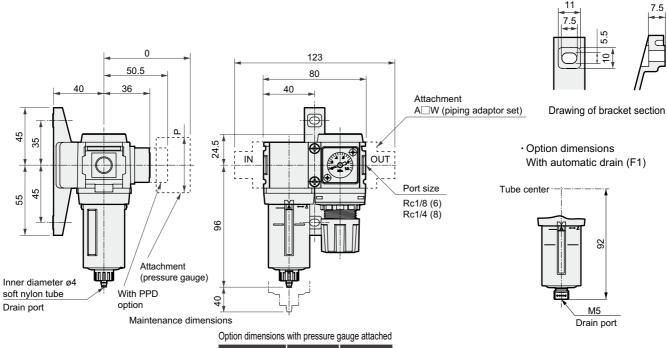
Note 7: C2020-W Series with an automatic drain "F1" must be used below maximum flow rate. (Refer to page 85 F2000-W for weight.)

| | | | | | C | | T T | 1 | el n C | - |
|---|--|--|--|---|-----------------------|----------------------------|---|----------------------------|---|-------------|
| 1020)-(6) ()- W - | ·(L)-(U DSV)-(_)-(A6 | W)-(| / | Refer page 9 for an explanation | C 1 | C 2 0 | C 2 5 2 0 | C 3 0 | C 4 | C 6 0 |
| | | g adaptor | | of the options. | 020 | 02 | 2 | 020 | 0 | 02 |
| | | | Pressu | ire gauge option (included) | 0 | 2 0 | 0 | 0 | 2 0 | 0 |
| | 001(| | nbol | Descriptions | | | | | | |
| odel no. | | | | Descriptions | | | | | | |
| BPort size | | B Por | | 1/0 | | | | | | |
| | | | 6 | 1/8 | - | - | - | | - | |
| | | | 8 | 1/4 | • | • | • | - | • | |
| | | | 0 | 3/8 | | • | • | • | • | |
| | | 1 | 5 | 1/2 | | | | | • | |
| | | 2 | 20 | 3/4 | | | | | ● lte | • |
| | | 2 | 25 | 1 | | | | | | |
| | | © Por | t thread | type | | | | | | No |
| Port three | ead type | | ank | Rc thread | | • | • | | | |
| | | | N | NPT thread | • | • | • | | • | |
| | | | G | G thread | • | • | • | | • | • |
| | | | • • • • | | - | - | - | | - | |
| | Option | D Opt | - | | | | | | | No |
| | Copuoli | | Blank | With filter and manual drain cock | • | • | • | - | - | |
| | | | F | Filter with automatic drain (ND type: exhaust without pressurization) | | | • | • | • | • |
| | | Drainage | F1 | Filter with automatic drain (NC type: exhaust with pressurization) | • | • | • | • | • | |
| | | Note 4 | FF | Filter with automatic large automatic drain (NO type: exhaust without pressurized) | | | | | | |
| | | | FF1 | Filter with automatic large drain (NC type: no exhaust without pressurization) | | | | | | |
| | | | Blank | Polycarbonate bowl | \bullet | • | \bullet | • | \bullet | |
| | | Bowl | z | Nylon bowl | \bullet | \bullet | \bullet | • | \bullet | |
| | | material | м | Metal bowl | | | • | • | • | |
| | | 1 | M1 | Metal bowl with manual drain cock | | • | • | • | • | |
| | | | Blank | 5µm | • | é | é | Í | Í | |
| | | Element | Y | 0.3µm (submicron) Note 5 | • | | | | | |
| | | Differential | Blank | Without differential pressure detection port | | | | | | |
| | | pressure detection | Q | · · · | - | | | | | |
| | | | | With differential pressure detection port (Rc1/4) | | | | | | |
| | | Pressure | | 0.05 to 0.85MPa | • | - | | | - | |
| | | Range | L | 0.05 to 0.35MPa Note 6 | • | • | • | • | • | |
| | Assembly attachment | Relief | Blank | With relief mechanism | \bullet | | | • | | |
| | | | N | Non-relief type | \bullet | \bullet | • | | • | |
| | I | | Blank | Standard pressure gauge (G401-W) | \bullet | \bullet | \bullet | • | • | |
| | Displayed unit | Pressure | Т | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | \bullet | \bullet | \bullet | \bullet | \bullet | |
| Cautions for mode | No soloction | | Т8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | \bullet | • | • | | • | |
| | | gauge | Т6 | Compatibility with digital pressure sensor PPX Note 7 | \bullet | • | • | • | • | |
| · Piping adaptor A400-20*-W | is assembled on both ends of | | R1 | Pressure switch with display PPD assembled Note 8 | \bullet | | | • | • | |
| | or set "A20*W" does not need to | Flow | Blank | Standard flow (left to right) | | • | | • | • | |
| be specified. | | direction | X1 | IN/OUT reverse flow (right to left) | \bullet | • | • | • | | |
| • | are available for IN, OUT, gauge | B Ass | ombly a | ttachment Pa | ige | 12 | 7 10 | 149 | 1.5 | 2 |
| | ort (metal bowl with automatic | | ank | Without assembly attachment | ge | | | | | Ξ, |
| port and drain discharge p | • | | J | | | - | - | | - | |
| port and drain discharge p drain). Attachment P, V will b | | | | Assembly attachment type Note 5 | | | | | | |
| drain). Attachment P, V will b | xhaust, bowl material, element, | | - | Assembly attachment type Note 5 | - | • | • | • | • | |
| drain). Attachment P, V will b Select options from drain e | | | D | Distributor (D101-W, D401-W, D801-W) | • | • | • | • | • | |
| drain). Attachment P, V will b B: Select options from drain e differential pressure detection | xhaust, bowl material, element, | | D S | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) | | • | • | • | • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several | xhaust, bowl material, element, n, regulator, and regulator. When | | D S P | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) | • | • • • | • • • | • • • | • • • • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. | xhaust, bowl material, element, n, regulator, and regulator. When items, list options in order from | Assembled | D S P V | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) | • | • • • • | • •< | • • • • | • •< | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. | xhaust, bowl material, element, n, regulator, and regulator. When | | D S P | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) | • | • • • • • • | • •< | • • • • • • | • •< | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. | xhaust, bowl material, element, n, regulator, and regulator. When items, list options in order from ng conditions of the automatic | Assembled | D S P V | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | • | | | | | |
| drain). Attachment P, V will b 3: Select options from drain e differential pressure detection selecting options for several the top. 4: Refer to page 12 for worki drain. 5: Refer to page 87 for max. flo | xhaust, bowl material, element, n, regulator, and regulator. When items, list options in order from ng conditions of the automatic | Assembled | D S P V K | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | • | | | | • • • • • • • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". | Assembled Big | D S P V K | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit | • | | | | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". | Assembled Assembled Assembled | D S P V K played u ank | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread | • | | | | | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". Je will be 0 to 0.4 MPa for option I, only "blank" or "R2" is available | Assembled Assembled Bla G Pipi | D S P V K played u ank | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) | • • • • • | • | | ī — | • •< | to |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure | Asseempted Asseempted J G Pipi Bla | D S P V K played u ank 1 ing adap ank | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached | • • • • | | • /ul> | ī — | | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". Je will be 0 to 0.4 MPa for option I, only "blank" or "R2" is available | Vertication of the second seco | D S V K played u ank 11 ing adap ank *W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set | • • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option I, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. hsistor output. Consult with CKD | Assembled Assemb | D S P V K played u ank 1 mg adap ank *W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set | • • • • | • | | ī — | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN tran if PNP transistor output is reco | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. nsistor output. Consult with CKD quired. | Vertical and the second | D S P V K played u ank 1 1 mg adap ank * W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is rea | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments | Vertical and the second | D S P V K played u ank 1 mg adap ank *W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is ree Mounting location for assemt Symbol Installation position of Attachment | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model | Pipi Bla Bla A6 A8 A10 A11 A11 | D S P V K played u ank 1 1 mg adap ank * W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is ree Mounting location for assemt Symbol Installation position of Attachment D $F+(D)+R$ | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. histor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W | Pipi Bla Bla A6 A8 A10 A11 A20 | D S P V K played u ank 1 ng adap ank * W * W 5 * W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is rea Mounting location for assent Symbol Installation position of Attachment D F+ (D) +R | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W C1020-W to C8020-W | Pipi Bla Bla Bla A66 A88 A10 A11 A20 A21 A21 | D S P V K played u ank 1 1 mg adap ank * W 5*W 5*W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. histor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W | Pipi Bla Bla Bla A6 A8 A10 A11 A20 A22 A32 | D S P V K played u ank 1 1 ing adap ank * W 5*W 5*W 5*W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) P | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W C1020-W to C8020-W | C Pipi Bla Bla Bla Bla Bla A66 A88 A10 A11 A20 A21 A22 A32 * Adap | D S P V K played u ank 1 1 ing adap ank * W 5*W 5*W 5*W 5*W 2*W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set | • • • • | • | | • | • | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. histor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, | C Pipi Bla J C Pipi Bla A66 A88 A10 A11 A20 A21 A21 A22 A32 * Adap Bla | D S P V K played u ank 1 1 ing adap ank *W 5*W 5*W 5*W 5*W 5*W 2*W 2*W 2*W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread | • • • • | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is rec Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) P | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. misistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) | Palagenergy Version Stress Version S | D S P V K played u ank 1 1 s w s w b s w b s w b s w b s w b s w b s w b s w b s w b s w b s w b s w b s w b s w s s s v k s s s v k s s s s v k s s s s | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set NPT thread | | • | | • | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN trar if PNP transistor output is ree Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) P | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure RC1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W | C Pipi Bla Bla A6 A8 A10 A11 A20 A21 A31 * Adap Bla | D S P V K played u ank 1 ng adap ank * W 5*W 5*W 5*W 5*W 5*W 2*W tor threa ank N 3 | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 2 hipping adaptor set 3 hipping set 3 hip | • • • • | | | | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is red : Mounting location for assemt Smooth or F+R+ (S, P) P V or F+R+ (V, K) K | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure R01/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("V" excludes 6000, 8000 Series. "K" excludes 1000 Series) | C Pipi Bla Bla A6 A8 A10 A11 A20 A21 A31 * Adap Bla | D S P V K played u ank 1 ng adap ank * W 5*W 5*W 5*W 5*W 5*W 2*W tor threa ank N 3 | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set NPT thread | | | | | • | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is red : Mounting location for assemt Smoothing location for assemt Smoothing location of Attachment D F+ (D) +R S or F+R+ (S, P) P V or V or indicate "U" + "D", "S", "P", | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. nsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("V" excludes 6000, 8000 Series. | Point Second State Second S | D S P V K played u ank 1 ng adap ank * W 5*W 5*W 5*W 5*W 5*W 2*W tor threa ank N 3 | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 2 hipping adaptor set 3 hipping set 3 hip | | | | | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN transistor output is recommon for assent Symbol Installation position of Attachment D F+ (D) +R S or or F+R+ (S, P) P V V or F+R+ (V, K) K E: Indicate "U" + "D", "S", "P", assembly attachment. | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. nsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("V" excludes 6000, 8000 Series. "K" excludes 1000 Series) "V", and "K" when selecting an | Point Second State Second S | D S P V K played u ank 1 1 mg adap ank *W *W 5 *W 5 *W 5 *W 5 *W 5 *W 5 *W 5 | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 high piping adaptor set 3/4 piping adaptor set 1 high piping adaptor set 3/4 piping adaptor set 1 high piping adaptor set 3/4 piping set 3/4 | | | | | | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assent Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) P V or F+R+ (V, K) K : Indicate "U" + "D", "S", "P", assembly attachment. | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure R01/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("V" excludes 6000, 8000 Series. "K" excludes 1000 Series) | F Disperson F Dis | D S P V K played u ank 1 1 mg adap ank *W *W 5*W 0*W 5*W 0*W 5*W 0*W 5*W 0*W 5*W 2*W 4tor threa ank 3 3 ssure ga | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 1/2 piping adaptor set 1 1/2 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 3/4 piping | | | | | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assemt Symbol Installation position of Attachment D F+(D) +R S or F+R+ (S, P) P V or F+R+ (V, K) K : Indicate "U" + "D", "S", "P", assembly attachment. Use custom combinations combinations. | xhaust, bowl material, element, n, regulator, and regulator. When i items, list options in order from ing conditions of the automatic wrate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure Rc1/8) is assembled ventilated. nsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("Y" excludes 1000 Series. "K" excludes 1000 Series. "V", and "K" when selecting an as specifications for any other | Point | D S P V K played u ank 1 1 ing adap ank *W *W 5*W 0*W 5*W 0*W 5*W 0*W 5*W 2*W 5*W 2*W 5*W 2*W 55*W 2*W 55*W 2*W 55*W 2*W | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 /2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 hiping adaptor set 1 thread NPT thread G thread uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) | | | | | | |
| drain). Attachment P, V will b 3: Select options from drain e: differential pressure detection selecting options for several the top. 4: Refer to page 12 for worki drain. 5: Refer to page 87 for max. flo 6: Pressure gauge display rang "L". 7: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F 3: Output type will be NPN trar if PNP transistor output is rec 6: Mounting location for assemt Symbol Installation position of Attachment D F+(D)+R S or F+R+(S, P) P V or F+R+(V, K) assembly attachment. Use custom combinations combination. 10: A joiner set is attached with | xhaust, bowl material, element, n, regulator, and regulator. When litems, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure RC1/8) is assembled ventilated. misistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("V" excludes 6000, 8000 Series. "K" excludes 6000, 8000 Series. "K" excludes 1000 Series) "V", and "K" when selecting an a specifications for any other the piping adapter set. | C Pres | D S P V K played u ank 1 1 ng adap ank * W * W 5 * W * W * W * W S * W S * W S * W S * * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * * W S * W S * W S * W S * W S S W S S W S S W S S S S S S | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread MPa display, Rc thread MPa display, RC thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 ti/4 piping adaptor set 3/4 piping set 3/ | | | | | | |
| drain). Attachment P, V will b : Select options from drain e differential pressure detection selecting options for several the top. : Refer to page 12 for worki drain. : Refer to page 87 for max. flo : Pressure gauge display rang "L". : When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F : Output type will be NPN trar if PNP transistor output is rec : Mounting location for assemt Symbol Installation position of Attachment D F+(D) +R S or F+R+(S, P) P V or F+R+(V, K) K : Indicate "U" + "D", "S", "P", assembly attachment. Use custom combinations combination. 0: A joiner set is attached with 1: If NPT is selected for the | xhaust, bowl material, element, n, regulator, and regulator. When litems, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure RC1/8) is assembled ventilated. misistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("Y" excludes 6000, 8000 Series. "K" excludes 6000, 8000 Series. "K" excludes 1000 Series) "V", and "K" when selecting an a specifications for any other the piping adapter set. "C" piping thread type, a NPT | Point Stress Stres | D S P V K blayed u ank 1 ng adap ank * W * W 5 W 5 W 5 W 5 W 2 W 0 W 5 W 2 2 W 0 W 5 S W 3 S S U Three Bank 5 S W 3 S S S S S S S S S S S S S S S S S | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 3 friend NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G40D-8-P04) | | | | | | |
| drain). Attachment P, V will b Select options from drain e differential pressure detection selecting options for several the top. Refer to page 12 for worki drain. Refer to page 87 for max. flo Pressure gauge display rang "L". When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F Output type will be NPN transistor output is rec Mounting location for assemt Symbol Installation position of Attachment D F+(D) +R S or F+R+ (S, P) P V or F+R+ (V, K) K Use custom combinations combination. 0: A joiner set is attached with 1: If NPT is selected for the pressure gauge is enclosed | xhaust, bowl material, element, n, regulator, and regulator. When litems, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure RC1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("Y" excludes 6000, 8000 Series. "K" excludes 1000 Series. "C", and "K" when selecting an as specifications for any other the piping adapter set. "C" piping thread type, a NPT d. If Rc or G thread is selected, | Vertication of the second state of the second | D S P V K blayed u ank 1 ng adap ank * W * W 5 * S * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W 5 * W S * * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * W S * S * | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1 1/4 piping adaptor set Cat tread NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G40D-8-P04) G50D-8-P10 (L: G50D-8-P04) | | | | | | |
| drain). Attachment P, V will b 3: Select options from drain e: differential pressure detection selecting options for several the top. 4: Refer to page 12 for worki drain. 5: Refer to page 87 for max. flo 6: Pressure gauge display rang "L". 7: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (F 8: Output type will be NPN trar if PNP transistor output is rec 9: Mounting location for assemt Symbol Installation position of Attachment D F+ (D) +R S or F+R+ (S, P) P V or F+R+ (V, K) K 2: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combinations combination. 0: A joiner set is attached with 1: If NPT is selected for the | xhaust, bowl material, element, n, regulator, and regulator. When l items, list options in order from ng conditions of the automatic w rate of option "Y". ge will be 0 to 0.4 MPa for option l, only "blank" or "R2" is available (enclosed). The digital pressure RC1/8) is assembled ventilated. hsistor output. Consult with CKD quired. bly attachments Applicable model C1020-W to C8020-W ("P" excludes 1000, 6000, 8000 Series) C1020-W to C8020-W ("Y" excludes 6000, 8000 Series. "K" excludes 1000 Series. "C", and "K" when selecting an as specifications for any other the piping adapter set. "C" piping thread type, a NPT d. If Rc or G thread is selected, | Vertication of the second state of the second | D S P V K blayed u ank 1 ng adap ank * W * W 5 W 5 W 5 W 5 W 2 W 0 W 5 W 2 2 W 0 W 5 S W 3 S S U Three Bank 5 S W 3 S S S S S S S S S S S S S S S S S | Distributor (D101-W, D401-W, D801-W) Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, Rc thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 3 friend NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G40D-8-P04) | | | | | | |

CKD

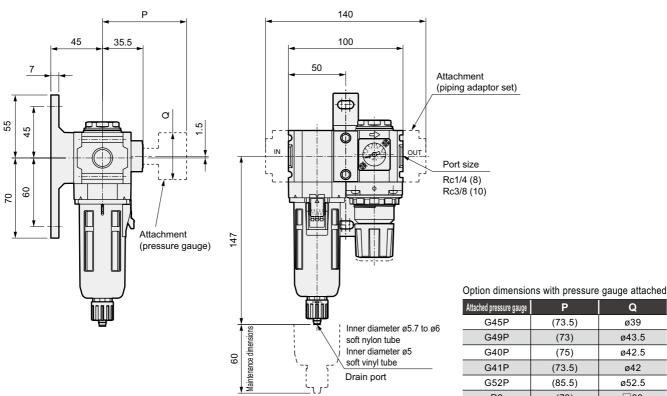
Dimensions CAD

• C1020-W



| Option dimensions | with pressure g | jauge allacheu |
|-------------------------|-----------------|----------------|
| Attached pressure gauge | 0 | Р |
| G45P | (74) | ø39 |
| G49P | (73.5) | ø43.5 |
| G59P | (76) | ø52 |
| G40P | (75.5) | ø42.5 |
| G50P | (75.5) | ø52.5 |
| G41P | (74) | ø42 |
| G52P | (86) | ø52.5 |
| R2 | (74) | □30 |
| | | |

• C2020-W



| | ns with pressure | gauge allacheu |
|-------------------------|------------------|----------------|
| Attached pressure gauge | Р | Q |
| G45P | (73.5) | ø39 |
| G49P | (73) | ø43.5 |
| G40P | (75) | ø42.5 |
| G41P | (73.5) | ø42 |
| G52P | (85.5) | ø52.5 |
| R2 | (73) | □30 |

G52P

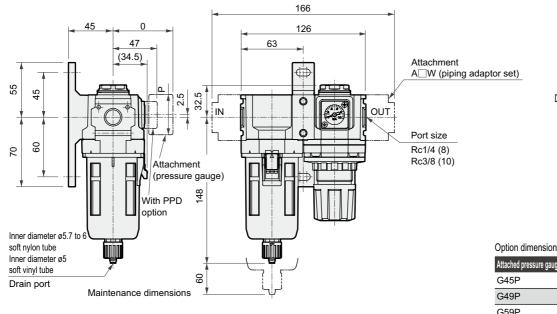
R2

(85.5)

(73)

Dimensions CAD • C2520-W 0 153 50 113 35.5 45 Attachment 7 63 A W (piping adaptor set) Drawing of bracket section ₫ 55 45 31.5 1 Ø b IN OUT ۵ 88.5 8 20 Port size 148 Rc1/4 (8) Rc3/8 (10) Option dimensions with pressure gauge attached Attachment (pressure gauge) Attached pressure gauge 0 Ρ Inner diameter ø5.7 to 6 With PPD W G45P option soft nylon tube (73.5) ø39 Inner diameter ø5 G49P (73) ø43.5 60 maintenance dimensions soft vinyl tube G59P (75.5) ø52 ,Drain port G40P ø42.5 (75) G50P (75) ø52.5 G41P (73.5) ø42

• C3020-W



Refer to page 92 for dimensions of the metal bowl option.

ø52.5

30

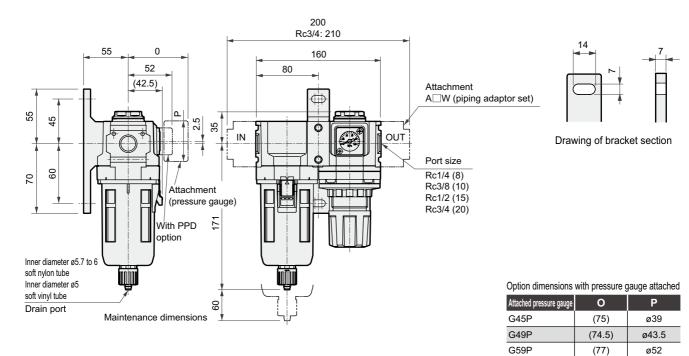
Drawing of bracket section

Option dimensions with pressure gauge attached

| Attached pressure gauge | 0 | Р |
|-------------------------|--------|-------|
| G45P | (70) | ø39 |
| G49P | (69.5) | ø43.5 |
| G59P | (72) | ø52 |
| G40P | (71.5) | ø42.5 |
| G50P | (71.5) | ø52.5 |
| G41P | (70) | ø42 |
| G52P | (82) | ø52.5 |
| R2 | (69.5) | □30 |
| | CKE |) |

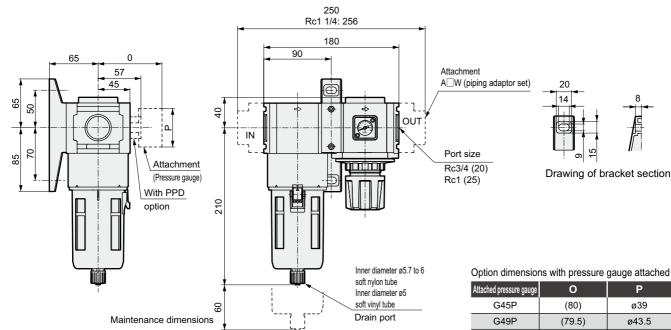
Dimensions

• C4020-W



Refer to page 92 for dimensions of the metal bowl option.

• C6020-W



| 0.101 | (00) | 200 |
|-------|--------|-------|
| G49P | (79.5) | ø43.5 |
| G59P | (82) | ø52 |
| G40P | (81.5) | ø42.5 |
| G50P | (81.5) | ø52.5 |
| G41P | (80) | ø42 |
| G52P | (93) | ø52.5 |
| R2 | (80) | □30 |
| | | |

G40P

G50P

G41P

G52P

R2

(76.5)

(76.5)

(75)

(86)

(75)

ø42.5

ø52.5

ø42

ø52.5

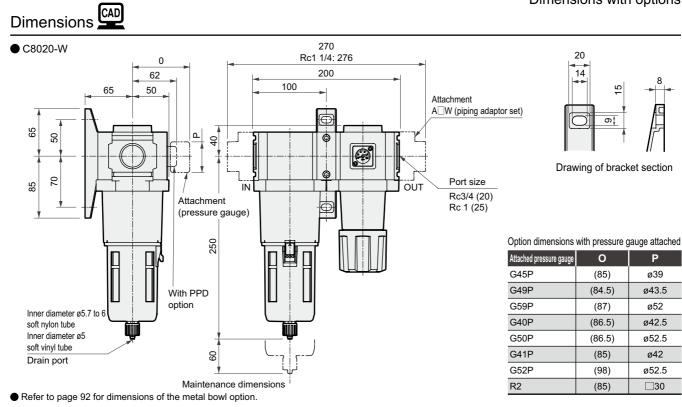
30

Ρ

ø39

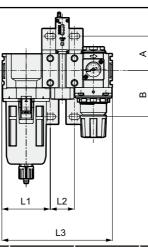
CKD 39

Dimensions with options



Dimensions with options

● C1020-W~C8020-W



| Model no. | Α | В |
|-----------|----|----|
| C1020-W | 35 | 45 |
| C2020-W | | |
| C2520-W | 45 | 60 |
| C3020-W | 40 | 60 |
| C4020-W | | |
| C6020-W | 50 | 70 |
| C8020-W | 50 | 70 |

Ρ

| Assembled options | | D | | S (| Note | e 1) | | Ρ | | | V | | | Κ | | DS | (Not | e 1) | | DP | | | DV | | | DK | |
|--|----------------------|--------------------------|--------------------------|----------------------|--------------------------|-------------------|----------------|---------------------|-------------------------|----------------|---------------------|-------------------------|----------------------|-------------------------------|----------------------------------|----------------|-----------------------|-------------------------|----------------|-------------------|-------------------|----------------|-------------------|-------------------|-----|-------|-------|
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 |
| C1020-W | 40 | 28 | 108 | 40 | 40 | 129.5 | - | - | - | 40 | 40 | 120 | - | - | - | 40 | 68 | 157.5 | - | - | - | 40 | 68 | 148 | - | - | - |
| C2020-W | 50 | 31.5 | 131.5 | 50 | 50 | 151.5 | 50 | 50 | 180 | 50 | 50 | 163 | 50 | 50 | 163 | 50 | 81.5 | 183 | 50 | 81.5 | 211.5 | 50 | 81.5 | 194.5 | 50 | 81.5 | 194.5 |
| C2520-W | 63 | 31.5 | 144.5 | 63 | 50 | 164.5 | 63 | 50 | 193 | 63 | 50 | 176 | 63 | 50 | 176 | 63 | 81.5 | 196 | 63 | 81.5 | 224.5 | 63 | 81.5 | 207.5 | 63 | 81.5 | 207.5 |
| C3020-W | 63 | 31.5 | 157.5 | 63 | 63 | 177.5 | 63 | 63 | 206 | 63 | 63 | 189 | 63 | 63 | 189 | 63 | 94.5 | 209 | 63 | 94.5 | 237.5 | 63 | 94.5 | 220.5 | 63 | 94.5 | 220.5 |
| C4020-W | 80 | 31.5 | 191.5 | 80 | 80 | 211.5 | 80 | 80 | 240 | 80 | 80 | 223 | 80 | 80 | 223 | 80 | 111.5 | 243 | 80 | 111.5 | 271.5 | 80 | 111.5 | 254.5 | 80 | 111.5 | 254.5 |
| C4020-20-W Note 1 | 100 | 31.5 | 231.5 | 100 | 80 | 231.5 | 100 | 80 | 280 | 100 | 80 | 263 | 100 | 80 | 263 | 100 | 111.5 | 263 | 100 | 111.5 | 311.5 | 100 | 111.5 | 294.5 | 100 | 111.5 | 294.5 |
| C6020-W | 90 | 50 | 230 | 90 | 90 | 265 | - | - | Ι | - | - | - | 90 | 90 | 270 | 90 | 140 | 315 | - | - | - | - | - | - | 90 | 140 | 320 |
| C8020-W | 100 | 50 | 250 | 100 | 100 | 285 | - | - | - | - | - | - | 100 | 100 | 290 | 100 | 150 | 335 | - | - | - | - | - | - | 100 | 150 | 340 |
| Assembled options | | DSV | ' | | DSK | | | DPV | ' | | DPK | | | sv | | | SK | | | P۷ | | | PΚ | | | | |
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | | | |
| 0 1 0 0 0 1 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1020-W | 40 | 96 | 176 | - | - | - | - | - | - | - | - | - | 40 | 68 | 148 | - | - | - | - | - | - | - | - | - | | | |
| C1020-W C2020-W | 40 50 | 96 113 | 176 226 | - 50 | _ 113 | 226 | 50 | _ 162 | - 274.5 | - 50 | - 162 | – 274.5 | | 68 81.5 | | - 50 | - 81.5 | – 194.5 | - 50 | - 130 | - 243 | - 50 | - 130 | - 243 | | | |
| | - | | | | - 113 113 | | - 50 63 | | - 274.5 287.5 | | | - 274.5 287.5 | 50 | 81.5 | | | - 81.5 81.5 | | - 50 63 | - 130 130 | - 243 256 | - 50 63 | | | [| | |
| C2020-W | 50 | 113 | 226 | 50 | | 239 | | 162 | | 63 | 162 | | 50 63 | 81.5 81.5 | 194.5 | 63 | | 207.5 | | | | | 130 | | | | |
| C2020-W C2520-W | 50 63 | 113 113 | 226 239 | 50 63 | 113 | 239 252 | 63 63 | 162 175 | 287.5 | 63 63 | 162 175 | 287.5 | 50 63 63 | 81.5 81.5 94.5 | 194.5 207.5 | 63 63 | 81.5 94.5 | 207.5 | 63 | 130 | 256 | 63 | 130 143 | 256 269 | | | |
| C2020-W C2520-W C3020-W | 50 63 63 | 113 113 126 | 226 239 252 286 | 50 63 63 | 113 126 143 | 239 252 286 | 63 63 80 | 162 175 191.5 | 287.5 300.5 | 63 63 80 | 162 175 191.5 | 287.5 300.5 | 50 63 63 80 | 81.5 81.5 94.5 111.5 | 194.5 207.5 220.5 254.5 | 63 63 80 | 81.5 94.5 111.5 | 207.5 220.5 254.5 | 63 63 80 | 130 143 160 | 256 269 | 63 63 | 130 143 160 | 256 269 | | | |
| C2020-W C2520-W C3020-W C4020-W | 50 63 63 80 | 113 113 126 143 | 226 239 252 286 | 50 63 63 80 | 113 126 143 143 | 239 252 286 | 63 63 80 | 162 175 191.5 | 287.5 300.5 334.5 | 63 63 80 | 162 175 191.5 | 287.5 300.5 334.5 | 50 63 63 80 | 81.5 81.5 94.5 111.5 | 194.5 207.5 220.5 254.5 | 63 63 80 | 81.5 94.5 111.5 | 207.5 220.5 254.5 | 63 63 80 | 130 143 160 | 256 269 303 | 63 63 80 | 130 143 160 | 256 269 303 | | | |

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket L3: Dimensions from the IN edge to the OUT edge

*Refer to the general catalog for the detailed dimentions of the mounting hole of the bracket. Note 1 The piping adapter is assembled on the OUT side.

Piping adaptor A400-20-W is assembled on both ends of C4020-20-W.





F.M.R. combination standard white series C1030/C2030/C2530-W C3030/C4030/C6030/C8030-W Series

Integrated filter, oil mist filter, and regulator

Port size: 1/8 to 1





Specifications

| opecifications | | | | | | | |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|----------------------------------|----------------------------------|
| Descriptions | C1030-W | C2030-W | C2530-W | C3030-W | C4030-W | C6030-W | C8030-W |
| Exterior | | | | | | | |
| Filter | F1000-W | F2000-W | F3000-W | F3000-W | F4000-W | F6000-W | F8000-W |
| Components Oil mist filter | M1000-W | M2000-W | M3000-W | M3000-W | M4000-W | M6000-W | M8000-W |
| Regulator | R1000-W | R2000-W | R2000-W | R3000-W | R4000-W | R6000-W | R8000-W |
| Working fluid | | | | Compressed air | | | |
| Max. working pressure MPa | | | | 1 | | | |
| Withstanding pressure MPa | | | | 1.5 | | | |
| Ambient temperature range °C | | | | 5 to 60 | | | Note 6 |
| Set pressure range MPa | 0.05 to 0.85 Note 5 | | | 0.05 t | o 0.85 | | |
| Relief | | | Wi | th relief mechani | sm | | |
| Port size Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (11/4 uses an adaptor) | 3/4, 1 (11/4 uses an adaptor) |
| Product weight kg | | 0.98 | 1.02 | 1.10 | 1.86 | 3.19 | 4.45 |
| Secondary oil concentration (Oil mist filter outlet side) | | | (| 0.01mg/m ³ or less | S | | |
| Maximum flow rate (Note 1) m ³ /min | 0.15 | 0.25 | 0.36 | 0.36 | 0.825 | 1.27 | 2.6 |
| Noto 1: The maximum flow is | for a primary pros | sure of 0.7 MPa W/ | on alamant antion | "V" is selected ref | or to page 87 for m | avimum flow | |

Note 1: The maximum flow is for a primary pressure of 0.7 MPa. When element option "Y" is selected, refer to page 87 for maximum flow.

Note 2: Refer to page 95 for details on other oil mist filters.

Note 3: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air filter and automatic drain are purged with initial drainage until pressure reaches 0.1 MPa.

Note 4: When "F1" with an automatic drain is selected, the filter, oil mist filter, and NC automatic drain are assembled, but the supply air pressure must be 0.15 MPa or more.

Note 5: When "F1" with an automatic drain is selected for the C1030-W series, the NC automatic drain is assembled for both the filter and oil mist filter. Minimum operation pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 97) for the M1030-W-F1 automatic drain for the maximum working flow.

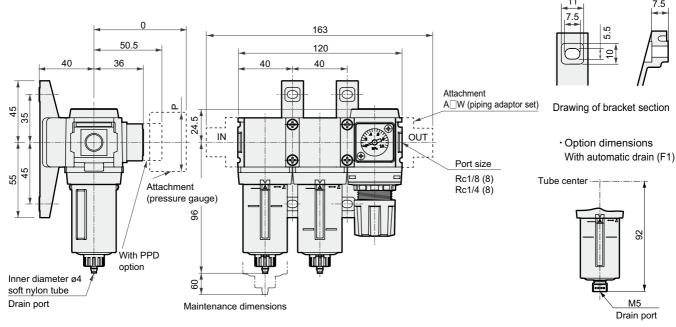
Note 6: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

How to order

| 1030)-(6) ()- W - | ·(L)-(U D | SV)-()-(A6' | W)-(|) | Refer page 9 for an explanation | C 1 3 0 | C 2 0 3 0 | C2530 | C 3 | C 4 0 | C 6 0 |
|--|--|---|--|---|---|------------------|---|---|-----------------|---|-------------|
| \top \uparrow \uparrow \uparrow | \downarrow \neg | | | | of the options. | ļ | 0 | 5 | 0 | 03 | 0 3 |
| | | | | _ DPressu | re gauge option (attached) | 0 | 0 | 0 | 3 0 | 0 | 0 |
| | | Set (iii | | nbol | Descriptions | | | | | | |
| Model no. | | | B Por | | Descriptions | | | | | | |
| BPort size | | | | 6 | 1/8 | | | | | | |
| | | | | В | 1/4 | • | • | • | • | \bullet | |
| | | | 1 | 0 | 3/8 | | • | • | • | \bullet | |
| | | | 1 | 5 | 1/2 | | | | | \bullet | |
| | | | 2 | 0 | 3/4 | | | | | ● lite1 | • |
| | | | 2 | 5 | 1 | | | | | | • |
| | | | C Por | t thread | type | | | | | N | lot |
| Port three | ead type | | | ank | Rc thread | | • | | • | \bullet | • |
| | | | 1 | N | NPT thread | | \bullet | • | \bullet | \bullet | • |
| | | | | 3 | G thread | | \bullet | \bullet | \bullet | \bullet | • |
| | | | D Opt | ion | | | | | | N | lot |
| | Option | | | Blank | With manual drain cock | • | • | • | • | \bullet | • |
| | | | | F | Automatic drain with manual override (NO type: exhausts without pressurization | 1) | | • | \bullet | \bullet | ٠ |
| | | | Drainage | F1 | Automatic drain with manual override (NC type: no exhaust without pressurization | - | • | | • | • | • |
| | | | Note 4, Note 5 | FF | Large exhaust automatic drain with manual override (NO type: exhausts without pressurization | | | | | | |
| | | | | FF1 | Large exhaust automatic drain with manual override (NO type: no exhaust without pressurizatio | | - | - | - | | <u> </u> |
| | | | Based | Blank | Polycarbonate bowl | | - | | | | - |
| | | | Bowl | Z M | Nylon bowl Metal bowl | • | | | | | - |
| | | | material | M1 | Metal bowl with manual drain cock | | • | | | | - |
| e a: | ssembly atta | chment | | Blank | 5µm | • | | | | | - |
| | | | Element | Y | 0.3µm (submicron) Note 6 | _ | | | - | | - |
| | | | Differential | Blank | Without differential pressure detection por | _ | • | • | • | • | • |
| | | Displayed unit | pressure detection | Q | With differential pressure detection port (Rc1/4 | - | | | | | • |
| Coutions for mode | | action | Pressure | Blank | 0.05 to 0.85MPa | | • | | • | • | • |
| Cautions for mode | i no. sei | ection | Range | L | 0.05 to 0.35MPa Note 7 | | • | • | • | \bullet | • |
| 1: Piping adaptor A400-20*-W | is assembled | on both ends of | Relief | Blank | With relief mechanism | | • | • | \bullet | \bullet | • |
| C4030-20*-W. Piping adapto | | | Relief | N | Non-relief type | • | • | | • | \bullet | • |
| be specified. | | | | Blank | Standard pressure gauge (G401-W) | • | • | \bullet | \bullet | \bullet | • |
| e 2: G threads and NPT threads a | are available fo | or IN, OUT, gauge | Pressure | Т | Without pressure gauge (gauge port (Rc1/4) assembled sealed | - | \bullet | • | \bullet | \bullet | • |
| port and drain discharge p | | | gauge | Т8 | Pressure gauge attachable (gauge atchment port (Rc1/4) assembled open | | • | | \bullet | • | • |
| drain). Attachment P, V will be | - | | 0.0 | T6 | Compatibility with digital pressure sensor PPX Note 8 | _ | • | | • | • | • |
| e 3: Select options from drain ex | | | | R1 | Pressure switch with display PPD assembled Note 9 | - | | | • | • | • |
| differential pressure detectior selecting options for several | - | - | Flow Direction | Blank X1 | Standard flow (left to right) Reverse flow (right to left) | | • | | - | | - |
| the top. | norio, nor opti | | | | | - | | | | | Ě |
| e 4: Refer to page 12 for worki | ng conditions | of the automatic | | | ¥ | les 1 | 37 | to 1 | 48, | 153 | 3, 1 |
| drain. | | | | ank J | Without assembly attachment Assembly attachment type Note 10 | | - | | | | - |
| e 5: When option symbol "F" is s | | | <u> </u> | D | Distributor (D101-W, D401-W, D801-W | | - | - | - | | - |
| is enclosed for the air filter | and the NC a | utomatic drain for | ed | s | Pressure switch (P1100-W, 4100-W, 8100-W | - | • | • | • | • | |
| the oil mist filter. | drain trunc all | mist filter but the | a de | P | Pressure switch (P4000-W) | | • | • | • | • | _ |
| | | mist litter but the | Assembled | v | Shut-off valve (V1000-W, V3000-W) | | • | • | • | \bullet | _ |
| "FF" and "FF1" has a large | | ו "Y" | ◄ | к | Shut-off valve with key hole (V3010-W, V6010-W |) | • | • | • | • | • |
| automatic drain is same as th | | | | | | | | | | | _ |
| automatic drain is same as the 6: Refer to page 87 for max. flow | w rate of option | .4 MPa for option | () Dist | olaved u | nit | , | | | • | | • |
| automatic drain is same as th | w rate of option | 0.4 MPa for option | | olayed u ank | nit MPa display, Rc thread | | • | | 1 . | | • |
| automatic drain is same as th e 6: Refer to page 87 for max. flow e 7: Pressure gauge display rang "L". e 8: When option "T6" is selected | w rate of optior ge will be 0 to 0 d, only "blank" c | or "R2" is selected | Bla | - | T | • | • | • | | | ote |
| automatic drain is same as th e 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". e 8: When option "T6" is selected for the (H) pressure gauge | w rate of optior ge will be 0 to 0 d, only "blank" c (enclosed). Th | or "R2" is selected e digital pressure | Bla J | ank 1 | MPa display, Rc thread MPa display, NPT, G thread | • | • • 15 | • • • <u>to</u> | 15 | 7 No | |
| automatic drain is same as th e 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". e 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R | w rate of optior ge will be 0 to 0 d, only "blank" c (enclosed). Th Rc1/8) is assem | or "R2" is selected e digital pressure ibled ventilated. | Bla J G Pipi | ank 1 | MPa display, Rc thread MPa display, NPT, G thread | • | ● ● 155 | • • 5 to | 15 ⁻ | 7 No | - |
| automatic drain is same as th e 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". e 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R e 9: Output type will be NPN tran | w rate of option ge will be 0 to 0 d, only "blank" o (enclosed). Th Rc1/8) is assem- nsistor output. (| or "R2" is selected e digital pressure ibled ventilated. | Bla J © Pipi Bla | ank 1 ng adap | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa | e e ges | | | | 7 No | |
| automatic drain is same as the 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is reco | w rate of optior ge will be 0 to 0 d, only "blank" o (enclosed). Th Rc1/8) is assem nsistor output. o quired. | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD | Bla J © Pipi Bla A6 | ank 1 ing adap ank | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached | e ges | | | | 7 Nc | |
| automatic drain is same as th e 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". e 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R e 9: Output type will be NPN tran- if PNP transistor output is req e 10: Mounting location for assem | w rate of optior ge will be 0 to 0 d, only "blank" o (enclosed). Th Rc1/8) is assem nsistor output. o quired. nbly attachmen | or "R2" is selected e digital pressure abled ventilated. Consult with CKD ts | Bla J © Pipi Bla A6 A8 | ank 1 Ing adap ank *W | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set | lges | • | • | | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem nsistor output. of quired. nbly attachmen Applicable | or "R2" is selected e digital pressure abled ventilated. Consult with CKD ts model | Bla J G Pipi Bla A6 A8 A10 | ank 1 ing adap ank *W *W | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Not attached 1/8 piping adaptor set 1/4 piping adaptor set | eges • | • | • | | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R | w rate of optior ge will be 0 to 0 d, only "blank" c (enclosed). Th Rc1/8) is assem nsistor output. of quired. nbly attachmen Applicable [C1030-W to C | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W | Bla J G Pipi Bla A6 A8 A10 A11 A20 | ank 1 ng adap ank *W *W 5*W 5*W 5*W | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set | eges • | • | • | • | • | • |
| automatic drain is same as th 6: Refer to page 87 for max. flov 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is req 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S | w rate of optior ge will be 0 to 0 d, only "blank" c (enclosed). Th Rc1/8) is assem- nsistor output. (quired. nbly attachmen Applicable C1030-W to C C1030-W to C | or "R2" is selected e digital pressure ubled ventilated. Consult with CKD ts model 8030-W 8030-W | Bla G Pipi Bla A6 A8 A10 A11 A20 A22 | ank 1 ng adap ank *W 5*W 5*W 5*W 5*W | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set | eges • | • | • | • | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) | w rate of optior ge will be 0 to 0 (enclosed). Th Rc1/8) is assem nsistor output. (quired. nbly attachmen Applicable C1030-W to C C1030-W to C ("P" excludes 10 | or "R2" is selected e digital pressure ubled ventilated. Consult with CKD ts model 8030-W 8030-W | Bla G Pipi Bla A6 A8 A10 A11 A20 A22 A32 | ank 1 ng adap ank *W 5*W 5*W 5*W 5*W 5*W 2*W | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set | eges • | • | • | • | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. nbly attachmen Applicable C1030-W to C C1030-W to C ("P" excludes 11 8000 Series) | or "R2" is selected e digital pressure abled ventilated. Consult with CKD ts model 8030-W 8030-W 8000, 6000, | Bla J G Pipi Bla A66 A88 A10 A15 A20 A25 A25 A32 * Adap | ank 1 ing adap ank *W 5*W 5*W 5*W 5*W 2*W tor three | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type | eges • | • | • | • | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. nbly attachmen C1030-W to C ("P" excludes 11 8000 Series) C1030-W to C | r "R2" is selected e digital pressure abled ventilated. Consult with CKD ts model 8030-W 8030-W 8000, 6000, 4030-W | Bla G Pipi Bla A66 A88 A10 A11 A20 A22 A32 * Adap Bla | ank 1 ng adap ank *W 5*W 5*W 5*W 2*W 2*W 2*W tor threa | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread | | • | • | • | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. nbly attachmen Applicable C1030-W to C C1030-W to C ("P" excludes 11 8000 Series) | r "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000, 6000, 4030-W 8000 Series. | Bla G Pipi Bla A66 A88 A10 A20 A22 A32 * Adap Bla | ank 1 ng adap ank *W 5*W 5*W 5*W 5*W 5*W 2*W 2*W 2*W ank N | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread NPT thread | | • | • | • | • | |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. nbly attachmen C1030-W to C ("P" excludes 11 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 1000 S | or "R2" is selected e digital pressure abled ventilated. Consult with CKD ts model 8030-W 8030-W 8000, 6000, 4030-W 8000 Series. Series) | Bla G Pipi Bla A66 A88 A10 A11 A20 A22 A32 * Adap Bla N C | ank 1 ng adap ank *W 5 W 5 W 5 W 5 W 2 W tor threa ank N 3 | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread NPT thread G thread | | | | | | • |
| automatic drain is same as th 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K ote: Indicate "U" + "D", "S", "P", | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. nbly attachmen C1030-W to C ("P" excludes 11 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 1000 S | or "R2" is selected e digital pressure abled ventilated. Consult with CKD ts model 8030-W 8030-W 8000, 6000, 4030-W 8000 Series. Series) | Bla G Pipi Bla A66 A88 A10 A20 A20 A20 A20 A20 A20 A20 A20 A20 A2 | ank 1 ng adap ank *W 5 W 5 W 5 W 5 W 2 W tor threa ank N 3 Ssure ga | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread NPT thread G thread uge option (attached) | | | | | • | • |
| automatic drain is same as the 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge display rang of the Generative sensor PPX mounting port (R 9: Output type will be NPN transit fPNP transistor output is received to the form of the field of | w rate of option ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem nsistor output. of quired. nbly attachmen C1030-W to C C1030-W to C ("P" excludes 11 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 S , "V", and "K" w | or "R2" is selected e digital pressure bled ventilated. Consult with CKD ts model 8030-W 8000, 6000, 4030-W 8000 Series. Series) when selecting an | Bla G Pipi Bla A66 A88 A10 A11 A20 A22 A32 * Adap Bla N C C | ank 1 ng adap ank *W 5*W 5*W 5*W 2*W 2*W 2*W 2*W 2*W 1tor threa ank 3 ssure ga ank | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread NPT thread G thread uge option (attached) Not attached | | • /ul> | | | | • |
| automatic drain is same as the 6: Refer to page 87 for max. flow 9: Pressure gauge display rang "L". 9: When option "T6" is selected for the (H) pressure gauge 9: Output type will be NPN tran- if PNP transistor output is req 9: Output type will be NPN tran- if PNP transistor output is req 9: Output type will be NPN tran- if PNP transistor output is req 9: Output type will be NPN tran- 10: Mounting location for assert Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K Note: Indicate "U" + "D", "S", "P", assembly attachment. | w rate of option ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem nsistor output. of quired. nbly attachmen C1030-W to C C1030-W to C ("P" excludes 11 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 S , "V", and "K" w | or "R2" is selected e digital pressure bled ventilated. Consult with CKD ts model 8030-W 8000, 6000, 4030-W 8000 Series. Series) when selecting an | Bla G Pipi Bla A6 A8 A10 A11 A20 A22 A32 * Adap Bla N C C Pres Bla G4 | ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 2*W tor three ank 3 ssure ga ank 55P | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 the piping adaptor set 3 the piping adaptor set 4 the piping adaptor set | | • /ul> | • /ul> | | | • |
| automatic drain is same as the 6 C Refer to page 87 for max. flow 7 Pressure gauge display rang "L". 8 When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9 Output type will be NPN tran- if PNP transistor output is required 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K lote: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combination: combination. | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem isistor output. (quired. mbly attachmen Applicable C1030-W to C C1030-W to C ("P" excludes 10 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 1000 S , "V", and "K" w s specificatio the piping adap | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000 Series. Series) when selecting an ns for any other pter set. | Bla J G Pipi Bla A6 A8 A11 A20 A22 A32 * Adap Bla N C G Pres Bla G4 G4 | ank 1 ng adap ank *W *W *W 5*W 5*W 5*W 2*W tor threa ank 5 55 55 55 55 55 55 55 55 55 | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 2 d type Rc thread NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) | | • /ul> | | | | • |
| automatic drain is same as the 6 C Refer to page 87 for max. flow 7 Pressure gauge display rang "L". 8 When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9 Output type will be NPN tran- if PNP transistor output is req 9 Output type will be NPN tran- if PNP transistor output is req 9 Output type will be NPN tran- if PNP transistor output is req 9 Output type will be NPN tran- 10 Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K Note: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combination: combination. 9 11: A joiner set is attached with 9 12: If NPT is selected for the | w rate of optior ge will be 0 to 0 (enclosed). Th Rc1/8) is assem msistor output. (quired. mbly attachmen Applicable C1030-W to C ("P" excludes 10 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 § , "V", and "K" w s specificatio the piping adap "C" piping thr | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000 Series. Series) when selecting an ns for any other pter set. ead type, a NPT | Bla J © Pipi Bla A6 A8 A11 A22 A32 * Adap Bla N C (*) Pres Bla G4 G4 G4 | ank 1 ng adap ank *W *W *W 5*W 5*W 5*W 2*W tor threa ank N 3 55P 19P 19P | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set Comparison Rc thread NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G59D-8-P04) | | • /ul> | • /ul> | | | • |
| automatic drain is same as the automatic drain is same as the a 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". a 8: When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9: Output type will be NPN tran- if PNP transistor output is rec 0: Output type will be NPN tran- if PNP transistor output is rec 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K Note: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combinations combination. a 11: A joiner set is attached with a 12: If NPT is selected for the pressure gauge is enclosed | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. mbly attachmen Applicable C1030-W to C ("P" excludes 10 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 S ; "V", and "K" w is specificatio the piping ada "C" piping thr d. If Rc or G th | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000 Series. Series) when selecting an ns for any other pter set. ead type, a NPT | Bla J © Pipi Bla A6 A8 A11 A22 A32 * Adap Bla N C © Pres Bla G4 G4 G4 | ank 1 ng adap ank *W 2*W 5*W 5*W 5*W 2*W 155 155 155 155 155 155 155 15 | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set Comparison of the set 1 1/4 piping adaptor set 2 d type Rc thread NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G40D-8-P04) | | • /ul> | • /ul> | | | • |
| automatic drain is same as the 6 C Refer to page 87 for max. flow 7 Pressure gauge display rang "L". 8 When option "T6" is selected for the (H) pressure gauge sensor PPX mounting port (R 9 C Output type will be NPN tran- if PNP transistor output is required 10: Mounting location for assem Symbol Installation position of Attachment D F+M+ (D) +R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) K Hote: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combinations combination. 11: A joiner set is attached with 12: If NPT is selected for the | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. mbly attachmen Applicable C1030-W to C ("P" excludes 10 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 S ; "V", and "K" w is specificatio the piping ada "C" piping thr d. If Rc or G th | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000 Series. Series) when selecting an ns for any other pter set. ead type, a NPT | Bla G Pipi Bla A66 A88 A111 A11 A20 A22 A32 * Adap Bla C C C C Pres Bla G4 G4 G4 G5 G4 | ank 1 ng adap ank *W 2*W 5*W 5*W 5*W 2*W 155 155 155 155 155 155 155 15 | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set ad type Rc thread NPT thread G thread MPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G50D-8-P04) G50D-8-P10 (L: G50D-8-P04) | | • /ul> | • /ul> | | | • |
| automatic drain is same as the 6: Refer to page 87 for max. flow 7: Pressure gauge display rang "L". 8: When option "T6" is selected for the (H) pressure gauge is sensor PPX mounting port (R 9: Output type will be NPN transif PNP transistor output is received to for the (H) + R s or F+M+(D) + R S or F+M+R+ (S, P) P V or F+M+R+ (V, K) k lote: Indicate "U" + "D", "S", "P", assembly attachment. Use custom combination: combination. | w rate of optior ge will be 0 to 0 d, only "blank" of (enclosed). Th Rc1/8) is assem misitor output. (quired. mbly attachmen Applicable C1030-W to C ("P" excludes 10 8000 Series) C1030-W to C ("V" excludes 6000, "K" excludes 6000, "K" excludes 1000 S ; "V", and "K" w is specificatio the piping ada "C" piping thr d. If Rc or G th | or "R2" is selected e digital pressure ibled ventilated. Consult with CKD ts model 8030-W 8030-W 8000 Series. Series) when selecting an ns for any other pter set. ead type, a NPT | Bla G Pipi Bla A66 A88 A10 A11 A22 A22 A32 * Adap Bla Bla Bla G4 G4 G4 G5 G4 | ank 1 ng adap ank *W 2*W 5*W 5*W 5*W 2*W 155 155 155 155 155 155 155 15 | MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pa Not attached 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set Comparison of the set 1 1/4 piping adaptor set 2 d type Rc thread NPT thread G thread Uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G40D-8-P04) | | • /ul> | • /ul> | | | • |

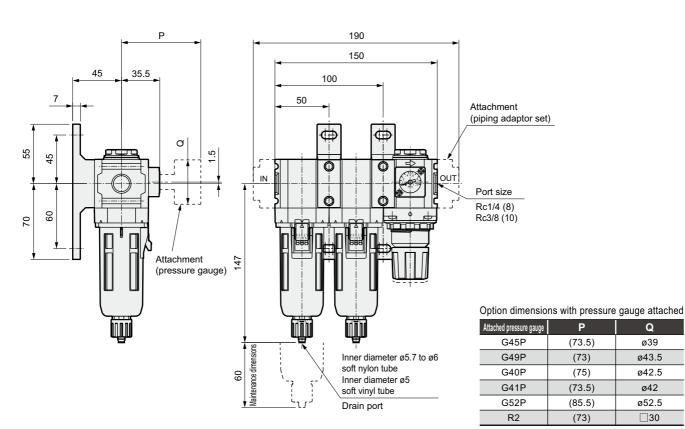
Dimensions CAD

• C1030-W



| Option dimensions | with pressure of | gauge attached |
|-------------------------|------------------|----------------|
| Attached pressure gauge | 0 | Р |
| G45P | (74) | ø39 |
| G49P | (73.5) | ø43.5 |
| G59P | (76) | ø52 |
| G40P | (75.5) | ø42.5 |
| G50P | (75.5) | ø52.5 |
| G41P | (74) | ø42 |
| G52P | (86) | ø52.5 |
| R2 | (74) | □30 |

• C2030-W



Q

ø39

ø43.5

ø42.5

ø42

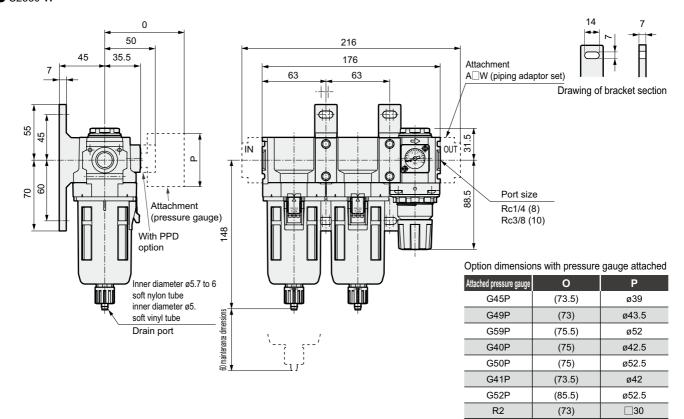
ø52.5

□30

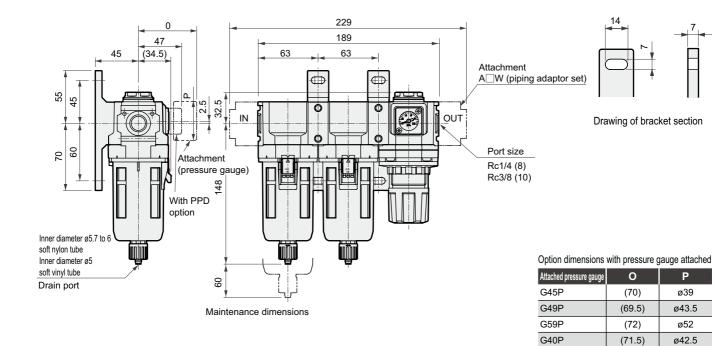
CKD 43

Dimensions

Dimensions



• C3030-W



 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

CKL

(71.5)

(70)

(82)

(69.5)

G50P

G41P

G52P

R2

ø52.5

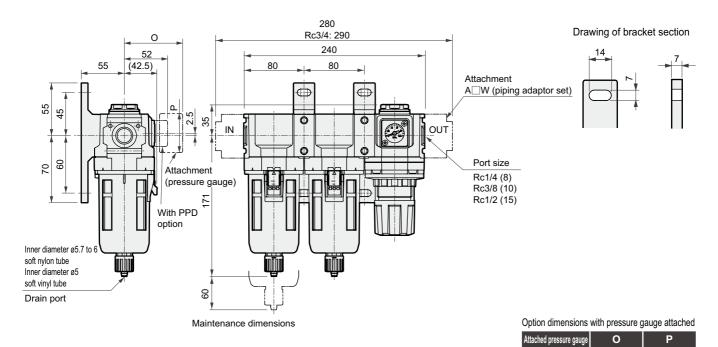
ø42

ø52.5

□30

Dimensions CAD

• C4030-W



G45P

G49P

G59P

G40P

G50P

G41P

G52P

R2

G52P

R2

(93)

(80)

ø52.5

□30

(75)

(74.5)

(77)

(76.5)

(76.5)

(75)

(86)

(75)

ø29

ø43.5

ø52

ø42.5

ø52.5

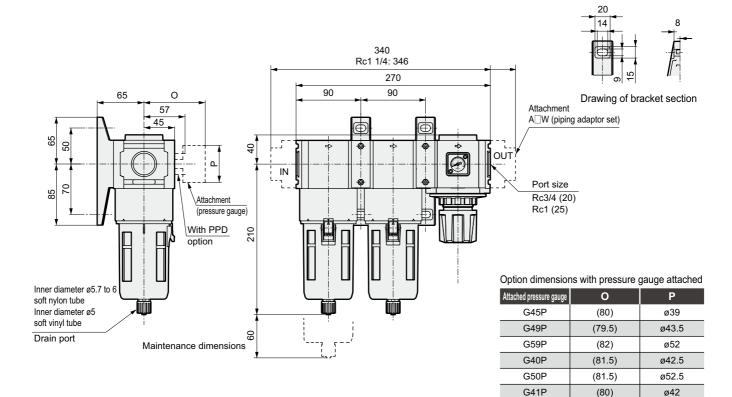
ø42

ø52.5

30

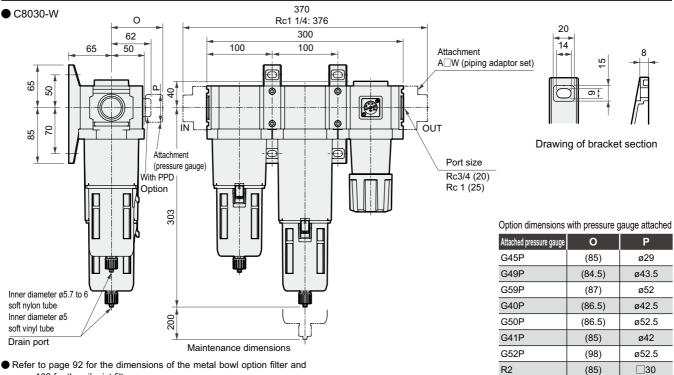
 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

• C6030-W



Dimensions with options

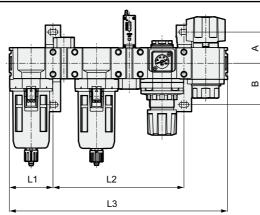
Dimensions



Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

Dimensions with options

C1030-W to C8030-W



| Model no. | Α | В |
|-----------|----|----|
| C1030-W | 35 | 45 |
| C2030-W | | |
| C2530-W | 45 | 60 |
| C3030-W | 45 | 60 |
| C4030-W | | |
| C6030-W | 50 | 70 |
| C8030-W | 50 | 70 |

| Assembled options | | D | | S (| Note | e 1) | | Ρ | | | V | | | Κ | | DS | (Not | e 1) | | DP | | | DV | | | DK | |
|---|----------------------------------|---------------------------------------|---------------------------------------|---------------------------------|-------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------|---------------------------------------|---------------------------------|----------------------------|---|---|---------------------------|---|--|---------------------------|-------------------------------------|-------------------------------|---------------------------|-------------------------------------|-------------------------------|-----------|-------|----------|
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 |
| C1030-W | 40 | 68 | 148 | 40 | 80 | 169.5 | - | - | - | 40 | 80 | 160 | - | - | - | 40 | 108 | 197.5 | - | - | - | 40 | 108 | 188 | - | - | - |
| C2030-W | 50 | 94.5 | 181.5 | 50 | 113 | 201.5 | 50 | 113 | 230 | 50 | 113 | 213 | 50 | 113 | 213 | 50 | 144.5 | 233 | 50 | 144.5 | 261.5 | 50 | 144.5 | 244.5 | 50 | 144.5 | 244.5 |
| C2530-W | 63 | 94.5 | 207.5 | 63 | 113 | 227.5 | 63 | 113 | 256 | 63 | 113 | 239 | 63 | 113 | 239 | 63 | 144.5 | 259 | 63 | 144.5 | 287.5 | 63 | 144.5 | 270.5 | 63 | 144.5 | 270.5 |
| C3030-W | 63 | 94.5 | 220.5 | 63 | 126 | 240.5 | 63 | 126 | 269 | 63 | 126 | 252 | 63 | 126 | 252 | 63 | 157.5 | 272 | 63 | 157.5 | 300.5 | 63 | 157.5 | 283.5 | 63 | 157.5 | 283.5 |
| C4030-W | 80 | 111.5 | 271.5 | 80 | 160 | 291.5 | 80 | 160 | 320 | 80 | 160 | 303 | 80 | 160 | 303 | 80 | 191.5 | 323 | 80 | 191.5 | 351.5 | 80 | 191.5 | 334.5 | 80 | 191.5 | 334.5 |
| C4030-20-W Note 1 | 100 | 111.5 | 311.5 | 100 | 160 | 311.5 | 100 | 160 | 360 | 100 | 160 | 343 | 100 | 160 | 343 | 100 | 191.5 | 343 | 100 | 191.5 | 391.5 | 100 | 191.5 | 374.5 | 100 | 191.5 | 374.5 |
| C6030-W | 90 | 140 | 320 | 90 | 180 | 355 | - | - | - | - | - | Ι | 90 | 180 | 360 | 90 | 230 | 405 | - | - | - | - | - | - | 90 | 230 | 410 |
| C8030-W | 100 | 150 | 350 | 100 | 200 | 385 | - | - | - | - | - | - | 100 | 200 | 390 | 100 | 250 | 435 | - | - | - | - | - | - | 100 | 250 | 440 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assembled options | | DSV | / | | DSK | | | DPV | | | DPK | | | sv | | | SK | | | P۷ | | | ΡK | | | | |
| Assembled options Model no. | L1 | DSV L2 | L3 | | - | L3 | L1 | DPV L2 | _ | L1 | DPK L2 | L3 | L1 | SV L2 | L3 | L1 | _ | L3 | L1 | PV L2 | L3 | L1 | | L3 | | | <u> </u> |
| | | L2 | | | - | _ | | | _ | | _ | L3 - | L1 40 | _ | L3 188 | L1 - | _ | L3 - | L1 - | | L3 - | L1 - | | L3 - | | | |
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | | _ | L1 | _ | - | | L2 108 | | | _ | - | L1 - 50 | | L3 - 293 | L1 - 50 | | L3 - 293 | | | <u> </u> |
| Model no. C1030-W | L1 40 | L2 136 | L3 216 | L1 - | L2 - | L3 - | L1 - | L2 - | L3 - 325 | L1 - | L2 - | - 325 | 40 | L2 108 144.5 | 188 | - 50 | L2 - | - 244.5 | - | L2 - | - | - | L2 - | - 293 | | | |
| Model no. C1030-W C2030-W | L1 40 50 | L2 136 176 176 | L3 216 276 | L1 - 50 | L2 - 176 176 | L3 - 276 | L1 - 50 | L2 - 225 | L3 - 325 351 | L1 - 50 | L2 - 225 | - 325 351 | 40 50 | L2 108 144.5 144.5 | 188 244.5 | - 50 63 | L2 - 144.5 144.5 | - 244.5 | - 50 63 | L2 - 193 | - 293 | - 50 | L2 - 193 | - 293 319 | | | <u> </u> |
| Model no. C1030-W C2030-W C2530-W | L1 40 50 63 | L2 136 176 176 | L3 216 276 302 | L1 - 50 63 | L2 - 176 176 | L3 - 276 302 | L1 - 50 63 63 | L2 - 225 225 | L3 - 325 351 364 | L1 - 50 63 | L2 - 225 225 | - 325 351 364 | 40 50 63 63 | L2 108 144.5 144.5 157.5 | 188 244.5 270.5 | - 50 63 | L2 - 144.5 144.5 | - 244.5 270.5 283.5 | - 50 63 | L2 - 193 193 | - 293 319 | - 50 63 | L2 - 193 193 | - 293 319 332 | | | |
| Model no. C1030-W C2030-W C2530-W C3030-W | L1 40 50 63 63 | L2 136 176 176 189 | L3 216 276 302 315 | L1 - 50 63 63 | L2 - 176 176 189 | L3 - 276 302 315 | L1 - 50 63 63 80 | L2 - 225 225 238 271.5 | L3 - 325 351 364 | L1 - 50 63 63 80 | L2 - 225 225 238 | - 325 351 364 414.5 | 40 50 63 63 80 | L2 108 144.5 144.5 157.5 191.5 | 188 244.5 270.5 283.5 | - 50 63 63 80 | L2 - 144.5 144.5 157.5 191.5 | - 244.5 270.5 283.5 | - 50 63 63 80 | L2 - 193 193 206 240 | - 293 319 332 | - 50 63 63 | L2 - 193 193 206 240 | - 293 319 332 | | | |
| Model no. C1030-W C2030-W C2530-W C3030-W C4030-W | L1 40 50 63 63 80 | L2 136 176 176 189 223 | L3 216 276 302 315 366 | L1 - 50 63 63 80 | L2 - 176 176 189 223 | L3 - 276 302 315 366 | L1 - 50 63 63 80 | L2 - 225 225 238 271.5 | L3 - 325 351 364 414.5 | L1 - 50 63 63 80 | L2 - 225 225 238 271.5 | - 325 351 364 414.5 | 40 50 63 63 80 | L2 108 144.5 144.5 157.5 191.5 | 188 244.5 270.5 283.5 334.5 | - 50 63 63 80 | L2 - 144.5 144.5 157.5 191.5 | - 244.5 270.5 283.5 334.5 374.5 | - 50 63 63 80 | L2 - 193 193 206 240 | - 293 319 332 383 | - 50 63 63 80 | L2 - 193 193 206 240 | - 293 319 332 383 | | | |

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

*Refer to the general catalog for the detailed dimentions of the mounting hole of the bracket. Note 1. The piping adapter is assembled on the OUT side.

Piping adaptor A400-20-W is assembled on both ends of C4030-20-W.



W.M. combination standard white series C1040/C2040/C3040/C4040/C8040-W Series

Integrated filter, oil mist filter, and regulator Port size: 1/8 to 1





Specifications

| | Descriptions | C1040-W | C2040-W | C3040-W | C4040-W | C8040-W | | | | | | | |
|-----------------------------|--|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------|--|--|--|--|--|--|--|
| Exterior Filterregulator | | | | | | | | | | | | | |
| Componente | Filterregulator | W1000-W | W2000-W | W3000-W | W4000-W | W8000-W | | | | | | | |
| Componenta | Oil mist filter | M1000-W | M2000-W | M3000-W | M4000-W | M8000-W | | | | | | | |
| | ing fluid | | | Compressed air | | | | | | | | | |
| | vorking pressure MPa | | 1 | | | | | | | | | | |
| Withsta | anding pressure MPa | | 1.5 | | | | | | | | | | |
| | t temperature range °C | | | 5 to 60 | | Note 6 | | | | | | | |
| <u> </u> | essure range MPa | 0.1 to 0.85 Note 5 | | | Note 3, Note 4 | | | | | | | | |
| Relief | | | | With relief mechanism | | | | | | | | | |
| Port s | size Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | | | | | | |
| Produ | uct weight kg | 0.31 | 0.74 | 0.97 | 1.52 | 3.52 | | | | | | | |
| Secon | dary oil concentration | | | 0.01mg/m ³ or less | | | | | | | | | |
| Maximur | m flow rate (Note 1) m ³ /min | 0.15 | 0.25 | 0.36 | 0.825 | 2.6 | | | | | | | |

Note 1: Max flow is measured at regulator setting of 0.7MPa. When element option "Y" is selected, refer to page 87 for maximum flow.

Note 2: Refer to page 95 for details on other oil mist filters.

Note 3: When "F" with an automatic drain is selected, the supply air pressure is 0.2 MPa or more. Minimum pressure setting is 0.15MPa. Automatic drain for the filter reglator will operate from supplied air pressure of 0.1MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 4: When "F" with an automatic drain is selected, the supply air pressure is 0.2 MPa or more. Minimum pressure setting is 0.15MPa.

Note 5: When "F1" with an automatic drain is selected for the C1040-W series, minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 87) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

Note 6: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

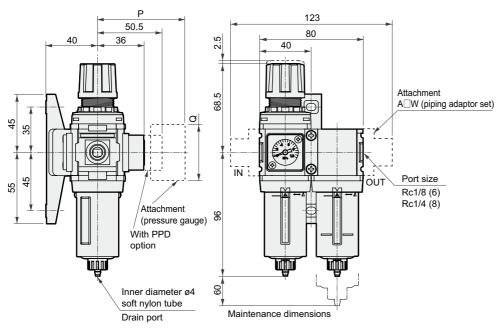
How to order

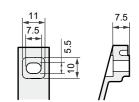
| C1040)-(6) - W - (F | | | * Re | efer page 9 for an explanation | | | | | |
|--|---|---|---|--|---|---|---|---|----|
| | | \mathbb{N} | | the options. | | _ | ode | | |
| | | \sim | •- | | C 1 0 | C 2 0 | C 3 0 | C 4 0 | |
| | | | | sure gauge option (attached) | 4 | 4 | 4 | 4 0 | |
| Madal na | | Syr B Por | nbol | Descriptions | Ľ | Ū | Ŭ | • | Ľ |
| Model no. Port size | | | i size 6 | 1/8 | | | | _ | - |
| | | | B | 1/4 | • | • | • | • | t |
| | | 1 | 0 | 3/8 | | • | • | ٠ | |
| | | | 5 | 1/2 | | | | • | L |
| | | | :0 :5 | 3/4 | | | | ● Note 1 | |
| | | | t thread | | | | | Net | |
| Port thread | d type | | ank | Rc thread | | • | | | e |
| | | | N | NPT thread | • | • | • | • | • |
| | | | 3 | G thread | • | • | • | ullet | |
| l | Option | 🕒 Opt | ion | | Ţ | | | Not | e |
| , | Option | | Blank | With manual drain cock | • | • | • | • | L |
| | | Drainage | F F1 | Automatic drain with manual override (NO type: exhausts without pressurization) Automatic drain with manual override (NC type: no exhaust without pressurization) | | • | • | - | |
| | | Note 4, Note 5 | FF | Large exhaust automatic drain with manual override (NO type: no exhaust without pressurization) | | - | - | - | |
| | | L | FF1 | Large exhaust automatic drain with manual override (NO type: no exhaust without pressurization) |) | | | | |
| - | | | Blank | Polycarbonate bowl | • | • | \bullet | • | |
| (B Ass | sembly attachment | Bowl | z | Nylon bowl | • | • | | • | ļ |
| | | material | M M1 | Metal bowl Metal bowl with manual drain cock | | | | - | H |
| | Displayed unit | | Blank | 5µm | • | • | • | • | t |
| | | Element | Y | 0.3µm (submicron) Note 6 | | - | • | • | • |
| | Piping adapt | or Differential | Blank | Without differential pressure detection port | t 🔸 | • | \bullet | ٠ | • |
| | set (included | <i>'</i> | Q | With differential pressure detection port (Rc1/4) |) | | | | Ľ |
| Cautions for model I | No. selection | Pressure | Blank | 0.05 to 0.85MPa | | • | • | - | Ľ |
| — | | Range | L Blank | 0.05 to 0.35MPa Note 7 With relief mechanism | | • | • | - | H |
| ote 1: Piping adaptor A400-20*-W is C4030-20*-W. Piping adaptor s | | Relief | N | Non-relief type | • | • | • | • | |
| be specified. | | | Blank | Standard pressure gauge (G401-W) | • | • | • | ٠ | • |
| lote 2: G threads and NPT threads are | e available for IN, OUT, gauge | Pressure | т | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | | • | • | ullet | • |
| port and drain discharge port | • | gauge | T8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open | - | • | • | • | - |
| drain). Attachment P, V will be s lote 3: Select options from drain exha | - | | T6 R1 | Compatibility with digital pressure sensor PPX Note 8 | + | • | • | - | |
| differential pressure detection, r | | Flow | Blank | Pressure switch with display PPD assembled Note 9 Standard flow (left to right) | | • | • | - | H |
| selecting options for several ite | ems, list options in order from | Direction | | | - | - | - | | + |
| the top. | | Direction | X1 | Reverse flow (right to left) | | | | • | |
| lote 4. Refer to name 12 for working | conditions of the automatic | | | Reverse flow (right to left) ttachment Pages 13 | • 37 to | • 14 | ● 8, 15 | • 53, * | 15 |
| drain. | | E Ass Bla | embly a ank | ttachment Pages 13 Without assembly attachment | | • 14 | ● 8, 15 | • 53, * | 15 |
| drain. ote 5: When option symbol "F" is sele | ected, the NO automatic drain | E Ass Bla | embly a ank J | ttachment Pages 13 Without assembly attachment Assembly attachment type | • | • 14 • | 8, 15 0 | • 53, * • | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulato | ected, the NO automatic drain or and the NC automatic drain | E Ass Bla | embly a ank J S | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Note 10-W) | • | ٠ | 8, 15 0 0 0 | • 53, * • • | 15 |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is | E Ass Bla | embly a ank J | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) | • | ٠ | 8, 15 4 <l< td=""><td>• 53, * • • •</td><td></td></l<> | • 53, * • • • | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulato | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the | E Ass Bla | embly a ank J S P | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Note 10-W) | | ٠ | 8, 15 0 <l< td=""><td>•</td><td></td></l<> | • | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter bu | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a | Bla Bla Vassempled | embly a ank J S P V | ttachment Pages 13 Without assembly attachment Assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | | • • • • | • • • • | • • • • | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist reg large drain type oil mist filter bu as the NC type. | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same | Bla Bla V V V S S S S S S S S S S S S S S S S | embly a ank J S P V K | ttachment Pages 13 Without assembly attachment Assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) | | • • • • | • • • • | • • • • | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist reg large drain type oil mist filter bu as the NC type. lote 6: Refer to page 87 for max. flow r | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". | Ass Bla V V V V V V V V V V V V V V V V V V V | embly a ank J P V K played u ank | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread | | | | • •< | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist reg large drain type oil mist filter bu as the NC type. lote 6: Refer to page 87 for max. flow r lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, of | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected | Ass Bla Bla Seempled Se | embly a ank J P V K olayed u ank 1 ng adap | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) nit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages | | | | • •< | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter bu as the NC type. lote 6: Refer to page 87 for max. flow r lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, of for the (H) pressure gauge (en | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure | Ass Bla Bla See Bla Bla G Pipi Bla Bla See | embly a ank J S P V K olayed u ank 1 ng adap | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages 10 Not attached | | | | • •< | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. lote 6: Refer to page 87 for max. flow r. lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, on for the (H) pressure gauge (en sensor PPX mounting port (Rc1 | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure I/8) is assembled ventilated. | Ass Bla Page Page Bla Bla Bla A6 | embly a ank J S V K blayed u ank 1 ng adap ank *W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Image: the state of the st | | | | • •< | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter but as the NC type. lote 6: Refer to page 87 for max. flow re lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, ou for the (H) pressure gauge (en sensor PPX mounting port (Rc1 lote 9: Output type will be NPN transis if PNP transistor output is requir | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected closed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. | Ass Bla Page Page Bla Bla Ass Ass Ass Ass Ass Bla Ass Ass Ass Bla Ass Ass Ass Bla Ass Ass Ass Ass Ass Ass Ass As | embly a ank J S P V K olayed u ank 1 ng adap | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mit MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages 10 Not attached | | | • •< | • /ul> | |
| drain. lote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. lote 6: Refer to page 87 for max. flow re- lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, on for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 lote 9: Output type will be NPN transis- if PNP transistor output is requir- lote 10: Mounting location for assembly | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments | Ass Bla Bla Bla Bla Bla A6 A8 A10 A11 | embly a ank J S P V K blayed u ank 1 ng adap ank *W *W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Image: state | • • | | • •< | • /ul> | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter but as the NC type. ote 6: Refer to page 87 for max. flow re ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, ou for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the pulator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments it Applicable model | Ass Bla Bla Bla Bla Bla Bla A66 A88 A10 A11 A20 | embly a ank J S P V K blayed u ank 1 ng adap ank *W *W 5*W D*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) Image: state | • • | | • •< | • •< | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter bu as the NC type. ote 6: Refer to page 87 for max. flow r ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, on for the (H) pressure gauge (en sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir ote 10: Mounting location for assembly Symbol Installation position of attachmen | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments nt Applicable model C1040-W to C8040-W | Ass Bla Dep Dep Dep Dep Des Des Des Des Des Des Des Des | embly a ank J S P V K blayed u ank 1 ng adap ank *W 5*W 5*W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages 1000000000000000000000000000000000000 | • • | | • •< | • •< | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter bu as the NC type. ote 6: Refer to page 87 for max. flow r ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, on for the (H) pressure gauge (en sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir ote 10: Mounting location for assembly | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the pulator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". only "blank" or "R2" is selected inclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments it Applicable model | Ass Bla Bla Bla Bla Bla Bla Ass Ass Bla Bla Ass Ass Bla Bla Ass Ass Ass Ass Ass Ass Ass As | embly a ank J S P V K blayed u ank 1 ng adap ank *W 5*W 5*W 5*W 5*W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mt MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages 1 Not attached 1/8 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 piping adaptor set | • • | | • •< | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 153, 7 0 0 0 | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. ote 6: Refer to page 87 for max. flow r. ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, on for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir ote 10: Mounting location for assembly Symbol Installation position of attachmen | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments nt <u>Applicable model</u> C1040-W to C8040-W ("P" excludes 1000 and | Ass Bla Bla Bla Bla Bla Bla Ass Ass Ass Bla Bla Ass Ass Ass Bla Ass Ass Ass Ass Ass Ass Ass As | embly a ank J S P V K blayed u ank 1 ng adap ank *W 5*W 5*W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mt MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages 1 Not attached 1/8 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 piping adaptor set | • • | | • •< | • •< | |
| drain. bte 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. bte 6: Refer to page 87 for max. flow re- ote 7: Pressure gauge display range will bte 8: When option "T6" is selected, on for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 bte 9: Output type will be NPN transis- if PNP transistor output is requir- ote 10: Mounting location for assembly Symbol Installation position of attachmen | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It Applicable model C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) C1040-W to C8010-W ("V" excludes 8000 Series. | Ass Bla Bla Bla Bla Bla Bla A6 A8 A11 A12 A22 A32 * Adap Bla A11 A12 A22 A32 | embly a ank J S P V K blayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1 1/4 piping adaptor set 1/4 piping adaptor set 1 1/4 piping adaptor set 1/4 piping adaptor set 1 1/4 piping adaptor set 1 NPT thread | • • | | • •< | • •< | |
| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. ote 6: Refer to page 87 for max. flow re- ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, our for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir ote 10: Mounting location for assembly Symbol Installation position of attachment S or P W+ (S, P) +M V or K W+M+ (V, K) | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It Applicable model C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) C1040-W to C8010-W ("V" excludes 1000 Series. "K" excludes 1000 Series) | Ass Bla Bla Bla Bla Bla Bla A6 A8 A11 A12 A22 A32 * Adap Bla A11 A12 A22 A32 | embly a ank J S P V K blayed u ank 1 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1 µping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set A type Rc thread | • • | | • •< | • •< | |
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| drain. ote 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. ote 6: Refer to page 87 for max. flow rr ote 7: Pressure gauge display range will ote 8: When option "T6" is selected, or for the (H) pressure gauge (en sensor PPX mounting port (Rc1 ote 9: Output type will be NPN transis if PNP transistor output is requir ote 10: Mounting location for assembly Symbol Installation position of attachment S or P W+ (S, P) +M V or K W+M+ (V, K) Note: Indicate "U" + "D", "S", "P", "V | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a ut the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments <u>Applicable model</u> C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) C1040-W to C8010-W ("V" excludes 8000 Series. "K" excludes 1000 Series) /", and "K" when selecting an | Ass Bla Bla Bla Bla Bla Bla A66 A88 A10 A11 A22 A32 * Adap Bla C Pre Bla C C Pipt | embly a ank J S P V K blayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/4 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1 piping adaptor set 1 fiping adaptor set 3/4 piping adaptor set 1 fiping adaptor set 1 fiping | | • /ul> | 57 N | | |
| drain. lote 5: When option symbol "F" is selecis enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu- as the NC type. lote 6: Refer to page 87 for max. flow r- lote 7: Pressure gauge display range will lote 8: When option "T6" is selected, or for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 lote 9: Output type will be NPN transis if PNP transistor output is requiri- lote 10: Mounting location for assembly. Symbol Installation position of attachment S or P W+ (S, P) +M V or K W+M+ (V, K) Note: Indicate "U" + "D", "S", "P", "V assembly attachment. Use custom combinations s combination. lote 11: A joiner set is attached with the | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the pulator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It <u>Applicable model</u> C1040-W to C8040-W ("P" excludes 1000 and <u>8000 Series)</u> C1040-W to C8010-W ("V" excludes 8000 Series. "K" excludes 1000 Series) /", and "K" when selecting an specifications for any other e piping adapter set. | Ass Bla Bla Bla Bla Bla Bla A66 A88 A10 A11 A12 A22 A33 * Adap Bla C Pre Bla C C Pipt | embly a ank J S P V K blayed u ank 1 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/4 piping adaptor set 1/4 piping adaptor set 3/4 piping adaptor set 1 /1/2 piping adaptor set 1 1/4 piping adaptor set 1 /1/2 piping adaptor set 1 1/4 piping adaptor set 1 MPa display, C thread G thread | | • /ul> | 57 N | | |
| drain. Note 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu- as the NC type. Note 6: Refer to page 87 for max. flow re- Note 7: Pressure gauge display range will Note 8: When option "T6" is selected, on for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 Note 9: Output type will be NPN transis if PNP transistor output is require Note 10: Mounting location for assembly Symbol Installation position of attachment S or P W+ (S, P) +M V or K W+M+ (V, K) Note: Indicate "U" + "D", "S", "P", "V assembly attachment. Use custom combinations s combination. Note 11: A joiner set is attached with the Note 12: If NPT is selected for the "C | acted, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It <u>Applicable model</u> C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) C1040-W to C8010-W ("V" excludes 8000 Series. "K" excludes 1000 Series) /", and "K" when selecting an specifications for any other e piping adapter set. "" piping thread type, a NPT | Ass Bla Bla Bla Bla Bla Bla A66 A88 A11 A12 A22 A33 * Adap Bla C C Prev Bla C C C C C C C C C C C C C | embly a ank J S V K blayed u ank 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) MPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/4 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1 piping adaptor set 1 fiping adaptor set 3/4 piping adaptor set 1 fiping adaptor set 1 fiping | | • /ul> | 57 N | | |
| drain. Note 5: When option symbol "F" is sele is enclosed for the filter regulato is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regu- large drain type oil mist filter bu as the NC type. Note 6: Refer to page 87 for max. flow r Note 7: Pressure gauge display range will selected, on for the (H) pressure gauge (en- sensor PPX mounting port (Rc1 Note 9: Output type will be NPN transis if PNP transistor output is requir Note 10: Mounting location for assembly Symbol Installation position of attachmen S or P W+ (S, P) +M V or K W+M+ (V, K) Note: Indicate "U" + "D", "S", "P", "V assembly attachment. Use custom combinations s combination. Note 11: A joiner set is attached with the Note 12: If NPT is selected for the "C pressure gauge is enclosed. I | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It <u>Applicable model</u> [C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) [C1040-W to C8010-W ("V" excludes 8000 Series. "K" excludes 1000 Series] /", and "K" when selecting an specifications for any other e piping adapter set. "" piping thread type, a NPT If Rc or G thread is selected, | Ass Bla Bla Bla Bla Bla Bla Ass Bla Bla Ass Bla Ass Bla Ass Bla Ass Bla Ass Bla Ass Bla Ass Bla Bla Ass Ass Bla Bla Ass Ass Ass Ass Ass Ass Ass As | embly a ank J S P V K blayed u ank 1 1 ng adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | ttachment Pages 13 Without assembly attachment Assembly attachment type Note 10 Pressure switch (P1100-W, 4100-W, 8100-W) Pressure switch (P4000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve (V1000-W, V3000-W) Shut-off valve with key hole (V3010-W, V6010-W) mPa display, Rc thread MPa display, Rc thread MPa display, NPT, G thread tor set (included) Pages Not attached 1/8 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 /2 piping adaptor set 1 /4 piping adaptor set 1 /1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 formead NPT thread G thread uge option (attached) Not attached G45D-8-P10 (L: G45D-8-P04) G59D-8-P10 (L: G59D-8-P04) | | | 57 N | | |
| Note 5: When option symbol "F" is sele is enclosed for the filter regulator is enclosed for the oil mist filter selected, the NC automatic dr filter regulator and oil mist regularge drain type oil mist filter bu as the NC type. Note 6: Refer to page 87 for max. flow regulator Note 6: Pressure gauge display range will Note 8: When option "T6" is selected, on for the (H) pressure gauge (ensensor PPX mounting port (Rc1 Note 9: Output type will be NPN transist if PNP transistor output is requir Note 10: Mounting location for assembly Sor P W+ (S, P) +M V or K W+M+ (V, K) Note: Indicate "U" + "D", "S", "P", "V assembly attachment. Use custom combinations s combination. Note 11: A joiner set is attached with the | ected, the NO automatic drain or and the NC automatic drain r. When option symbol "F1" is rain is enclosed for both the julator. "FF" and "FF1" has a it the automatic drain is same rate of option "Y". Il be 0 to 0.4 MPa for option "L". Inly "blank" or "R2" is selected nclosed). The digital pressure I/8) is assembled ventilated. stor output. Consult with CKD red. y attachments It <u>Applicable model</u> [C1040-W to C8040-W ("P" excludes 1000 and 8000 Series) [C1040-W to C8010-W ("V" excludes 8000 Series. "K" excludes 1000 Series] /", and "K" when selecting an specifications for any other e piping adapter set. "" piping thread type, a NPT If Rc or G thread is selected, | Ass Bla Bla Bla Bla Bla Bla A66 A88 A11 A12 A22 A33 * Adap Bla C Pipi Bla A66 A88 A11 A12 A22 A33 * Adap Bla C C C C C C C C C C C C C C C C C C C | embly a ank J S P V K blayed u ank 1 ng adap ank * W * W 5 W 5 W 5 W 5 W 5 W 5 W 5 W 5 W | ttachmentPages 13Without assembly attachmentAssembly attachment typeNote 10Pressure switch (P1100-V, 4100-W, 8100-W)Shut-off valve (V1000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve (V1000-W, V3000-W)Shut-off valve with key hole (V3010-W, V6010-W)nitMPa display, Rc threadMPa display, Rc threadMPa display, NPT, G threadtor set (included)PagesNot attached1/8 piping adaptor set3/8 piping adaptor set1/2 piping adaptor set3/4 piping adaptor set1 piping adaptor set1 1/4 piping adaptor setad typeRc threadNPT threadG threaduge option (attached)Not attachedG45D-8-P10 (L: G45D-8-P04)G59D-8-P10 (L: G40D-8-P04)G40D-8-P10 (L: G40D-8-P04) | | | 57 N | | |

CKD

Dimensions CAD

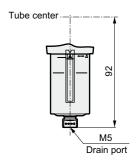
• C1040-W





Drawing of bracket section

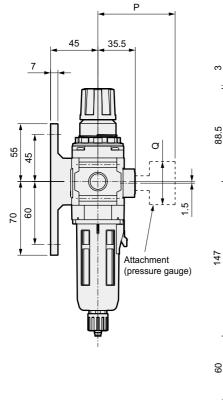
Option dimensions
 With automatic drain (F1)

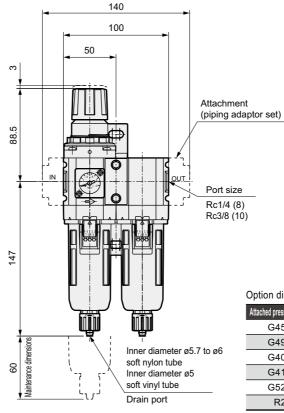


Option dimensions with pressure gauge attached

| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (74) | ø39 |
| G49P | (73.5) | ø43.5 |
| G59P | (76) | ø52 |
| G40P | (75.5) | ø42.5 |
| G50P | (75.5) | ø52.5 |
| G41P | (74) | ø42 |
| G52P | (86) | ø52.5 |
| R2 | (74) | □30 |

• C2040-W



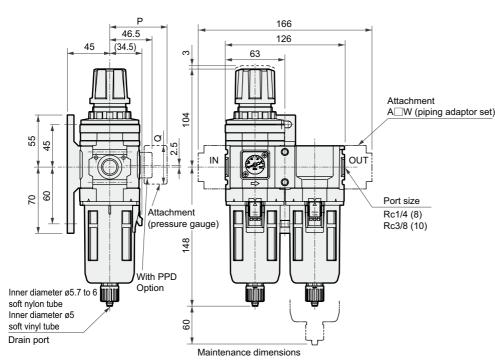


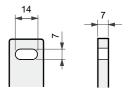
| Р | Q |
|--------|----------------------------------|
| (73.5) | ø39 |
| (73) | ø43.5 |
| (75) | ø42.5 |
| (73.5) | ø42 |
| (85.5) | ø52.5 |
| (73) | □30 |
| | (73) (75) (73.5) (85.5) |

Dimensions

Dimensions CAD

• C3040-W





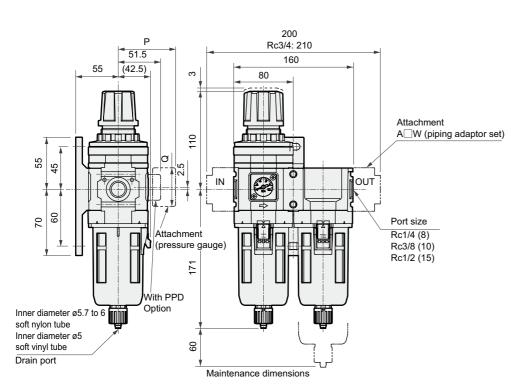
Drawing of bracket section

Option dimensions with pressure gauge attached

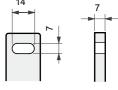
| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (70) | ø39 |
| G49P | (69.5) | ø43.5 |
| G59P | (72) | ø52 |
| G40P | (71.5) | ø42.5 |
| G50P | (71.5) | ø52.5 |
| G41P | (70) | ø42 |
| G52P | (82) | ø52.5 |
| R2 | (69.5) | □30 |

Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 102 for the oil mist filter.

• C4040-W



Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 102 for the oil mist filter.



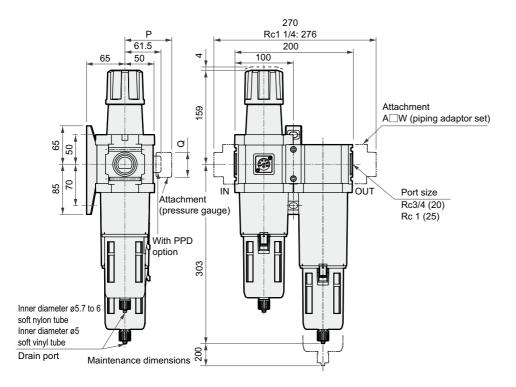
Drawing of bracket section

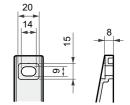
| Option dimensions | with pressure g | gauge attached |
|-------------------------|-----------------|----------------|
| Attached pressure gauge | Р | G |

| Attached pressure gauge | Р | Q | | | | |
|---|--------|-------|---|--|--|--|
| G45P | (75) | ø39 | | | | |
| G49P | (74.5) | ø43.5 | | | | |
| G59P | (77) | ø52 | | | | |
| G40P | (76.5) | ø42.5 | | | | |
| G50P | (76.5) | ø52.5 | | | | |
| G41P | (75) | ø42 | | | | |
| G52P | (86) | ø52.5 | _ | | | |
| R2 | (75) | □30 | | | | |
| G45P (75) ø39 G49P (74.5) ø43.5 G59P (77) ø52 G40P (76.5) ø42.5 G50P (76.5) ø52.5 G41P (75) ø42 G52P (86) ø52.5 | | | | | | |

Dimensions CAD

• C8040-W





Drawing of bracket section

| Ontion | dimensions | with | pressure | naune | attached |
|--------|----------------|-------|----------|-------|-----------|
| Option | UIIIICIISIUIIS | WILII | piessuie | yauye | allaciicu |

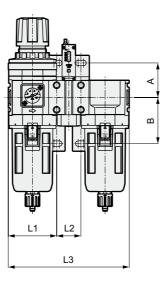
| Attached pressure gauge | Р | Q |
|-------------------------|--------|-------|
| G45P | (85) | ø39 |
| G49P | (84.5) | ø43.5 |
| G59P | (87) | ø52 |
| G40P | (86.5) | ø42.5 |
| G50P | (86.5) | ø52.5 |
| G41P | (85) | ø42 |
| G52P | (98) | ø52.5 |
| R2 | (85) | □30 |

Refer to page 75 for the dimensions of the metal bowl option filter/ regulator and page 102 for the oil mist filter.

Dimensions with options

Dimensions with options

• C1040-W to C8040-W



| Model no. | Α | В |
|-----------|----|----|
| C1040-W | 35 | 45 |
| C2040-W | | |
| C3040-W | 45 | 60 |
| C4040-W | | |
| C8040-W | 50 | 70 |

| Assembled options | | S | | Р | | V | | К | | sv | | SK | | | PV | | | РК | | | | | | |
|-------------------|-----|------|-------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|
| Model no. | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 | L1 | L2 | L3 |
| C1040-W | 40 | 28 | 108 | - | - | - | 40 | 40 | 120 | - | - | - | 40 | 68 | 148 | - | - | - | - | - | - | - | - | - |
| C2040-W | 50 | 31.5 | 131.5 | 50 | 80 | 180 | 50 | 63 | 163 | 50 | 63 | 163 | 50 | 81.5 | 194.5 | 50 | 81.5 | 194.5 | 50 | 130 | 243 | 50 | 130 | 243 |
| C3040-W | 63 | 31.5 | 157.5 | 63 | 80 | 206 | 63 | 63 | 189 | 63 | 63 | 189 | 63 | 94.5 | 220.5 | 63 | 94.5 | 220.5 | 63 | 143 | 269 | 63 | 143 | 269 |
| C4040-W | 80 | 31.5 | 191.5 | 80 | 80 | 240 | 80 | 80 | 223 | 80 | 80 | 223 | 80 | 111.5 | 254.5 | 80 | 111.5 | 254.5 | 80 | 160 | 320 | 80 | 160 | 320 |
| C4040-20-W Note 1 | 100 | 31.5 | 231.5 | 100 | 80 | 280 | 100 | 100 | 263 | 100 | 100 | 263 | 100 | 111.5 | 294.5 | 100 | 111.5 | 294.5 | 100 | 160 | 343 | 100 | 160 | 343 |
| C8040-W | 100 | 50 | 250 | - | - | - | - | - | - | 100 | 100 | 290 | - | - | - | 100 | 150 | 340 | - | - | - | - | - | - |

L1: Dimensions from the IN edge to center of the T-type bracket mounting hole

L2: Spacing dimensions of the mounting hole from the first T-type bracket to the second T-type bracket

L3: Dimensions from the IN edge to the OUT edge

*Refer to the general catalog for the detailed dimentions of the mounting hole of the bracket.

Note 1 The piping adapter is assembled on the OUT side.

Piping adaptor A400-20-W is assembled on both ends of C4040-20-W.



R.M. combination standard white series C1050/C2050/C2550 C3050/C4050/C6050/C8050-W Series

Integrated regulator and oil mist filter

Port size: 1/8 to 1





Specifications

| Descriptions | C1050-W | C2050-W | C2550-W | C3050-W | C4050-W | C6050-W | C8050-W |
|--|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|-------------------------|-------------------------|
| Exterior | | | | | | | |
| Components | R1000-W | R2000-W | R2000-W | R3000-W | R4000-W | R6000-W | R8000-W |
| Oil mist filter | M1000-W | M2000-W | M3000-W | M3000-W | M4000-W | M6000-W | M8000-W |
| Working fluid | | | | Compressed air | | | |
| Max. working pressure MPa | | | | 1.0 | | | |
| Withstanding pressure MPa | | | | 1.5 | | | |
| Ambient temperature range °C | | | | 5 to 60 | | | |
| Set pressure range MPa | 0.1 to 0.85 Note 4 | | | 0.1 to 0.8 | 5 Note 3 | | |
| Relief | | | Wi | th relief mechani | sm | | |
| Port size Rc, NPT, G | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 |
| | (3/8 uses an adaptor) | (1/2 uses an adaptor) | (1/2 uses an adaptor) | (1/2 uses an adaptor) | (3/4 uses an adaptor) | (1 1/4 uses an adaptor) | (1 1/4 uses an adaptor) |
| Product weight kg | 0.29 | 0.65 | 0.66 | 0.82 | 1.32 | 2.12 | 3.12 |
| Secondary oil concentration | | | (|).01mg/m ³ or les | S | | |
| Maximum flow rate (Note 1) m ³ /min | 0.15 | 0.25 | 0.38 | 0.36 | 0.825 | 1.27 | 2.6 |

Note 1: Max flow is measured at regulator setting of 0.7MPa.

Note 2: Refer to page 95 for details on other oil mist filters.

Note 3: The supply air pressure is 0.2 MPa or more with a minimum setting pressure of 0.15 MPa.

Note 4: When "F1" with an automatic drain is selected for the C1050-W series, minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum processing flow table (page 97) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

Note 5: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50° C.

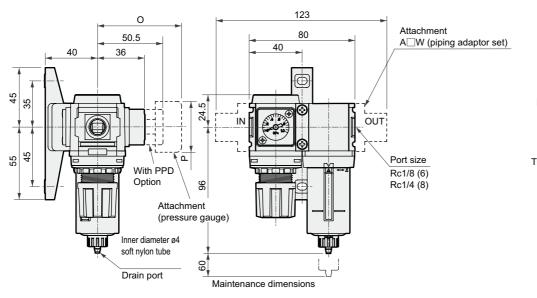
How to order

| ow to order | | | | | | | | el no | |
|--|--------------------|------------|--|-----------------------|------------------|-----------|-----------|-------------|----------------|
| | \ \ | | Refer page 9 for an explanation of | | C | C | C 3 | C 4 0 | C 6 0 |
| ;1050)-(6)(_)- W -(L)-(_)-(A6W)(|) | | the options. | C 1 0 5 0 | C 2 0 5 | 25 | 0 | 0 | Ö |
| \top \uparrow \uparrow \uparrow \uparrow \uparrow \top \top | | | | 0 | 0 | 5 0 | 5 0 | 5 0 | 5 0 |
| | Syn | nbol | Descriptions | | | | | | |
| | B Port | size | | | | | | | |
| Aodel no. BPort size | (| 6 | 1/8 | | | | | | |
| | 8 | B | 1/4 | • | | • | • | \bullet | |
| | 1 | 0 | 3/8 | | | • | • | \bullet | |
| | 1 | 5 | 1/2 | | | | | \bullet | |
| | 2 | 0 | 3/4 | | | | | ●Nee 1 | |
| | 2 | 5 | 1 | | | | | | \bullet |
| | C Port | thread t | уре | | | | | | Not |
| Port thread type | Bla | ank | Rc thread | | \bullet | \bullet | \bullet | | \bullet |
| | 1 | N | NPT thread | \bullet | \bullet | \bullet | \bullet | ullet | ullet |
| | | 3 | G thread | \bullet | \bullet | \bullet | \bullet | \bullet | \bullet |
| | D Opti | ion | | | | | | | Not |
| Option | Drainage | 1 | With filter and manual drain cock | • | • | • | • | | • |
| | Note 4 | F1 | Automatic drain with manual override (NC type: no exhaust without pressurization) | • | ullet | ullet | ullet | ullet | ullet |
| | | Blank | Polycarbonate bowl | • | ullet | ullet | \bullet | ullet | ullet |
| | Bowl | Z | Nylon bowl | ٠ | ullet | ullet | ullet | ullet | ullet |
| | material | м | Metal bowl | | | ullet | ullet | ullet | ullet |
| | | M1 | Metal bowl with manual drain cock | | • | \bullet | \bullet | \bullet | \bullet |
| | Differential | Blank | Without differential pressure detection port | - | • | • | • | ullet | \bullet |
| | pressure detection | | With differential pressure detection port (Rc1/4) | | | | | | \bullet |
| | Pressure | Blank | 0.05 to 0.85MPa | • | • | • | • | • | • |
| | Range | L | 0.05 to 0.35MPa Note 5 | • | • | • | • | • | • |
| | Relief | Blank | With relief mechanism | • | • | • | • | • | • |
| | | N | Non-relief type | | • | | • | • | • |
| | | Blank | Standard pressure gauge (G401-W) | | | | • | • | • |
| | Pressure | T | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | • | | | • | | • |
| | gauge | T8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | • | | | | | • |
| | | T6 R1 | Compatibility with digital pressure sensor PPX Note 6 | | • | | | | |
| | Flow | Blank | Pressure switch with display PPD assembled Note 7 Standard flow (left to right) | • | • | | | | |
| | Direction | | Reverse flow (right to left) | • | | | | | |
| | | | | | | | | | |
| Displayed unit | | played ur | | | | | | | |
| I I | | ank | MPa display, Rc thread | | | | | | • |
| Piping adaptor set (included) | J | | MPa display, NPT, G thread | | | | | | |
| | | | | Pag | jes ' | 155 | to 1 | 57 | Not |
| GPressure gauge option (attached) | · · | ank | Not attached | | | | | • | |
| Cautions for model No. selection | A6 | | 1/8 piping adaptor set | | - | - | | | |
| e 1: Piping adaptor A400-20*-W is assembled on both ends | | *W | 1/4 piping adaptor set | | | | | • | |
| of C4050-20*-W. Piping adaptor set "A20*W" does not | |)*W | 3/8 piping adaptor set | • | | | | | |
| need to be specified. | | 5*W | 1/2 piping adaptor set | | • | | • | | |
| e 2: G threads and NPT threads are available for IN, OUT, gauge port and drain discharge port (metal bowl with | |)*W | 3/4 piping adaptor set | | | | | - | |
| automatic drain). | | 5*W 2*W | 1 piping adaptor set 1 1/4 piping adaptor set | | | | | | |
| e 3: Select options from drain exhaust, bowl material, | | tor thread | 1101 | | | | | | |
| element, differential pressure detection, regulator, and regulator. When selecting options for several items, list | | ank | Rc thread | | | | | | |
| options in order from the top. | | N | NPT thread | • | • | • | • | | |
| e 4: Refer to page 12 for working conditions of the | | 3 | G thread | | • | • | • | • | • |
| automatic drain. e 5: Pressure gauge display range will be 0 to 0.4 MPa for | | - | | · - | , | N | 1 | Ber | - - |
| option "L". | | | uge option (attached) Not attached | | | NO | te 9 | Pag | ge 1 |
| e 6: When option "T6" is selected, only "blank" or "R2" is | | ank ISP | | | | | | | |
| | | 5P | G45D-8-P10 (L: G45D-8-P04) | | • | | | | |
| selected for the (H) pressure gauge (enclosed). The digital pressure sensor PPX mounting port (Rc1/8) is | 64 | 9P | G49D-8-P10 (L: G49D-8-P04) G59D-8-P10 (L: G59D-8-P04) | • | | | | | |
| selected for the (H) pressure gauge (enclosed). The digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated. | C - | | COUD-0-1 10 (L. COUD-0-F 04) | • | • | | | | |
| digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated. te 7: Output type will be NPN transistor output. Consult with | G5 | 0P | $G_{40}D_{-8}P_{10} (I \cdot G_{40}D_{-8} D_{04})$ | | | | | | |
| digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated. te 7: Output type will be NPN transistor output. Consult with CKD if PNP transistor output is required. | G4 | 0P | G40D-8-P10 (L: G40D-8-P04) | - | | | | | |
| digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated. te 7: Output type will be NPN transistor output. Consult with | G4 G5 | 60P | G50D-8-P10 (L: G50D-8-P04) | • | | • | • | • | • |
| digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated. te 7: Output type will be NPN transistor output. Consult with CKD if PNP transistor output is required. te 8: A joiner set is attached with the piping adapter set. | G4 G5 G4 | | , , , | - | • | • | • | • | • |

CKD

CAD Dimensions

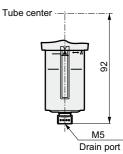
• C1050-W



75 5.5 0

Drawing of bracket section

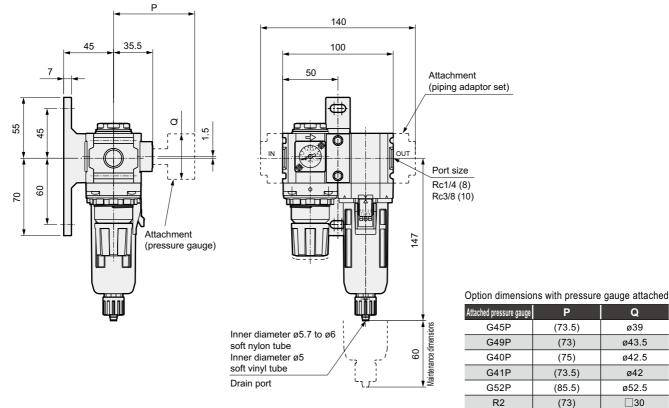
· Option dimensions With automatic drain (F1)



Option dimensions with pressure gauge attached

| • | | - U |
|-------------------------|--------|-------|
| Attached pressure gauge | 0 | Р |
| G45P | (74) | ø39 |
| G49P | (73.5) | ø43.5 |
| G59P | (76) | ø52 |
| G40P | (75.5) | ø42.5 |
| G50P | (75.5) | ø52.5 |
| G41P | (74) | ø42 |
| G52P | (86) | ø52.5 |
| R2 | (74) | □30 |
| | | |

• C2050-W



| • | • | 0 0 |
|-------------------------|--------|-------|
| Attached pressure gauge | Р | Q |
| G45P | (73.5) | ø39 |
| G49P | (73) | ø43.5 |
| G40P | (75) | ø42.5 |
| G41P | (73.5) | ø42 |
| G52P | (85.5) | ø52.5 |

(73)

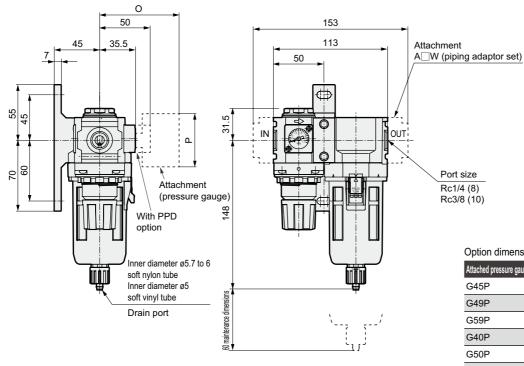
□30

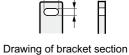
CKD 55

CAD Dimensions

Dimensions

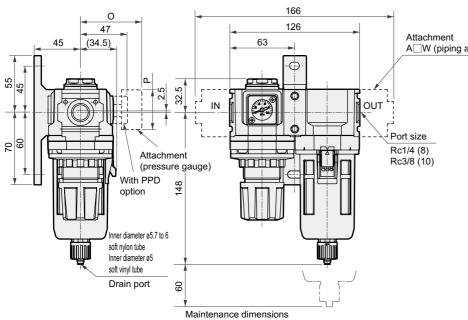






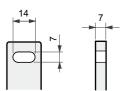
| Option dimensions with pressure gauge attached | | | | | | | |
|--|--------|-------|--|--|--|--|--|
| Attached pressure gauge | 0 | Р | | | | | |
| G45P | (73.5) | ø39 | | | | | |
| G49P | (73) | ø43.5 | | | | | |
| G59P | (75.5) | ø52 | | | | | |
| G40P | (75) | ø42.5 | | | | | |
| G50P | (75) | ø52.5 | | | | | |
| G41P | (73.5) | ø42 | | | | | |
| G52P | (85.5) | ø52.5 | | | | | |
| R2 | (73) | □30 | | | | | |

• C3050-W



Refer to page 92 for dimensions of the metal bowl option.

Attachment A W (piping adaptor set)



Drawing of bracket section

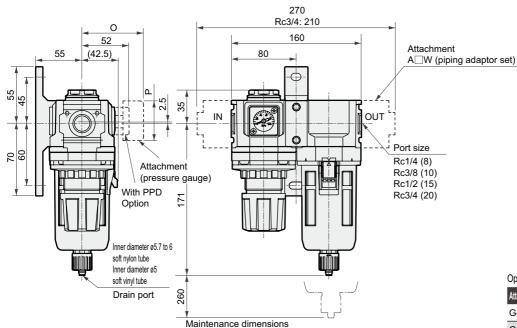
Option dimensions with pressure gauge attached

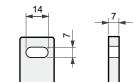
| • | | - | | | |
|-------------------------|--------|-------|--|--|--|
| Attached pressure gauge | 0 | Р | | | |
| G45P | (70) | ø39 | | | |
| G49P | (69.5) | ø43.5 | | | |
| G59P | (72) | ø52 | | | |
| G40P | (71.5) | ø42.5 | | | |
| G50P | (71.5) | ø52.5 | | | |
| G41P | (70) | ø42 | | | |
| G52P | (82) | ø52.5 | | | |
| R2 | (69.5) | □30 | | | |
| CKD | | | | | |

CAD

Dimensions

• C4050-W





Magnified drawing of bracket section

Option dimensions with pressure gauge attached

| Attached pressure gauge | 0 | Р |
|-------------------------|--------|-------|
| G45P | (75) | ø39 |
| G49P | (74.5) | ø43.5 |
| G59P | (77) | ø52 |
| G40P | (76.5) | ø42.5 |
| G50P | (76.5) | ø52.5 |
| G41P | (75) | ø42 |
| G52P | (86) | ø52.5 |
| R2 | (75) | □30 |

ø42.5

ø52.5

ø42

ø52.5

(81.5)

(81.5)

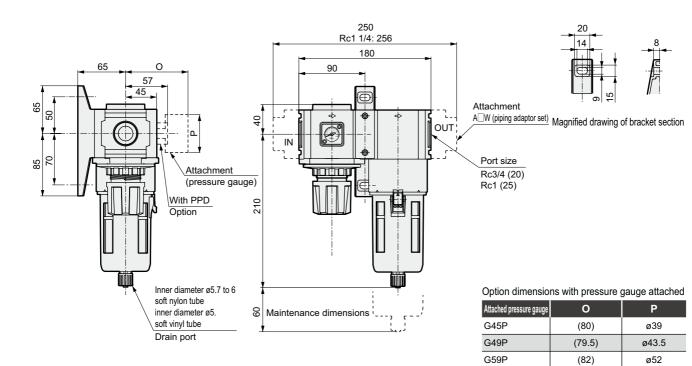
(80)

(93)

(80)

Refer to page 92 for dimensions of the metal bowl option.

• C6050-W



G40P

G50P

G42P

G52P

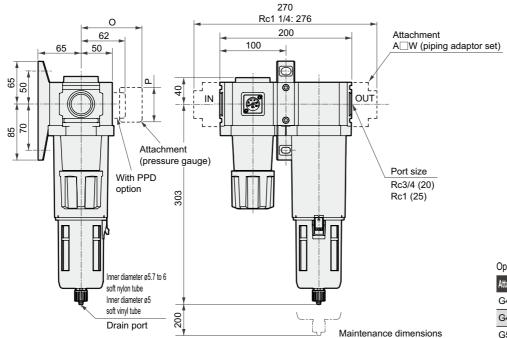
R2

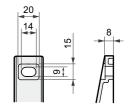
Dimensions

CAD

Dimensions







Drawing of bracket section

Option dimensions with pressure gauge attached

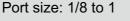
| Attached pressure gauge | 0 | Р |
|-------------------------|--------|-------|
| G45P | (85) | ø39 |
| G49P | (84.5) | ø43.5 |
| G59P | (87) | ø52 |
| G40P | (86.5) | ø42.5 |
| G50P | (86.5) | ø52.5 |
| G41P | (85) | ø42 |
| G52P | (98) | ø52.5 |
| R2 | (85) | □30 |

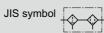
Refer to page 102 for dimensions of the metal bowl option.



F.M. combination standard white series C1060/C2060/C3060 C4060/C6060/C8060-W Series

Integrated filter and oil mist filter







Specifications

| De | scriptions | C1060-W | C2060-W | C3060-W | C4060-W | C6060-W | C8060-W | | |
|-------------|--------------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------|--------------------------------|--|--|
| Exterior | | | | | | | | | |
| Componente | Filter | F1000-W | F2000-W | F3000-W | F4000-W | F6000-W | F8000-W | | |
| Components | Oil mist filter | M1000-W | M2000-W | M3000-W | M4000-W | M6000-W | M8000-W | | |
| Working | fluid | | | Compre | essed air | | | | |
| Max. worl | king pressure MPa | | | 1 | .0 Note 3, 4, 5 | | | | |
| Withstand | ling pressure MPa | | | 1 | .5 Note 3 | | | | |
| Ambient ter | mperature range °C | | | 5 to | o 60 | | | | |
| Port size | e Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | |
| Product | weight kg | 0.22 | 0.58 | 0.62 | 1.06 | 2.02 | 2.68 | | |
| Seconda | ry oil concentration | | 0.01mg/m ³ or less | | | | | | |
| Maximum flo | ow rate (Note 1) m ³ /min | 0.15 Note 3 | 0.25 | 0.36 | 0.825 | 1.27 | 2.6 | | |

Note 1: The maximum flow is for a primary pressure of 0.7 MPa.

Note 2: Refer to page 95 for details on other oil mist filters.

Note 3: When "F1" with an automatic drain is selected for the C1030-W series, the NC automatic drain is assembled for both the filter and oil mist filter. Minimum operation pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and withstanding pressure is 1.05MPa. Refer to the maximum processing flow graph (page 97) for the M1030-W-F1 automatic drain for the maximum working flow. The working flow must be less than the maximum working flow.

Note 4: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air is purged with initial drainage until pressure reaches 0.1 MPa.

Note 5: When "F1" with an automatic drain is selected, the supply air pressure must be 0.15 MPa or more.

Note 6: When element option "Y" is selected, refer to page 87 for maximum flow. The working flow must be less than the maximum working flow.

| How to order | | | | | | A | Mod | lel n | 0. |
|--|-------------------------------|--------------------|---|---|-----------|-----------|-------------|-----------------|---------------------------------|
| C1060-6 - W - Z A6W | | | * Refer page 9 for an explanation of the options. | | | | 3 0 6 | 4 0 6 | C C 6 8 0 0 6 6 0 0 |
| | | Syn | nbol | Descriptions | | | | | |
| Model no. | | BPor | t size | | | | | | |
| BPort size | | (| 6 | 1/8 | | | | | |
| | | 8 | 3 | 1/4 | | ullet | | • | |
| | | 1 | 0 | 3/8 | | ullet | | • | |
| | | 1 | 5 | 1/2 | | | | | |
| | | 2 | 0 | 3/4 | | | | D lite 1 | |
| | | 2 | 5 | 1 | | | | | |
| | | C Por | t thread | type | | | | No | ote 2 |
| Port thread | d type | - | ank | Rc thread | | | | • | |
| | | 1 | N | NPT thread | | ullet | \bullet | • | |
| | | (| 3 | G thread | • | ullet | \bullet | • | |
| | | D Opt | ion | · | | | | N | ote 3 |
| | | C opt | Blank | With manual drain cock | | \bullet | | | |
| | | | F | Automatic drain with manual override (NO type: exhausts without pressurization) | | | \bullet | • | |
| | | Drainage | F1 | Automatic drain with manual override (NC type: no exhaust without pressurization) | | ullet | \bullet | • | |
| | | | FF | Large exhaust automatic drain with manual override (NO type: exhausts without pressurization) | | | | | |
| | | Note 4, Note 5 | FF1 | Large exhaust automatic drain with manual override (NO type: no exhaust without pressurization) | | | | | |
| | | | Blank | Polycarbonate bowl | | ullet | \bullet | • | |
| | | Bowl | Z | Nylon bowl | | ullet | \bullet | • | |
| | | material | м | Metal bowl | | | \bullet | • | |
| | | | M1 | Metal bowl with manual drain cock | | ullet | \bullet | • | |
| | | Element | Blank | 5µm | \bullet | ullet | \bullet | • | |
| | | Element | Y | 0.3µm (submicron) Note 6 | | | \bullet | • | |
| | | Differential | Blank | Without differential pressure detection port | ullet | ullet | \bullet | • | |
| | Displayed unit | pressure detection | Q | With differential pressure detection port (Rc1/4) | | | | | |
| | | Flow | Blank | Standard flow (left to right) | \bullet | ullet | \bullet | • | |
| | Piping adaptor set | Direction | X1 | Reverse flow (right to left) | ullet | ullet | \bullet | • | |
| | (included) | 🕒 Dis | played u | init | | | | | |
| Cautions for model | No. selection | | | MPa display, Rc thread | | \bullet | | • | |
| Note 1: Piping adaptor A400-20*-W is | | | 1 | MPa display, NPT, G thread | • | ullet | | | \bullet |
| C4060-20*-W. Piping adaptor s be specified. | set "A20*W" does not need to | 🕞 Pipi | ing adap | otor set (included) Pages | s 15 | 5 to | 15 | 7 No | ote 7 |
| Note 2: When G threads or NPT thread | ds are selected, the IN, OUT, | | ank | Not attached | | | | • | |
| gauge port, and drainage d | | A6 | *W | 1/8 piping adaptor set | | | | | |
| automatic drain) are the target, Note 3: Select the option from drain | | | *W | 1/4 piping adaptor set | | ullet | \bullet | • | |
| differential pressure detection | . When selecting options for | A10 |)*W | 3/8 piping adaptor set | | ullet | \bullet | • | |
| several items, list options in ord | ier from the top. | | | i de la constancia de la c | 1 | | -+ | | |

A15*W

A20*W

A25*W

A32*W

Blank

Ν

G

* Adaptor thread type

1/2 piping adaptor set

3/4 piping adaptor set

1 1/4 piping adaptor set

1 piping adaptor set

Rc thread

G thread

NPT thread

- differential pressure detection. When selecting options for several items, list options in order from the top. Note 4: Refer to page 12 for working conditions of the automatic
- drain. Note 5: When option symbol "F" is selected, the NO automatic drain is enclosed for the air filter and the NC automatic drain is enclosed for the automatic drain. When option symbol "F1" both air filter and oil mist filter will have an NC type automatic drain. "FF" and "FF1" has a large drain type oil mist filter but the automatic drain is same as the NC type.
- Note 6: Refer to page 87 for max. flow rate of option "Y".
- Note 7: A joiner set is attached with the piping adapter set.

• • •

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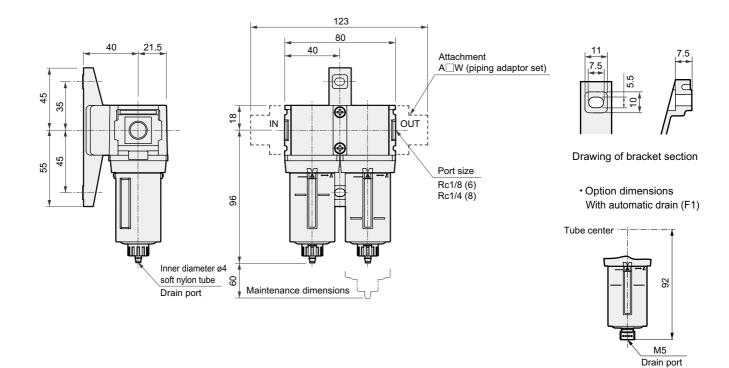
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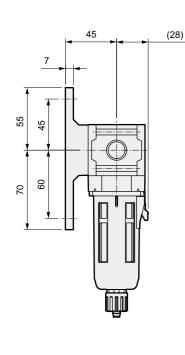
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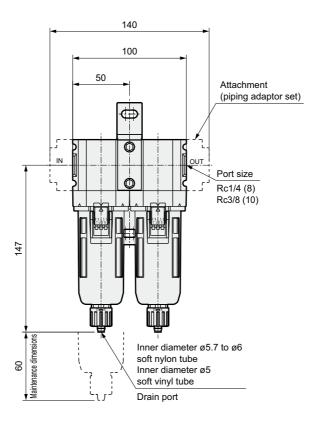
Dimensions CAD

• C1060-W



• C2060-W



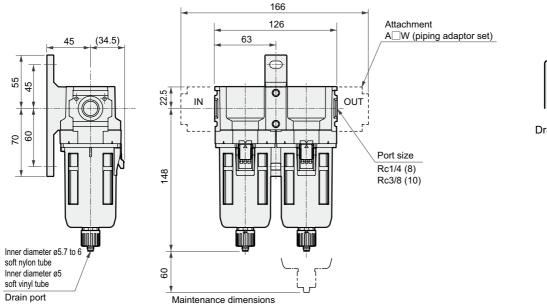


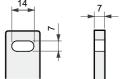
Dimensions

Dimensions

CAD

• C3060-W

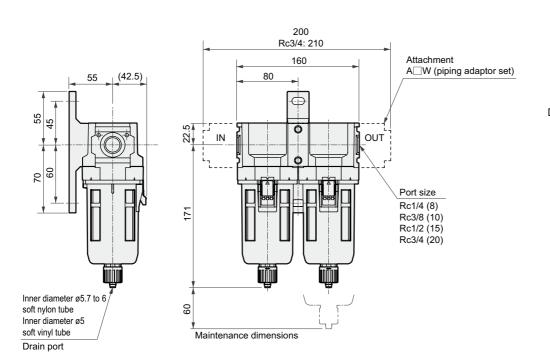


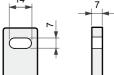


Drawing of bracket section

 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

• C4060-W



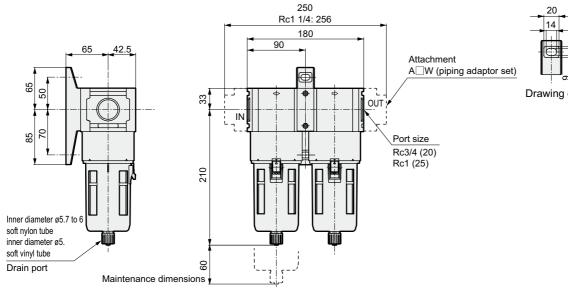


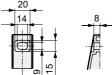
Drawing of bracket section

• Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

Dimensions CAD

• C6060-W

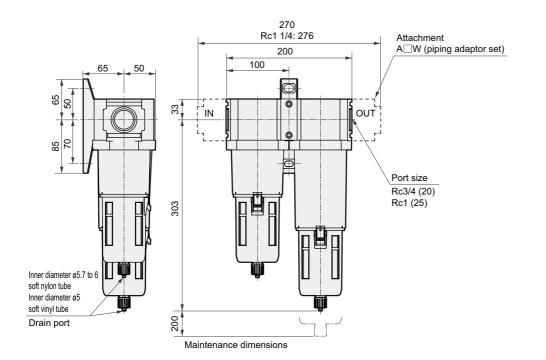


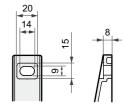


Drawing of bracket section

 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

• C8060-W





Magnified drawing of bracket section

• Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

MEMO



F.F.M. combination standard white series C3070/C4070/C6070/C8070-W Series

Integrated filter (5 µm), filter (0.3 µm), and oil mist filter Port size: 1/4 to 1





Specifications

| · · | scriptions | C3070-W | C4070-W | C6070-W | C8070-W | | | |
|-------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|--------------------------------|--|--|--|
| Exterior | | | | | | | | |
| | Filter (5µm) | F3000-W | F4000-W | F6000-W | F8000-W | | | |
| Components | Filter (0.3µm) | F3000-W | F4000-W | F6000-W | F8000-W | | | |
| | Oil mist filter | M3000-W | M4000-W | M6000-W | M8000-W | | | |
| Working | fluid | Compressed air | | | | | | |
| Max. work | king pressure MPa | 1.0 Note 3, 4 | | | | | | |
| Withstand | ling pressure MPa | 1.5 | | | | | | |
| Ambient tem | nperature range °C | | 5 tc | o 60 | | | | |
| Port size | e Rc, PT, | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | | |
| Product | weight kg | 0.96 | 1.61 | 3.09 | 4.01 | | | |
| Secondar | ry oil concentration | | 0.01mg/r | n ³ or less | | | | |
| Maximum flo | w rate (Note 1) m ³ /min | 0.23 | 0.5 | 0.8 | 1.1 | | | |

Note 1: The maximum flow is for a primary pressure of 0.7 MPa.

Note 2: Refer to page 95 for details on other oil mist filters. Note 3: When "F" with an automatic drain is selected, the supply air pressure is 0.15 MPa or more. Air is purged with initial drainage until pressure reaches 0.1 MPa.

Note 4: When "F1" with an automatic drain is selected, the supply air pressure must be 0.15 MPa or more.

| | | | | 1 | 10 44 | 10 | 010 | |
|---|--------------------|--------------------|---|--|-----------|------------------|-----------|------------------|
| How to order | | | | | A | Mod | lel n | о. |
| C3070 -6 - W - Z A6W | | | * Refer page 9 for an explanation of the options. | | | C 4 0 7 | 0 | C 8 0 7 |
| | | Syn | nbol | Descriptions | 7 0 | 7 0 | 7 0 | ó |
| | | BPor | | · | | | | |
| Model no. | | 8 | 3 | 1/4 | \bullet | | | |
| | | 1 | 0 | 3/8 | \bullet | \bullet | | |
| | | 1 | 5 | 1/2 | | \bullet | | |
| | | 2 | 0 | 3/4 | | Note 5 | • | \bullet |
| | | 2 | 5 | 1 | | | • | • |
| | | C Por | t thread | type | | | Note | 91 |
| Port thread type | | | nk | Rc thread | | | | |
| | | 1 | 1 | NPT thread | \bullet | | • | \bullet |
| | | 0 | 3 | G thread | \bullet | | \bullet | • |
| | | D Opt | ion | | | | Note | 2 |
| Option | | | Blank | With manual drain cock | | | • | |
| | | | F | Automatic drain with manual override (NO type) | \bullet | \bullet | • | • |
| | | Drainage | F1 | Automatic drain with manual override (NC type) | \bullet | \bullet | • | • |
| | | | FF | Large exhaust automatic drain with manual override (NO type) | | | | • |
| | | Note 3, Note 4 | FF1 | Large exhaust automatic drain with manual override (NO type) | | | | • |
| | | | Blank | Polycarbonate bowl | \bullet | \bullet | • | \bullet |
| | | Bowl | Z | Nylon bowl | \bullet | \bullet | • | • |
| | | material | м | Metal bowl | \bullet | \bullet | • | \bullet |
| | | | M1 | Metal bowl with manual drain cock | ullet | \bullet | • | • |
| | | Differential | Blank | Without differential pressure detection port | \bullet | ullet | • | • |
| | | pressure detection | Q | With differential pressure detection port (Rc1/4) | | | | • |
| | | Flow | Blank | Standard flow (left to right) | \bullet | \bullet | | • |
| | | Direction | X1 | Reverse flow (right to left) | • | \bullet | • | • |
| | | 🕒 Disp | olayed u | nit | | | | |
| G Di | isplayed unit | Bla | ink | MPa display, Rc thread | \bullet | \bullet | • | • |
| | | J | 1 | MPa display, NPT, G thread | ullet | \bullet | • | • |
| | | 🕞 Pipi | ng adap | otor set (included) Pages 155 | i to i | 157 | Note | 96 |
| | Piping adaptor set | | ink | Not attached | | | • | • |
| | (included) | A8 | *W | 1/4 piping adaptor set | \bullet | \bullet | | |
| A Cautions for model No. select | ction | A10 |)*W | 3/8 piping adaptor set | \bullet | \bullet | | |
| | | A15 | | 1/2 piping adaptor set | • | | | |
| Note 1: When G threads or NPT threads are selected gauge port, and drainage discharge port | | A20 |)*W | 3/4 piping adaptor set | | \bullet | • | • |
| automatic drain) are the target, as are attachm | ents P and V. | A25 | 5*W | 1 piping adaptor set | | | • | • |
| Note 2: Select the option from drain exhaust, bowl differential pressure detection. When selectin | | A32 | 2*W | 1 1/4 piping adaptor set | | | • | • |
| several items, list options in order from the top. | | * Adap | tor threa | ad type | | | | |
| Note 3: Refer to page 12 for working conditions of the drain. | the automatic | Bla | ink | Rc thread | \bullet | \bullet | • | • |
| Note 4: When option symbol "E" is selected the NO a | utomatic drain | | J | NPT thread | | | | |

NPT thread

G thread

Ν

G

- Note 4: When option symbol "F" is selected, the NO automatic drain is enclosed for the air filter and the NC automatic drain is enclosed for the automatic drain. When option symbol "F1" both air filter and oil mist filter will have an NC type automatic drain. "FF" and "FF1" has a large drain type oil mist filter but the automatic drain is same as the NC type.
- Note 5: Piping adaptor A400-20*-W is assembled on both ends of C4070-20*-W. Piping adaptor set "A20*W" does not need to be specified.
- Note 6: A joiner set is attached with the piping adapter set.

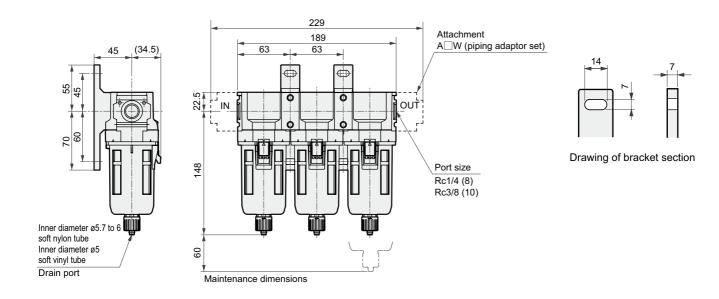
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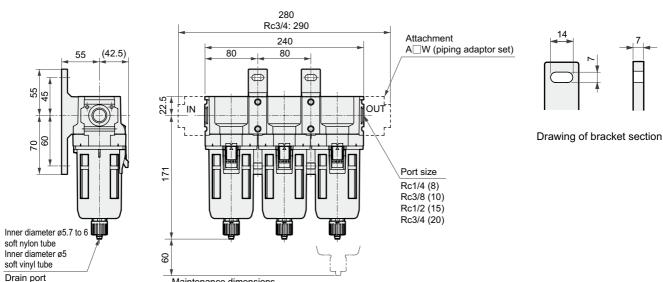
CAD Dimensions

• C3070-W



Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

• C4070-W

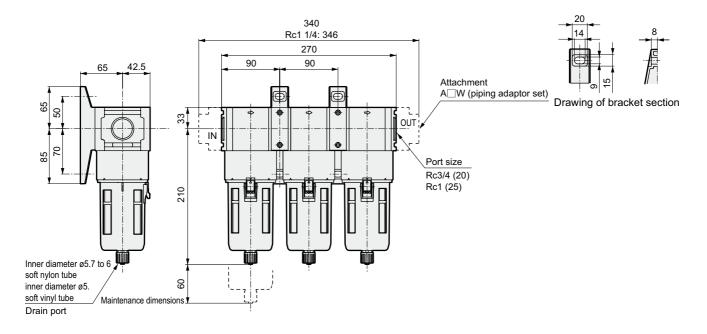


Maintenance dimensions

Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

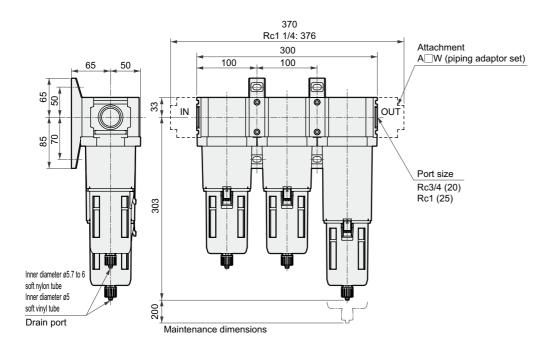
Dimensions

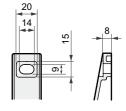
• C6070-W



 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.

• C8070-W





Drawing of bracket section

 Refer to page 92 for the dimensions of the metal bowl option filter and page 102 for the oil mist filter.



Filter · regulator Standard white series

W1000/W2000/W3000/W4000/W8000-W Series

Introducing the 5 μ m dust removing element and 0.3 μ m tar removing element to the lineup Port size: 1/8 to 1





Specifications

| Descriptions | W1000-W | W2000-W | W3000-W | W4000-W | W8000-W | | | | | |
|--------------------------------|---|--------------------------------|--------------------------------|-------------------------------------|--------------------------------|--|--|--|--|--|
| Exterior | | | | | | | | | | |
| Working fluid | U U U Compressed air | | | | | | | | | |
| Max. working pressure MPa | | | Image: Compressed air | | | | | | | |
| Withstanding pressure MPa | Image: Market of the system Image: Market of the system <t< td=""></t<> | | | | | | | | | |
| Ambient temperature range °C | 5 to 60 Note | | | | | | | | | |
| Filtration rating µm | ! | 5 | | 5 or 0.3 | | | | | | |
| Set pressure range MPa | 0.05 to 0.85 Note 2 0.05 to 0.85 | | | | | | | | | |
| Relief | With relief mechanism | | | | | | | | | |
| Drain capacity cm ³ | 12 | 25 | 45 | 80 | 80 Note 1 | | | | | |
| Port size Rc, PT, | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | | | | |
| Product weight kg | 0.175 | 0.4 | 0.6 | 0.9 | 2 | | | | | |
| Standard accessories | | Pr | essure gauge, bowl gua | ard | · | | | | | |

Note 1: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 2: When "F1" with an automatic drain is selected for the W1000-W series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and the guaranteed pressure resistance is 1.05 MPa. Refer to the maximum processing flow table (page 85) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow. Note 3: The automatic drain's minimum operating pressure for "F" with an automatic drain is 0.1 MPa.

Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

Note 4: The automatic drain's minimum operating pressure for "F1" with an automatic drain is 0.15 MPa.

(Catalog No. CB-033SA)

Note 5: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

Note 6: W2000-W Series with an automatic drain "F1" must be used below maximum flow rate. (Refer to page 85 F2000-W for weight.)

(Catalog No.CC-947A)

Ozone specifications (Page 185) W*000 - ····· - W - ····· - (P11

Clean specification

Dust generation preventing structure for use in cleanrooms

W*000 - · · · · · · · P7*

Specification for LiB production

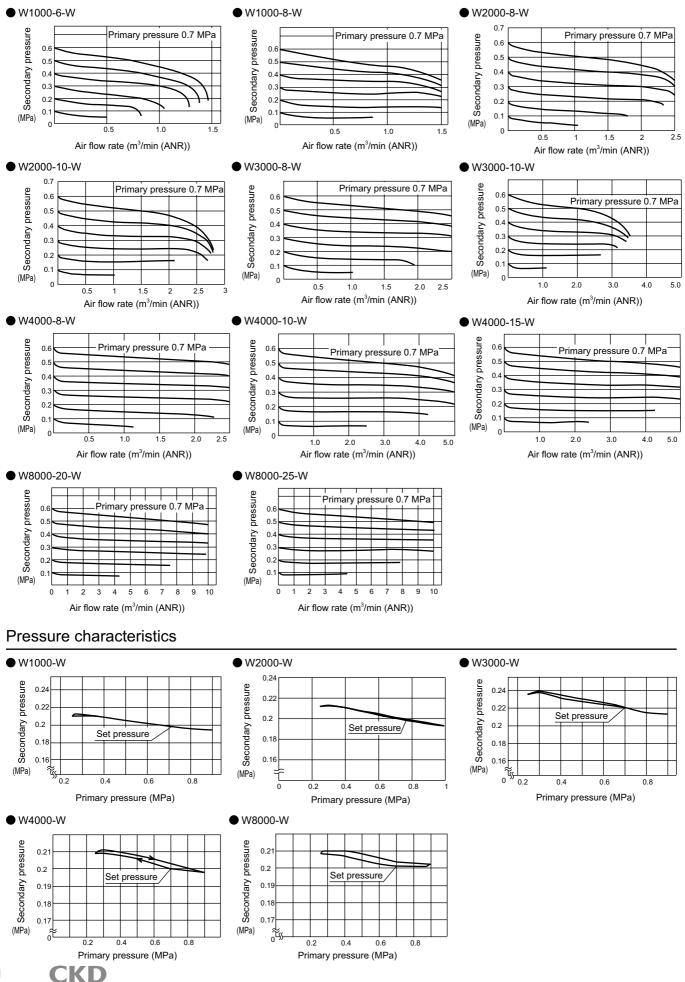
• Specification for LiB manufacturing process

Filter · Regulator Series How to order

| | | | | ŀ | lov | v t | o c | ord | |
|--|---|--|--|--|---|---|---------------------------------|-----------|-----------|
| low to order | | | | * Ret | fer page 9 for an explanation | | A M | lode | el ne |
| | | | of t | he options. | w | w | w | w | |
| V1000-(6)()- W -(Z | ()-()-(A6W) | | | | | 1 | 2 | 3 0 | 4 |
| | $\downarrow \downarrow \downarrow$ | \frown | | | | 0 | 0 | 0 | 0 |
| | | | Syr | nbol | Descriptions | 0 | 0 | 0 | 0 |
| | | | B Port | size | | | | | |
| BPort size | | | | 6 | 1/8 | \bullet | | | |
| Model no. | | | - | 8 | 1/4 | \bullet | • | ullet | \bullet |
| | | | 1 | 0 | 3/8 | | \bullet | \bullet | \bullet |
| | | | 1 | 5 | 1/2 | | | | ullet |
| | | | 2 | 20 | 3/4 | | | | |
| | | | 2 | 25 | 1 | | | | |
| | | | C Port thread type | | | | | | Not |
| OPort thread ty | ype | | Bla | ank | Rc thread | | | | • |
| | | | | N | NPT thread | • | | | • |
| | | | | G | G thread | • | • | | ullet |
| L | | | 🖸 Opti | on | · | | | | Not |
| e | Option ↓ | | - O opti | Blank | With manual drain cock | | | | |
| | | | | F | Automatic drain with manual override (NO type) | | | | • |
| | | | Drainage | | Automatic drain with manual override (NC type) | | • | | • |
| | | | Stanlage | FF | Large exhaust automatic drain with manual override (NO type) | | | | |
| | | | Note 3 | FF1 | Large exhaust automatic drain with manual override (NO type) | | | | |
| | | | | Blank | Polycarbonate bowl | • | • | | |
| | | | Bowl | Z | Nylon bowl | • | | | • |
| | | | material | <u> </u> | Metal bowl | Ť | | | • |
| | | | | M1 | Metal bowl with manual drain cock | | • | | • |
| | | | | Blank | 5µm | • | | | • |
| | | | Element | Y | 0.3µm (submicron) Note 4 | - | | | • |
| | | | Pressure | | 0.05 to 0.85MPa | | | | |
| | | | Range | L | 0.05 to 0.35MPa Note 5 | | • | | |
| | | | runge | Blank | With relief mechanism | | • | | |
| | | | Relief | N | Non-relief type | | • | | |
| | | | | Blank | Standard pressure gauge (G401-W) | | | | |
| | | | | Т | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | | | | |
| | | | Pressure | - T8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open | _ | | | |
| G r | Displayed unit | | gauge | T6 | Compatibility with digital pressure sensor PPX Note 6 | , | • | | |
| | | | R1 | Pressure switch with display PPD assembled Note 7 | - | - | • | • | |
| | Piping adaptor set | | Flow | Blank | Standard flow (left to right) | • | • | • | • |
| (included) | | Direction | X1 | Reverse flow (right to left) | • | • | • | • | |
| | . , | | G Disr | layed un | 1 | | | | |
| | G At | ttachment | | ank | MPa display, Rc thread | | | | |
| | - | | | 1 | MPa display, NPT, G thread | | | | |
| | | | | | | | | | |
| | | | | | or set (included) Note 8, 9 | _ | | 55 | to |
| | | | | ank | Not attached | • | ₽ | | • |
| | | | | *W | 1/8 piping adaptor set | • | - | | - |
| Cautions for model N | lo, selection | | | *W | 1/4 piping adaptor set | | • | | • |
| | | | | 0*W | 3/8 piping adaptor set | • | l T | | • |
| e 1: G threads and NPT threads are | , | , 0 0 | | 5*W | 1/2 piping adaptor set | | ₽ | | • |
| port and drain discharge port (met | | , | | 0*W | 3/4 piping adaptor set | | | | • |
| Note 2: Select options per drainage, bowl material, element, and | | | | 5*W | 1 piping adaptor set | | | | |
| regulator sections. When selecting options for sever | eral items, list option | ns in order | | 2*W | 1 1/4 piping adaptor set | | | | |
| from the top. | | | | or thread | | | | | - |
| lote 3: Refer to page 12 for working conditions of the automatic drain. | | | ank | Rc thread | | l. | | | |
| lote 4: Refer to page 87 for max. flow rate of option "Y". | | | | N 2 | NPT thread | | | | |
| ote 5: Pressure gauge display range will be 0 to 0.4 MPa for option "L". ote 6: When option "T6" is selected, only "blank" or "R2" is selected for | | <u> </u> | G | G thread | | ╘ | | - | |
| e b: when option "The is selected only | | selected for | G Atta | chment | Note | 10 F | Pag | e 15 | 2, |
| the (G) pressure gauge (enclosed | y "blank" or "R2" is s | | | nuk | Not attached | | \bullet | \bullet | • |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse | y "blank" or "R2" is s d). The digital press embled ventilated. | ure sensor | Bla | | | | · - | | |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse e 7: Out put type will be NPN transist | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v | ure sensor | В | w | C type bracket | | | Ē | · |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse te 7: Out put type will be NPN transist PNP transistor output is required. | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v | ure sensor with CKD if | В | | | • | • | • | • |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge | ure sensor with CKD if | B3W G4 | W Note 7 I5P | C type bracket | • | • | • | • |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asset te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. | ure sensor vith CKD if ether. | B3W G4 | W Note 7 | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) | - | • • • | • | • |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asset te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. " piping thread typ | ure sensor with CKD if other. pe, a NPT | B3W G4 G4 | W Note 7 I5P | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) | - | • • • • | • | • |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asset te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip te 10: If NPT is selected for the "C" pressure gauge is enclosed. If R thread pressure gauge is enclosed | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. " piping thread typ c or G thread is sele ed. | ure sensor with CKD if other. De, a NPT ected, an R | B B3W G4 G4 G5 | W Note 7 ISP I9P | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) | • | • • • • • | | |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse- te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip te 10: If NPT is selected for the "C' pressure gauge is enclosed. If R thread pressure gauge is enclosed to 11: Refer to Section (2. Regulator) | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. " piping thread typ cor G thread is sele ed.), in "APRECAUT | ure sensor with CKD if other. Dee, a NPT ected, an R | B3W G4 G4 G5 G5 G4 | W Note 7 ISP I9P I9P | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) G59D-8-P10 (L: G59D-8-P04) G59D-8-P10 (L: G59D-8-P04) | • | • • • • • • • | | |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asse- te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip te 10: If NPT is selected for the "C' pressure gauge is enclosed. If R thread pressure gauge is enclosed to 11: Refer to Section (2. Regulator Installation and Adjustment" (page | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. " piping thread typ cor G thread is sele ed.), in "APRECAUT | ure sensor with CKD if other. Dee, a NPT ected, an R | B B3W G4 G4 G4 G4 G4 G4 | W Note 7 ISP I9P I9P I0P I0P I0P I1P | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) G59D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G40D-8-P04) | • • • • • • • | | | |
| the (G) pressure gauge (enclosed PPX mounting port (Rc1/8) is asset te 7: Out put type will be NPN transist PNP transistor output is required. te 8: Piping adapter set and C bracket of te 9: A joiner set is attached with the pip te 10: If NPT is selected for the "C' pressure gauge is enclosed. If R thread pressure gauge is enclosed to 11: Refer to Section (2. Regulator) | y "blank" or "R2" is s d). The digital press embled ventilated. tor output. Consult v cannot be used toge ping adapter set. " piping thread typ cor G thread is sele ed.), in "APRECAUT | ure sensor with CKD if other. Dee, a NPT ected, an R | B B3W G4 G4 G4 G4 G4 G4 | W Note 7 ISP I9P I9P I0P I0P | C type bracket L type bracket Note 11 G45D-8-P10 (L: G45D-8-P04) G49D-8-P10 (L: G49D-8-P04) G49D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G40D-8-P04) G50D-8-P10 (L: G50D-8-P04) | • •< | | | |

Filter · Regulator Series

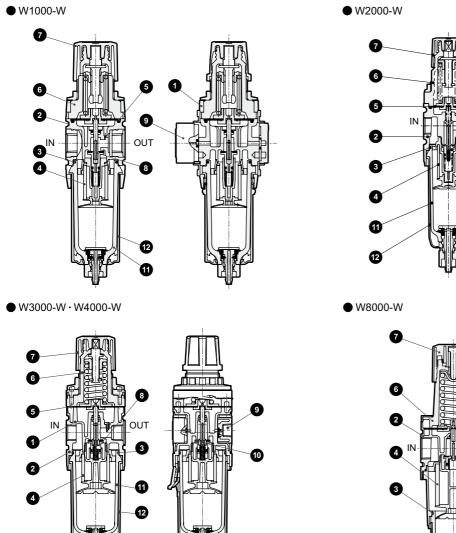
Flow characteristics

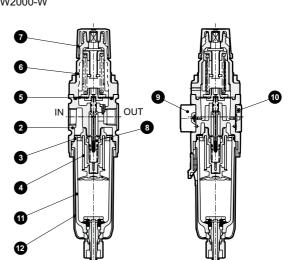


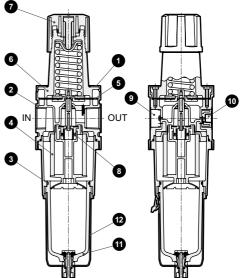
71

Internal structure and parts list

Internal structure and parts list



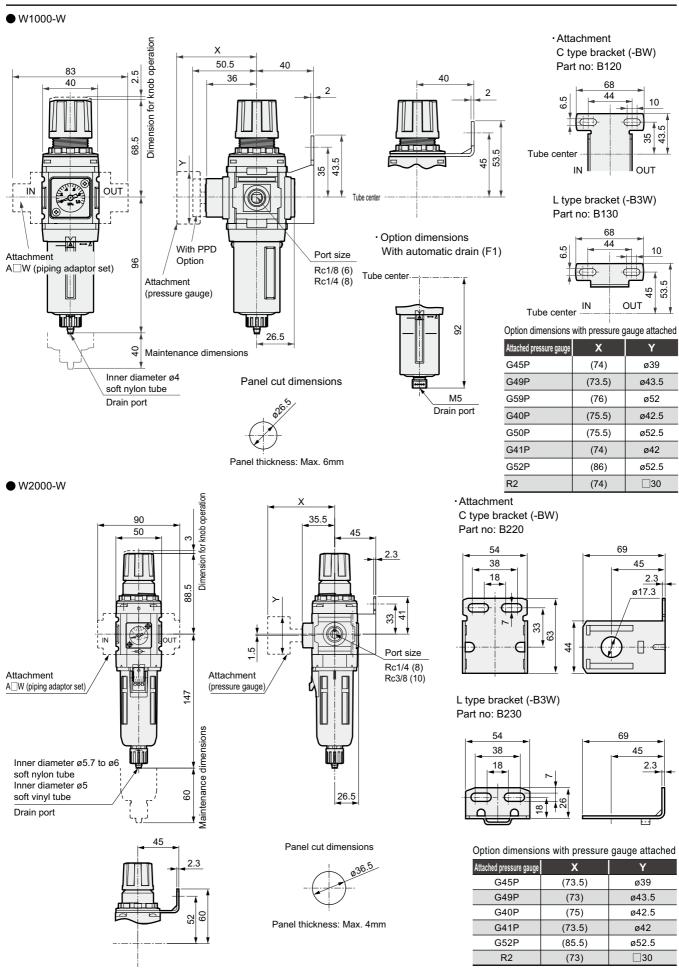




| No. | Part name | | | | Material | | | |
|-----|-------------------------|--------|--------------------------------|---|------------------------|--------------------------|--------------|--|
| NO. | Fait liallie | | W1000-W | W2000-W | W3000-W | W4000-W | W8000-W | |
| 1 | Plate cover | | ABS resin | - | | ABS resin | | |
| 2 | Body | | Polyamide resin, steel | Iyamide resin, steel Aluminum alloy die-casting | | | | |
| 3 | O-ring | Note 2 | | Special nitrile rubber | | | | |
| 4 | Element | Note 1 | Polyacetal resin polypropylene | etal resin polypropylene Polypropylene | | | | |
| 5 | Diaphragm assembly | | Polyacetal resin polypropylene | cetal resin polypropylene Polyacetal resin nitrile rubber Zinc alloy die-casting nitrile rubber | | | | |
| 6 | Cover | | Polyamide resin | lyamide resin PBT Resin Aluminum alloy die- | | | | |
| 7 | Knob | | | | Polyacetal resin | | | |
| 8 | Valve assembly | | Brass, hydro | ogenated nitrle rubber | (polyacetal resin: W20 | 000-W, W3000-W, W | 4000-W only) | |
| 9 | Pressure gauge assembly | | PBT | resin, polyacetal resin | , polycarbonate resin | nitrile rubber, brass | steel | |
| 10 | Gauge plug assembly | | | - | Poly | /acetal resin nitrile ru | ibber | |
| 10 | Blanking plug assembly | | PBT resin, nitr | PBT resin, nitrile rubber, steel - | | | | |
| 11 | Bowl assembly | | | Polycarbonate resin, polyacetal resin, urethane resin | | | | |
| 12 | Bowl guard | | Polyamide resin | | Polyami | de resin | | |

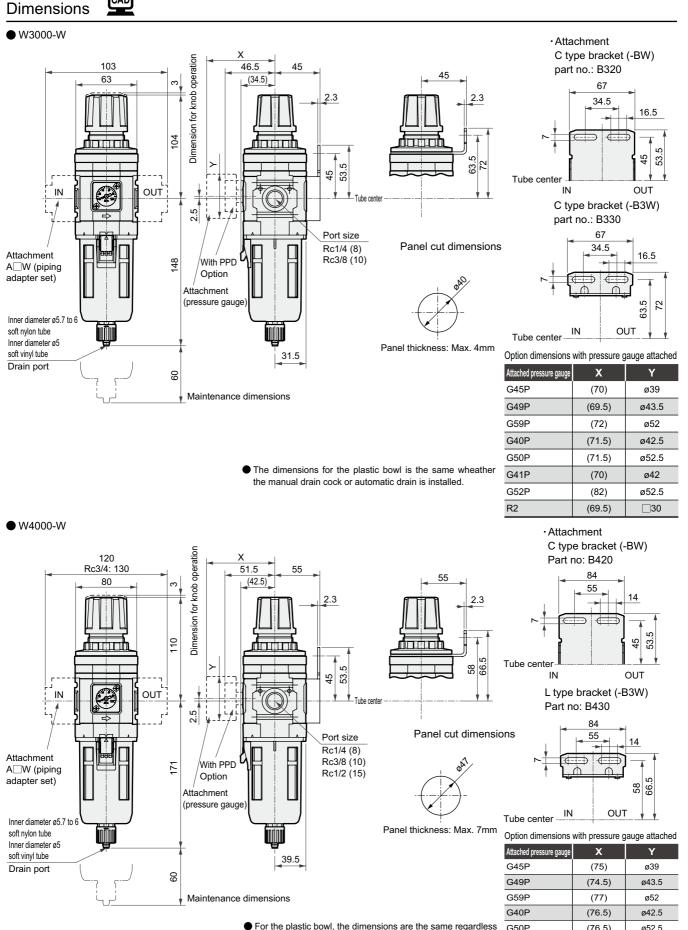
Note 1: W1000-W is an element assembly. Note 2: The W1000-W O ring has a special shape.

Dimensions CAD



73 **CKD**

Dimensions



CAD

• For the plastic bowl, the dimensions are the same regardless of whether the manual cock or with automatic drain.

ø42

ø52.5

30

(76.5)

(75)

(86)

(75)

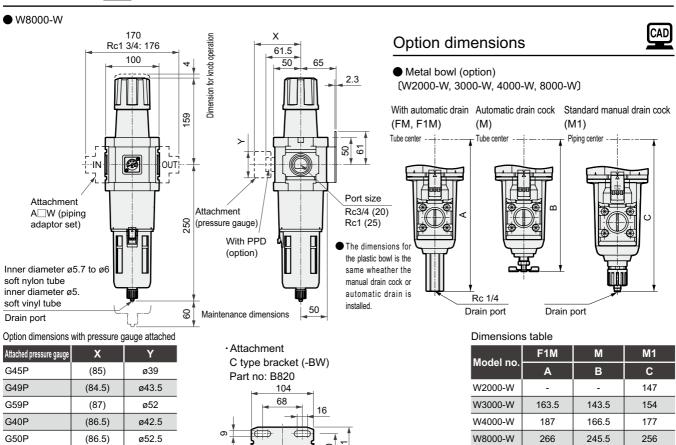
G41P

G52P

R2

74





50 6

ŌŪ

Tube center

IN

266

245.5

256

G50P

G41P

G52P

R2

(86.5)

(85)

(98)

(85)

ø52.5

ø42

ø52.5

□30

MEMO



Reverse filter regulator Standard white series

W1100/W2100/W3100/W4100/W8100-W Series

Introducing the 5 µm dust removing element and 0.3 µm tar removing element, with back flow function, to the lineup





Specifications

| opeointeatione | | | | | |
|---------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------|
| Descriptions | W1100-W | W2100-W | W3100-W | W4100-W | W8100-W |
| Exterior | | | | | |
| Working fluid | | | Compressed air | | |
| Max. working pressure MPa | | | 1.0 Note 4, | 5, 6 | |
| Withstanding pressure MPa | | | 1.5 Note 6 | | |
| Ambient temperature range °C | | | 5 to 60 Note 7 | | |
| Filtration rating µm | Ę | 5 | | 5 or 0.3 | |
| Set pressure range (Note 2) MPa | 0.05 to 0.85 Note 4 | | 0.05 te | 0.85 | |
| Relief | | | With relief mechanism | | |
| Drain capacity cm ³ | 12 | 25 | 45 | 80 | 80 Note 3 |
| Port size Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) |
| Product weight kg | 0.175 | 0.4 | 0.6 | 0.9 | 2 |
| Standard accessories | | Pr | essure gauge, bowl gua | Ird | |

Note 1: Check that the primary pressure is at least 0.05 MPa or more than the secondary pressure.

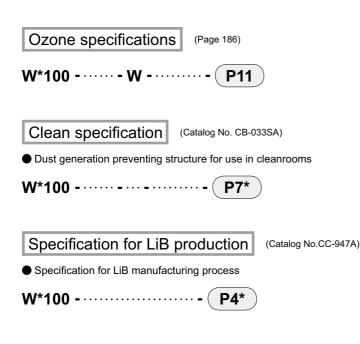
Note 2: Refer to the set pressure range for the back pressure given on page 79 when selecting the model.

Note 3: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 4: The automatic drain's minimum operating pressure for "F" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa. Note 5: The automatic drain's minimum operating pressure for "F1" with an automatic drain is 0.15 MPa.

Note 6: When "F1" with an automatic drain is selected for the W1100-W series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and the guaranteed pressure resistance is 1.05 MPa. Refer to the maximum processing flow table (page 85) for the F1000-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow. Note 7: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

Note 8: W2000-W Series with an automatic drain "F1" must be used below maximum flow rate. (Refer to page 85 F2000-W for weight.)

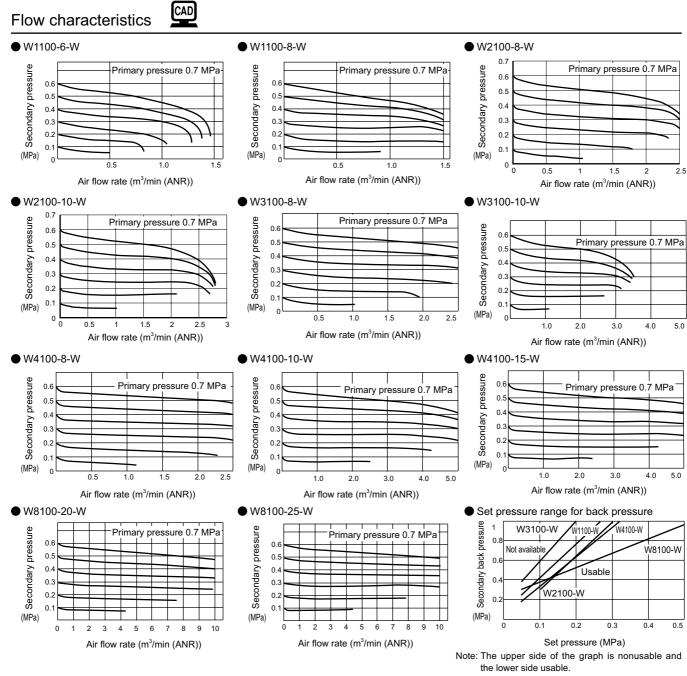


| How to order | | | | | |
|--|---|--|----------------|-----------|----------------------|
| W1100-6 - W - (2 | z A6 | SW () | | • | - |
| | | | Syn | nbol | De |
| | | | B Port | size | |
| AModel no. BPort size | | | e | ; | 1/8 |
| | | | 8 | 5 | 1/4 |
| | | | 1 | 0 | 3/8 |
| | | | 1 | 5 | 1/2 |
| | | | | | |
| | | | | | |
| | | | | | |
| Port thread ty | pe | | - | - | Ĩ |
| | | | | | |
| | | | | | |
| | | | | ; | G thread |
| | | I I | D Optio | on | |
| | Option | | | Blank | With manual drair |
| | | | | F | Automatic drain with |
| | | | Drainage | F1 | Automatic drain with |
| | | | Ů | FF | |
| | | | Note 4 | FF1 | - |
| | | | | | - |
| | | | Bowl | | |
| | | Image: state of the state | | | |
| | | | material | | - |
| W1100 6 - W - Z - •Model no. •Port size •Port thread type •Port thread type •Port thread type •Opp •Port thread type •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp •Opp </td <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| | | | Element | | - |
| | | | Broccuro | | |
| | | | | | |
| | Image: Size Image: Size | | | | |
| | | | Relief | | |
| | | | | | |
| | | | | | |
| | | | Pressure | | |
| | | | gauge | | |
| | | | 5 | Т6 | |
| | Displayed unit | | | R1 | |
| | | | Flow | Blank | Standard flow (lef |
| | | | Direction | X1 | Reverse flow (righ |
| | | | 🕒 Disp | layed uni | it |
| | | | Bla | nk | MPa display, Rc t |
| | , | , I | J | 1 | |
| | | G Attachment | B Dinir | a odonta | r oot (included) |
| | a a la atlana | | | | |
| A Cautions for model No | . selection | | | | |
| Note 1: G threads and NPT threads are as | vailable for IN OUT | | | | |
| | | | | | |
| | | | | | |
| regulator sections. | | | | | |
| | items, list options | in order | | | |
| | | | | | |
| W1100 - 6 - W - (Model no. Port size Port size Port thread t Port thread t Port thread t Note 1: G threads and NPT threads are port and drain discharge port (meta Note 2: Select options per drainage, b regulator sections. When selecting options for sever from the top. Note 3: Position of the check valve and changed. If the reverse direction of IN and "X1" in the end of optional section Note 4: Refer to page 12 for working condin Note 5: Refer to page 87 for max. flow rate | oressure gauge car | I NOT DE | | | |
| - | OUT are required | indicate | - | | |
| | • | | Bla | nk | |
| • | | drain. | N | 1 | NPT thread |
| | | | | • | G thread |
| Note 6: Pressure gauge display range will be | e 0 to 0.4 MPa for op | tion "L". | G Atta | chment | |

- Note 7: When option "T6" is selected, only "blank" or "R2" is selected for the (G) pressure gauge (enclosed). The digital pressure sensor
- PPX mounting port (Rc1/8) is assembled ventilated. Note 8: Output type will be NPN transistor output. Consult with CKD if PNP transistor output is required.
- Note 9: The piping adapter set and C bracket cannot be used together.
- Note 10: A joiner set is attached with the piping adapter set.
- Note 11: If NPT is selected for the "C" piping thread type, a NPT pressure gauge is enclosed. If Rc or G thread is selected, an R thread pressure gauge is enclosed.
- Note 12: Refer to Section (2. Regulator), in " APRECAUTIONS For Installation and Adjustment" (page 15) for details on mounting the L-type bracket.

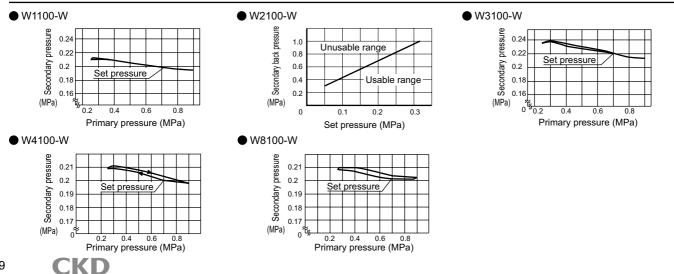
| | | H | ov | v t | 0 0 | ord | ler |
|------------|------------|--|-----------|-----------|--------|--------|-----------|
| | | | | A) M | ode | d no | |
| | | | w | w | W | w | ». W |
| * | Refer p | age 9 for an explanation | 1 | 2 | 3 | 4 | 8 |
| | of the op | otions. | 1 0 | 1 0 | 1 0 | 1 0 | 1 |
| Syn | | Descriptions | 0 | 0 | 0 | 0 | 0 |
| B Port | | 1/8 | | | | | |
| 6 | - | 1/8 | | | | | |
| 1 | | 3/8 | - | • | • | • | |
| 1 | 5 | 1/2 | | - | - | • | |
| 2 | 0 | 3/4 | | | | | \bullet |
| 2 | 5 | 1 | | | | | ullet |
| C Port | thread ty | ре | | | | Note | e 1 |
| Bla | ink | Rc thread | ullet | ٠ | ٠ | ٠ | \bullet |
| N | 1 | NPT thread | ٠ | ٠ | • | • | \bullet |
| 0 | • | G thread | • | • | • | • | \bullet |
| D Opti | on | | Ν | lote | 2, I | Not | e 3 |
| | Blank | With manual drain cock | • | • | • | • | ullet |
| | F | Automatic drain with manual override (NO type) | | • | • | • | |
| Drainage | F1 | Automatic drain with manual override (NC type) | • | | • | • | |
| Note 4 | FF FF1 | Large exhaust automatic drain with manual override (NO type) | | | | | |
| | Blank | Large exhaust automatic drain with manual override (NO type) Polycarbonate bowl | | • | • | • | |
| Bowl | Z | Nylon bowl | • | • | • | • | |
| material | M | Metal bowl | | | • | • | \bullet |
| | M1 | Metal bowl with manual drain cock | | • | • | • | \bullet |
| Element | Blank | 5µm | ullet | ullet | • | ۲ | ullet |
| Element | Y | 0.3µm (submicron) Note 5 | | | • | • | \bullet |
| Pressure | Blank | 0.05 to 0.85MPa | • | • | • | • | \bullet |
| Range | L | 0.05 to 0.35MPa Note 6 | • | • | • | • | • |
| Relief | Blank | With relief mechanism | • | • | • | • | • |
| | N Blank | Non-relief type | • | • | - | • | |
| | Т | Standard pressure gauge (G401-W) Without pressure gauge (gauge port (Rc1/4) assembled sealed) | • | • | - | - | |
| Pressure | т8 | Pressure gauge attachable (gauge port (Rc1/4) assembled seared) | • | • | • | • | • |
| gauge | T6 | Compatibility with digital pressure sensor PPX Note 7 | • | • | • | • | • |
| | R1 | Pressure switch with display PPD assembled Note 8 | • | | • | • | \bullet |
| Flow | Blank | Standard flow (left to right) | ullet | ۰ | • | • | ullet |
| Direction | X1 | Reverse flow (right to left) | • | • | • | • | ullet |
| 🕒 Disp | layed uni | t | | | | | |
| Bla | ink | MPa display, Rc thread | ٠ | ٠ | • | • | \bullet |
| J | 1 | MPa display, NPT, G thread | • | • | • | • | \bullet |
| 🕞 Pipir | ng adapto | r set (included) Note 9, 10 | pag | es 1 | 55 | to 1 | 57 |
| Bla | | Not attached | • | • | • | • | \bullet |
| A6 | | 1/8 piping adaptor set | • | | | _ | |
| A8 | | 1/4 piping adaptor set | | | • | • | |
| A10 | | 3/8 piping adaptor set | • | • | • | • | |
| A1: A20 | | 1/2 piping adaptor set 3/4 piping adaptor set | | - | - | • | |
| A20 | | 1 piping adaptor set | | | | - | |
| A32 | | 1 1/4 piping adaptor set | | | | | \bullet |
| * Adapt | or thread | | | | | | |
| Bla | ink | Rc thread | \bullet | \bullet | • | • | \bullet |
| Ν | | NPT thread | • | • | • | • | \bullet |
| | } | G thread | • | • | • | • | \bullet |
| G Atta | chment | Note | 11 F | Page | ə 15 | 2, 1 | 98 |
| Bla | | Not attached | • | ٠ | • | • | \bullet |
| B | | C type bracket | • | • | • | • | \bullet |
| B3W N | | L type bracket | • | | • | • | |
| G4 | | G45D-8-P10 (L: G45D-8-P04) | | • | • | • | |
| G4 | | G49D-8-P10 (L: G49D-8-P04) | • | • | • | • | |
| G5 G4 | | G59D-8-P10 (L: G59D-8-P04) G40D-8-P10 (L: G40D-8-P04) | • | | - | - | |
| G4 G5 | | G50D-8-P10 (L: G50D-8-P04) | • | | • | • | |
| G4 | | G41D-8-P10 (L: G41D-8-P04) | • | • | • | • | • |
| G5 | | G52D-8-P10 (L: G52D-8-P10) | • | • | • | • | \bullet |
| R2 N | ote 6 | Digital pressure sensor: PPX-R10N-6M | • | • | • | • | \bullet |
| | | | | | | | |

KD



Example: If W4100-W is set to set pressure 0.2 MPa and the secondary back pressure is 0.6 MPa or more, the secondary pressure will not be released to the primary side.

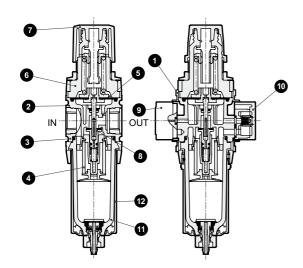
Pressure characteristics



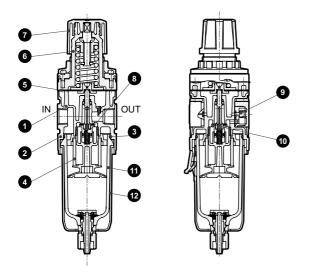
Internal structure and parts list

Internal structure and parts list





• W3100-W, W4100-W



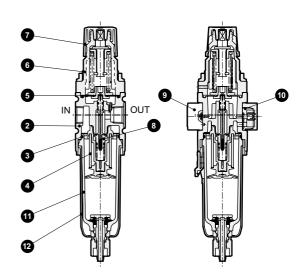
| No. | Part name | | | Material | | | | |
|-----|---------------------------|---|---|---------------------|-------------------|----------------------------|--|--|
| NO. | Part name | W1100-W | W2100-W | W3100-W | W4100-W | W8100-W | | |
| 1 | Plate cover | ABS resin | - | ABS resin | | | | |
| 2 | Body | Polyamide resin, steel | olyamide resin, steel Aluminum alloy die-casting | | | | | |
| 3 | O-ring Note 2 | | Spec | cial nitrile ru | ıbber | | | |
| 4 | Element Note 1 | Polyacetal resin Polypropylene | | | | | | |
| 5 | Diaphragm assembly | Polyacetal resin Nitrile rubber Zinc alloy die-casting nitrile rubbe | | | | | | |
| 6 | Cover | Polyamide resin | | PBT Resin | | Aluminum alloy die-casting | | |
| 7 | Knob | | Po | olyacetal re | sin | | | |
| 8 | Valve assembly | Brass, hydrogena | ited nitrle rubber (p | oolyacetal resin: W | 2100-W, W3100-V | V, W4100-W only) | | |
| 9 | Pressure gauge assembly | PBT resin, pol | yacetal resin, p | olycarbonate re | sin, nitrile rubb | er, brass, steel | | |
| 10 | Check valve full assembly | PBT res | in, nitrile ru | bber, stainl | ess steel w | ire, steel | | |
| 11 | Bowl assembly | Polycarbo | Polycarbonate resin, polyacetal resin, urethane resin | | | | | |
| 12 | Bowl guard | Polyamide resin | | Polyamide | resin, steel | | | |

Note 1: W1100-W is an element assembly.

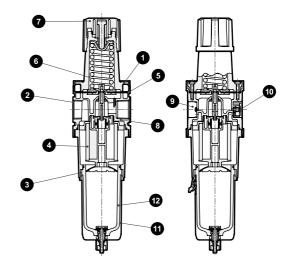
Note 2: The W1100-W O ring has a special shape.

Note 3: Refer to page 84 for repair parts kit model no.

• W2100-W



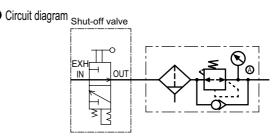
• W8100-W



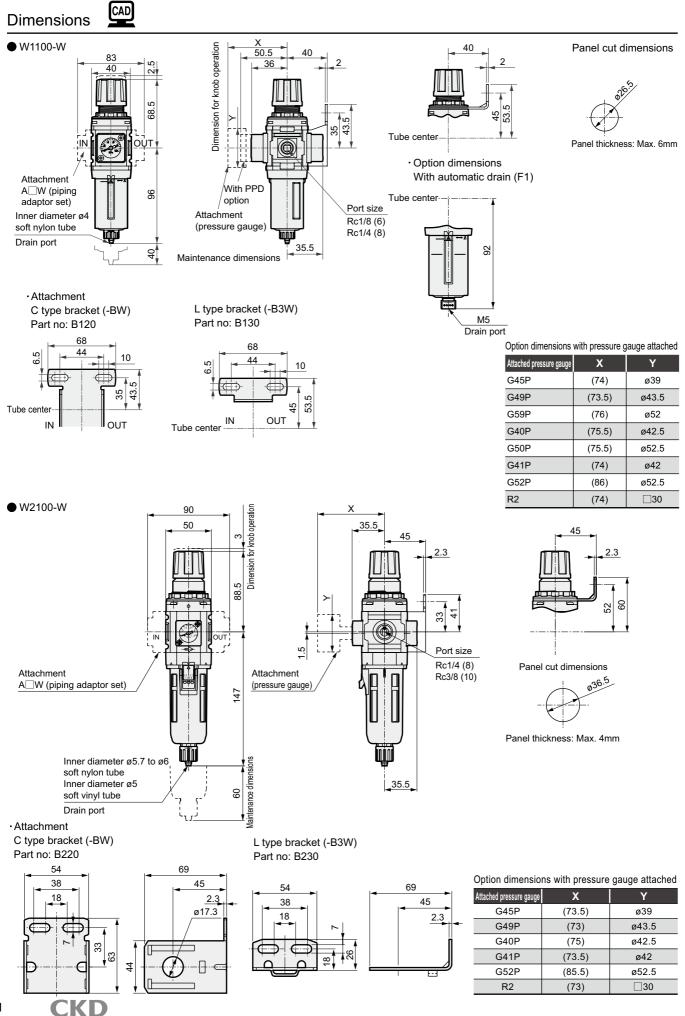
Functional explanation

When the primary pressure is introduced from the IN side, the check valve functions as a regular regulator because it closes with primary pressure and spring load. When primary pressure is released by a changeover valve such as a shut-off valve, the check valve opens with secondary pressure. Pressure in the diaphragm chamber is released and pressure drops. This causes the diaphragm to be pressed down by the pressure adjustment spring. The main valve (valve assembly) opens, and the air on the OUT side is discharged.

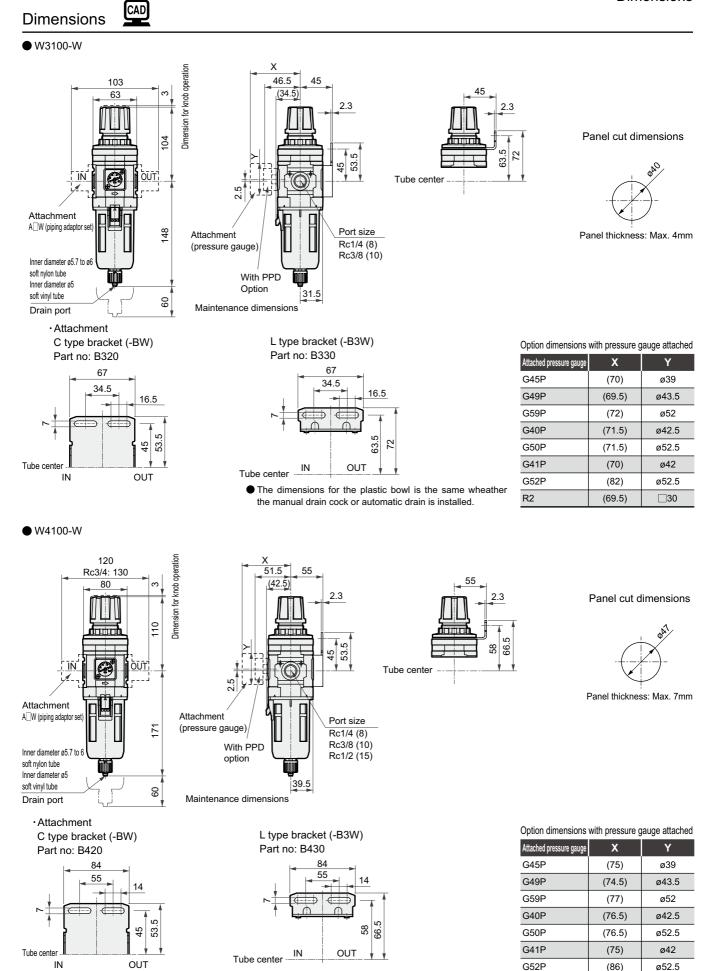
Note: Set back pressure A for when the primary pressure is released within the range in the graph for the regulator's set pressure. (Refer to page 79 for graph)



When using a shut-off valve before the reverse filter and regulator.



Dimensions



The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

R2

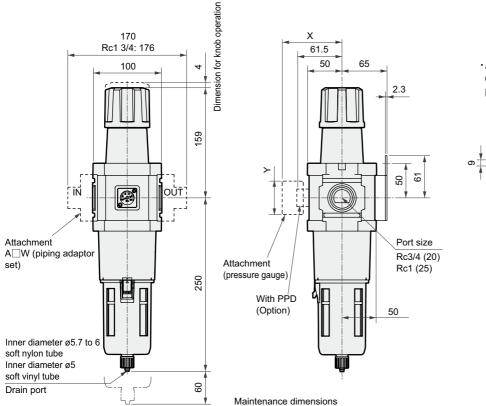
(75)

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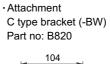
□30

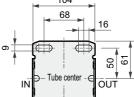
Dimensions

• W8100-W



 The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

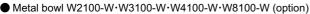


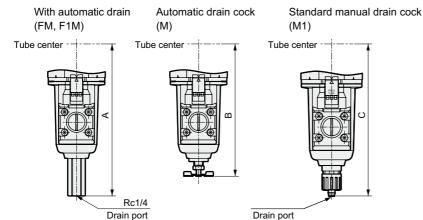


| Option dimensions | with pressure g | auge attached |
|-------------------------|-----------------|---------------|
| Attached pressure gauge | X | Y |
| G45P | (85) | ø39 |
| G49P | (84.5) | ø43.5 |
| G59P | (87) | ø52 |
| G40P | (86.5) | ø42.5 |
| G50P | (86.5) | ø52.5 |
| G41P | (85) | ø42 |
| G52P | (98) | ø52.5 |
| R2 | (85) | □30 |
| | | |

Option dimensions

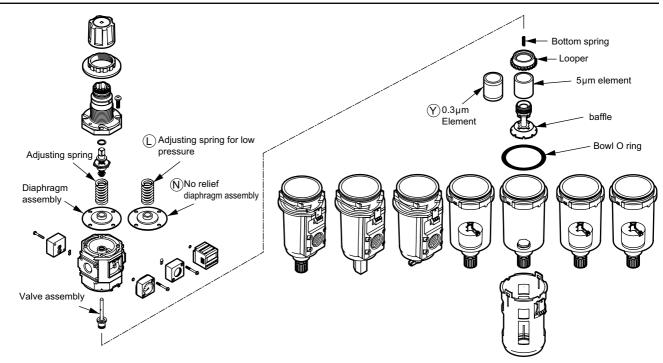






| Dimens | sions ta | ble | |
|-----------|----------|-------|-----|
| Model no. | F1M | М | M1 |
| model no. | Α | В | С |
| W2100-W | - | - | 147 |
| W3100-W | 163.5 | 143.5 | 154 |
| W4100-W | 187 | 166.5 | 177 |
| W8100-W | 266 | 245 5 | 256 |

Option, parts dimensions



Repair parts kit (Set consisting of diaphragm assembly, valve assembly, bottom spring, louver, element, baffle, bowl O ring)

| Repair kit model no. Model | Relief type diaphragm 5µm element (blank) | No relief type diaphragm 5µm element (N) | Relief type diaphragm 0.3µm element (Y) | No relief type diaphragm 0.3µm element (NY) |
|-------------------------------|--|---|--|--|
| W1000-W, W1100-W | W1000-KIT | W1000-KIT-N | — | — |
| W2000-W, W2100-W | W2000-KIT | W2000-KIT-N | — | _ |
| W3000-W, W3100-W | W3000-KIT | W3000-KIT-N | W3000-KIT-Y | W3000-KIT-NY |
| W4000-W, W4100-W | W4000-KIT | W4000-KIT-N | W4000-KIT-Y | W4000-KIT-NY |
| W8000-W, W8100-W | W8000-KIT | W8000-KIT-N | W8000-KIT-Y | W8000-KIT-NY |

Note: With the W1000-W and W1100-W, the element and baffle are assembly parts, and the louver is assembled onto the body. These parts are excluded from consumables.

Valve assembly (valve assembly and bottom spring set)

| Model | Valve assembly model no. |
|------------------|--------------------------|
| W1000-W, W1100-W | W1000-VALVE-ASSY |
| W2000-W, W2100-W | W2000-VALVE-ASSY |
| W3000-W, W3100-W | W3000-VALVE-ASSY |
| W4000-W, W4100-W | W4000-VALVE-ASSY |
| W8000-W, W8100-W | W8000-VALVE-ASSY |

* Refer to option, parts list on page 128 for adjusting spring, diaphragm and gauge plug assembly.

Refer to air filter options and parts table (pages 93 to 94) for details on the element, bowl assembly, and bowl guard.

CKD



Air filter standard white series F1000/F2000/F3000 F4000/F6000/F8000-W Series

Introducing the 5 µm element for dust removal and 0.3 µm element for tar removal 0.3 µm element series (excluding F1000 Series) port size: 1/8 to 1





Specifications

| opeomodiona | | | | | | |
|--|-----------------------------------|---------------------|--------------------|--|-----------------------------------|-----------------------------------|
| Descriptions | F1000-W | F2000-W | F3000-W | F4000-W | F6000-W | F8000-W |
| Exterior | | F | | | | |
| Working fluid | | | Compre | essed air | | |
| Max. working pressure MPa | | | 1 | .0 Note 2, 3, 4 | | |
| Withstanding pressure MPa | | | 1 | .5 Note 2 | | |
| Ambient temperature range °C | | | 5 to | o 60 | | |
| Filtration rating µm | Ę | 5 | | 5 or | 0.3 | |
| Drain capacity cm ³ | 12 | 25 | 45 | 80 | 80 | 80 Note 1 |
| Working fluid Max. working pressure MP Withstanding pressure MP Ambient temperature range °C Filtration rating µr Drain capacity cm Port size Rc, NPT, C | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, (1/2 uses a | 3/8 an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) |
| | | 0.24 | 0.25 | 0.45 | 0.9 | 1.16 |
| Standard accessories | | | Bowl | guard | | |

Note 1: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 2: When using F1000-W series "F1" with an automatic drain, the minimum operating pressure is 0.2 MPa and maximum operation pressure is 0.7 MPa. Refer to the maximum working flow table (page 87) for F1000-W-F1 with an automatic drain for details on maximum working flow. Set the working flow to less than the maximum working flow. Note 3: The automatic drain's minimum operating pressure for "F" with an automatic drain is 0.1 MPa. Initially generated drainage and air are purged until pressure reaches 0.1 MPa.

(m³/min (ANR))

(Catalog No.CC-947A)

Note 4: The automatic drain's minimum operating pressure for "F1" with an automatic drain is 0.15 MPa.

Clean specification (Catalog No. CB-033SA)

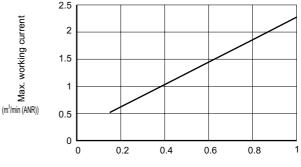
Dust generation preventing structure for use in cleanrooms

Specification for LiB production

Specification for LiB manufacturing process

F*000 - · · · · · · · · · · · (P4*

● F2000-W-F1with automatic drain max. working flow



Primary pressure (MPa)

● F1000-W-F1with automatic drain max. working flow

| Primary pressure (MPa) Port size | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|
| 6 | 0.185 | 0.250 | 0.310 | 0.375 | 0.435 | 0.500 |
| 8 | 0.225 | 0.300 | 0.375 | 0.450 | 0.525 | 0.600 |

| Automation Image: State of the set of the | | Q00-6 -W-ZA6W del no. @Port size @Port thread type @Option @Port thread type @Option @Displayed unit @Displayed unit @Piping a (include @Include When G threads or NPT threads are selected, the IN, OUT, gauge port, and drainage discharge port (metal bowl automatic drain) are the target, as are attachments P and V. Select the option from drain exhaust, bowl material and differential pressure detection. | | | | | | <u>/ ((</u> | | | o or | | |
|---|------------------|---|----------------|-----------|--------------------|--------------|-----------|----------------------------------|----------------|-----------|----------|----------|----------|
| F1000-6 - W - Z 66W * Refer page 9 for an explanation of the options. Wodel no. Port size 6 18 6 18 0< | How to order | | | | | | _ | | | | | | |
| F1000 - 6 - W - Z 66W 1 2 3 4 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | _ | ~ ~ | \ _ | | | | | | 1 | | _ | - |
| • Ordel no. • Ordel size • Symbol Descriptions • O • O • O | (F1000)-(6)(|)- W -(2 | Z)-(|)-(A6V | V)() | | • | • | 1 | 2 | 3 | 4 6 | 5 8 |
| Counterport size Port | | Ť | ſΪ | Τ | \neg | | | | 0 | 0 | 0 0 | D O |) 0 |
| OModel no. Prot size 6 1/9 8 1/4 10 3/8 11 15 1/2 20 3/4 23 1 9 Port thread type Note 9 Port thread type 9 Port thread 10 0 9 Port thread | | | | | | Syn | nbol | Descriptions | 0 | 0 | 0 | <u>ر</u> | 0 0 |
| Cutions for model No. selection for thread survey detection for thread survey for thread surv | | art oizo | <u> </u> | | 1 | B Por | t size | | | | | | |
| 10 3/8 10 3/8 112 20 3/4 25 1 20 /ul> | Model no. | | | | | | 6 | 1/8 | \bullet | | | | |
| Port thread type Port thread type Port thread type Port thread type Port thread type Port thread type | | | | | | 8 | 3 | 1/4 | \bullet | • | • | | |
| Cautions for model No. selection Weit - First Contract Co | | autions for model No. sele Men G threads or NPT threads are see he IN, OUT, gauge port, and drainage dis sort (metal bowl automatic drain) are the as are attachments P and V. Select the option from drain exhaust material and differential pressure detection When selecting options for several iter | | | 1 | 0 | 3/8 | | • | • | | | |
| Cautions for model No. selection Wet 1: When G threads or NPT threads are selected, thre Not Spip adaptor set (notuded) (| | | | | | 1 | 5 | 1/2 | | | | | |
| | | | | | | 2 | 0 | 3/4 | | | | | |
| Port thread type Blank Rc thread Rc threa | | Port size Port thread type Opt | | | | 2 | 5 | 1 | | | | | |
| Port thread type Blank Rc thread Rc threa | | | | I | | C Por | t thread | type | | | | No | te |
| Cautions for model No. selection (included) (included | | OPort thread | | | | | | | | | • | | • |
| • Option | | | | | | 1 | 1 | NPT thread | | \bullet | • | | |
| • Option | | | | | | - C | 3 | | | • | • | | |
| Born better best best best best best best best best | | | rt thread type | | | | ion | | | | | No | to 1 |
| Cautions for model No. selection. When a selected, the NA OUT, gauge port, and drainage discharge port (metal bowl automatic drain with marked overde (NC type) F1 Automatic drain with marked overde (NC type) Blank Net attached F1 Automatic drain with marked overde (NC type) Blank Standard flow (left to right) F1 Automatic drain with marked overde (NC type) F1 Automatic drain with marked overde (NC type) Blank MPa display, Rc thread F1 Automatic drain with marked overde (NC type) Blank Not attached F1 Automatic drain with marked overde (NC type) Blank Not attached F1 Automatic drain with marked overde (NC type) F2 Automatic drain with marked overde (NC type) F1 Automatic drain with marked overde (NC type) F2 Automatic drain with marked overde (NC type) F1 Automatic drain with marked overde (NC type) F2 Automatic | | | | n | | Opt | | With manual drain cock | | | | | |
| Cautions for model No. selection tens, ist options for set ends. bowl material of the set of th | | | | | | | | | | | | | |
| Note 3 FF Large exhaust automatic drain with manual overide (N0 type) Biank Polycarbonate bowl Bowl Z Note 3 FF1 Large exhaust automatic drain with manual overide (N0 type) Biank Polycarbonate bowl Cautions for model No. selection When 3 the No. Unit automatic drain with manual overide (N0 type) Biank Piping adaptor set (included) (a Structure of the No. Unit automatic drain with manual overide (N0 type) Biank Biank Biank Biank Biank Biank Biank Signal Cautions for model No. selection Mote 3 Fiping adaptor set (included) Aloge apator set Aloge adaptor set Aloge adapto | | | | | | Drainage | | , ,, ,, | | | | | |
| Note 3 FF1 Lage ehust atuntic dain with manual overide (N0 type) 0 0 0 Bowl Z Nylon bowl 0 0 0 0 0 Bowl Z Nylon bowl 0 | | | | | | Dramage | | · · · · · · | H | | | - | |
| | | | | | | Note 3 | | | \vdash | | | + | \pm |
| Bowl Z Nylon bowl Imaterial M Metal bowl Imaterial | | | | | | | | | | | | | |
| Imaterial M Metal bowl Imaterial M Metal bowl Imaterial Imaterial M Metal bowl Imaterial Imaterial M Metal bowl Imaterial Imaterial Imaterial M Metal bowl Imaterial | | | | | | Bowl | | | | | | | + |
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| Image: Second | | | | | | materiai | | | \vdash | | | | + |
| Image: Constraint of the set of the | | | | | | | | | | | | | + |
| Internal pressure detection port Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) Image: Standard flow (left to right) <td< td=""><td></td><td></td><td></td><td></td><td></td><td>Element</td><td></td><td>•</td><td>\blacksquare</td><td></td><td></td><td></td><td>4</td></td<> | | | | | | Element | | • | \blacksquare | | | | 4 |
| Image: Second | | | | | | Differential | | , | | | | | + |
| Flow Blank Standard flow (left to right) • | | | | | | | | | | | | | + |
| Image: Carrier of the light of the ligh | | | | | | <u>.</u> | | | | | | | - |
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| Displayed unit Blank MPa display, Rc thread Displayed unit Blank MPa display, Rc thread Displayed unit Blank MPa display, NPT, G thread Displayed unit MPa display, NPT, G thread Displayed unit Piping adaptor set (included) Note 4 pages 155 to 157 Note Blank Not attached A6*W 1/8 piping adaptor set A10*W 3/8 piping adaptor set A10*W 3/8 piping adaptor set A10*W 3/4 piping adaptor set A20*W 3/4 piping adaptor set A20*W 11/4 piping adaptor set A22*W 11/4 piping adaptor set A32*W 11/4 piping adaptor set MN NPT thread M NPT thread M 0 | | | | | | | | | | ╧ | <u> </u> | _ | <u> </u> |
| Cautions for model No. selection Ide 1: When G threads or NPT threads are selected, the IN, OUT, gauge port, and drainage discharge port (metal bowl automatic drain) are the target, as are attachments P and V. Ide 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. | | | G | | ed unit | | | | | | L | Ļ | 4 |
| Piping adaptor set (included) Piping adaptor set (included) Piping adaptor set (included) Piping adaptor set (included) Piping adaptor set Blank Not attached Note 4 pages 155 to 157 Note Blank Not attached A6*W 1/8 piping adaptor set A6*W 1/8 piping adaptor set A6*W 1/8 piping adaptor set A6*W 1/4 piping adaptor set A8*W 1/4 piping adaptor set A10*W 3/8 piping adaptor set A15*W 1/2 piping adaptor set A20*W 3/4 piping adaptor set A25*W 1 piping adaptor set A25*W 1 piping adaptor set A25*W 1 1/4 piping adaptor set A32*W 1 1/4 piping adaptor set | | | | | | | | | | • | | | |
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| A6*W 1/8 piping adaptor set A6*W 1/4 piping adaptor set A8*W 1/4 piping adaptor set A10*W 3/8 piping adaptor set A15*W 1/2 piping adaptor set A20*W 3/4 piping adaptor set A20*W 3/4 piping adaptor set A20*W 1/4 piping adaptor set A32*W 1 1/4 piping adaptor set A32*W 1 1/4 piping adaptor set Blank Rc thread N NPT thread N NPT thread M M N N N N M M | | | | | | Bla | ink | Not attached | \bullet | • | • | |) (|
| A10*W 3/8 piping adaptor set Image: Constraint of the set of | | | | | | A6 | *W | 1/8 piping adaptor set | \bullet | | | | |
| A15*W 1/2 piping adaptor set A15*W 1/2 piping adaptor set A20*W 3/4 piping adaptor set A20*W 1 piping adaptor set A32*W 1 piping adaptor set Blank Rc thread Wen selecting options for several items, list options in order from the top. M N NPT thread G G thread | | | | | | A8 | *W | 1/4 piping adaptor set | \bullet | • | • | | |
| A Cautions for model No. selection A 20*W 3/4 piping adaptor set Indet 1: When G threads or NPT threads are selected, the IN, OUT, gauge port, and drainage discharge port (metal bowl automatic drain) are the target, as are attachments P and V. Indet 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. N NPT thread G G thread | | | | | | A10 |)*W | 3/8 piping adaptor set | \bullet | ullet | • | | |
| A20*W 3/4 piping adaptor set A20*W 3/4 piping adaptor set A25*W 1 piping adaptor set A32*W 1 1/4 piping adaptor set Blank Rc thread When selecting options for several items, list options in order from the top. Image: select of the selection of the selecti | A Coutions fo | | | otion | | A15 | 5*W | 1/2 piping adaptor set | | ullet | • | | |
| the IN, OUT, gauge port, and drainage discharge port (metal bowl automatic drain) are the target, as are attachments P and V. Iote 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. $M = \frac{1}{4} | | | J. SEIE | | | A20 |)*W | 3/4 piping adaptor set | | | | |) |
| port (metal bowl automatic drain) are the target, as are attachments P and V. Note 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. Note 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. | | | | , | | A25 | 5*W | 1 piping adaptor set | | | | |) |
| as are attachments P and V. Note 2: Select the option from drain exhaust, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top. * Adaptor thread type Blank Rc thread N NPT thread G G thread • • • • • • • • • • • • • • • • • • • | | • | • | • | | A32 | 2*W | 1 1/4 piping adaptor set | | | | |) |
| material and differential pressure detection.NNPT threadImage: Constrained of the second sec | | | | , largel, | | * Adap | tor threa | ad type | | | | | |
| When selecting options for several items, list options in order from the top. N NPT thread Image: Constraint option optin option opting optin option option option option opting option o | | | | | | Bla | ink | Rc thread | \bullet | • | • | |) |
| options in order from the top. G G thread | | • | | | | 1 | 1 | NPT thread | \bullet | • | • | | |
| | options in order | from the top. | | | | (| 3 | G thread | \bullet | • | • | |) |

G Bracket (attached)

Not attached

C type bracket

Blank

BW

GBracket

(attached)

- Note 3: Refer to page 12 for working conditions of the automatic drain.
- Note 4: The piping adapter set and C bracket cannot be used together.
- Note 5: A joiner set is attached with the piping adapter set.

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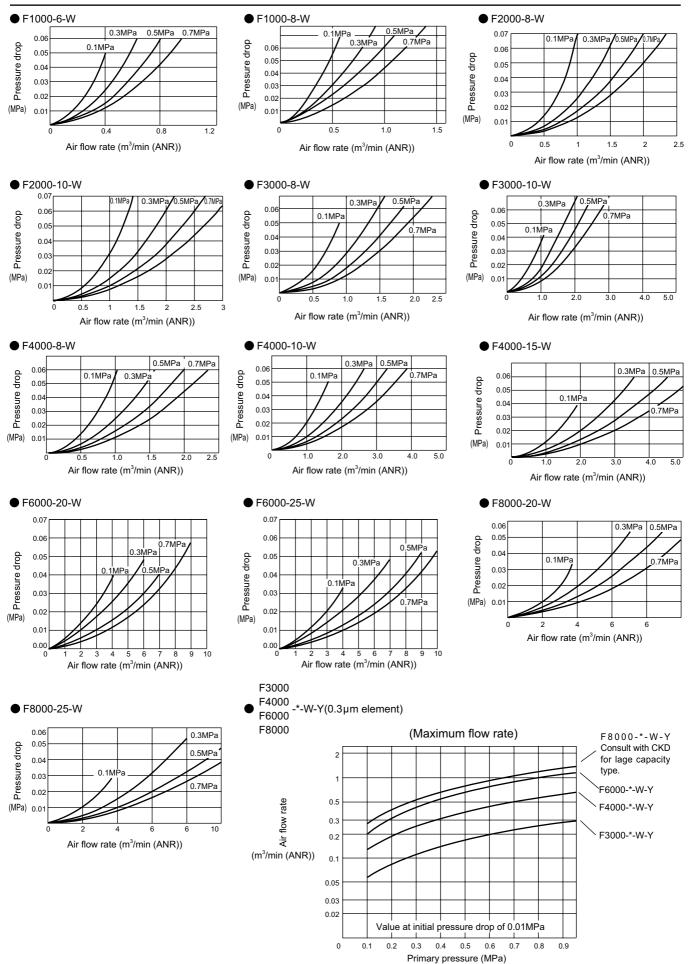
Page 152

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Air Filter Series

Air Filter Series

Flow characteristics

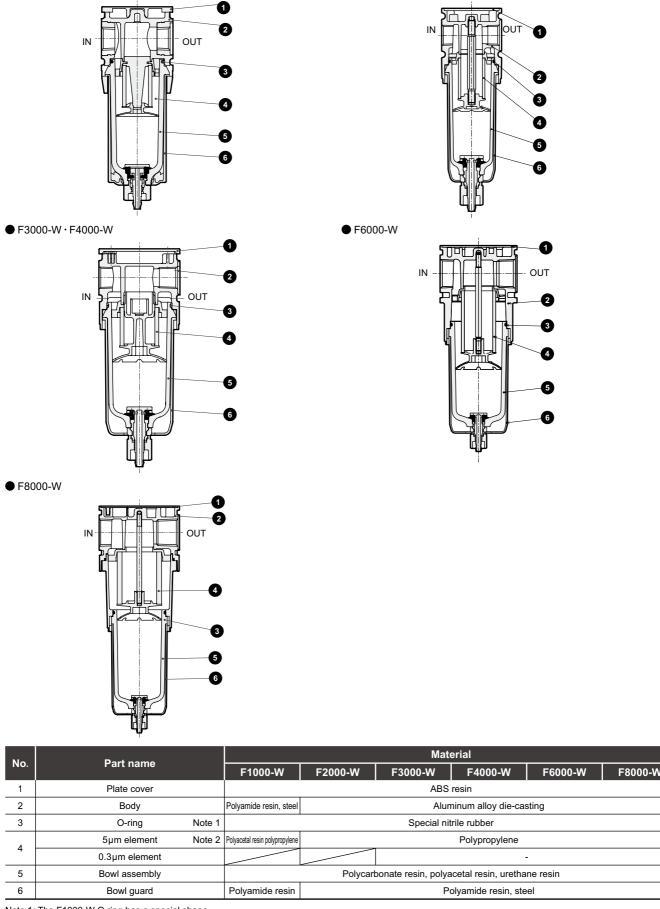


87 **CKD**



Internal structure and parts list

• F1000-W



• F2000-W

Note 1: The F1000-W O ring has a special shape.

Note 2: F1000-W is an element assembly.

Note 3: Refer to page 93 for comsumable parts kits.

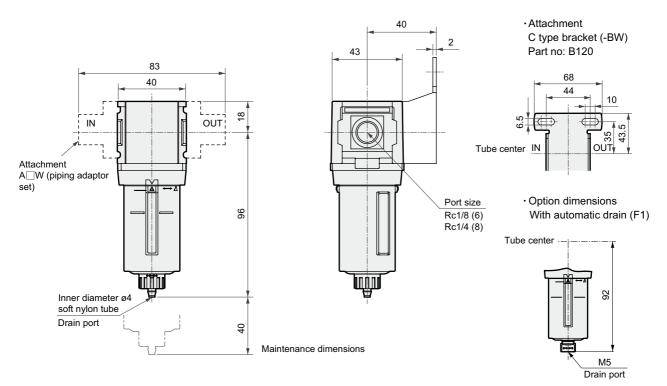
88

Air Filter Series

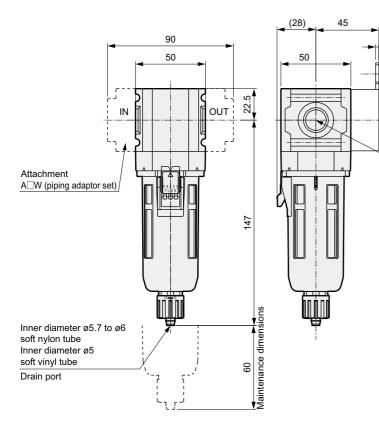
CAD

Dimensions

• F1000-W



• F2000-W

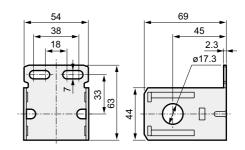


• Attachment C type bracket (-BW) Part no: B220

2.3

Port size Rc1/4 (8) Rc3/8 (10)

41

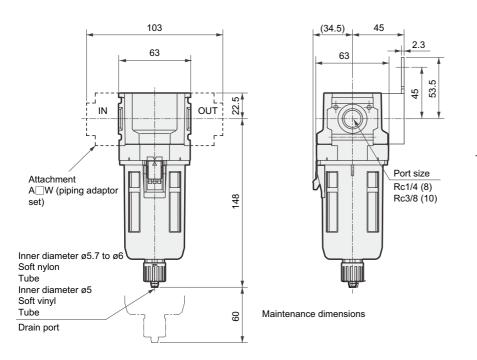


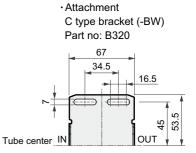
Air Filter Series Dimensions

Dimensions

CAD



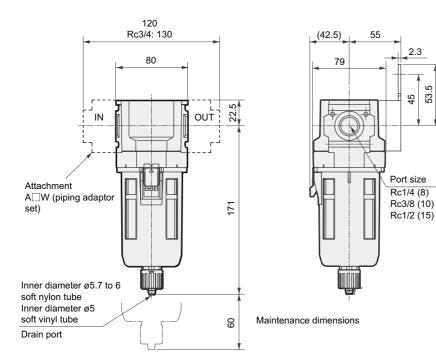




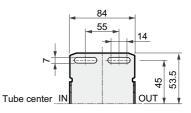
• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.

• F4000-W



 Attachment C type bracket (-BW) Part no: B420



2.3

45

53.5

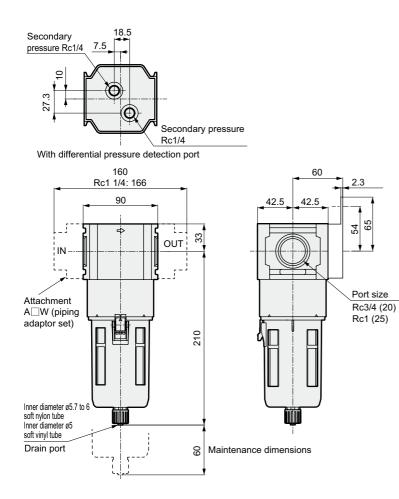
The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

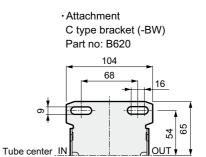
Air Filter Series

CAD

Dimensions

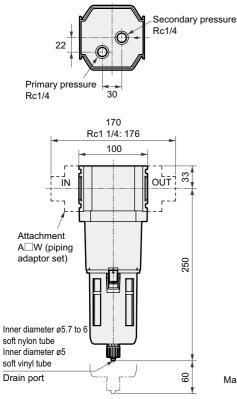
• F6000-W

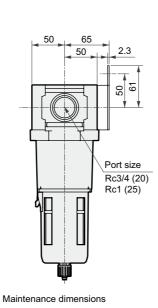




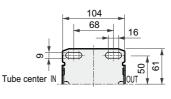
• F8000-W

With differential pressure detection port (Q)





 Attachment C type bracket (-BW) Part no: B820



- The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.
- Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.

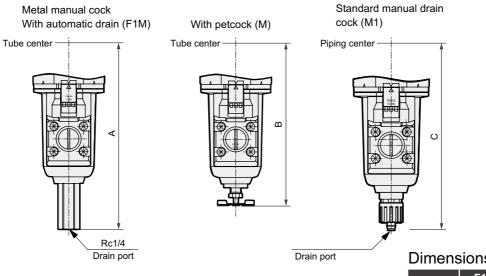
91



Option dimensions

Metal bowl F2000-W·F3000-W·F4000-W·F6000-W·F8000-W (option)

CAD



Dimensions table

| Model no. | F1M | М | M1 |
|-----------|-----|-------|-----|
| woder no. | Α | В | С |
| F2000-W | - | - | 147 |
| F3000-W | 164 | 143.5 | 154 |
| F4000-W | 187 | 166.5 | 177 |
| F6000-W | 226 | 205 | 216 |
| F8000-W | 266 | 245.5 | 256 |
| | | | |

Air Filter Series

Optional parts drawing

Element

| Liement | | |
|-------------------|--------------------|-----------------|
| Element model no. | 5µm | 0.3µm |
| Model | Element | Element (Y) |
| F1000-W | F1000-ELEMENT-ASSY | - |
| W1000-W, W1100-W | W1000-ELEMENT-ASSY | - |
| F2000-W | F2000-ELEMENT | - |
| W2000-W, W2100-W | W2000-ELEMENT | - |
| F3000-W, FM3000-W | F3000-ELEMENT | F3000-ELEMENT-Y |
| W3000-W, W3100-W | W3000-ELEMENT | W3000-ELEMENT-Y |
| F4000-W, FM4000-W | F4000-ELEMENT | F4000-ELEMENT-Y |
| W4000-W, W4100-W | W4000-ELEMENT | W4000-ELEMENT-Y |
| F6000-W, FM6000-W | F6000-ELEMENT | F6000-ELEMENT-Y |
| F8000-W, FM8000-W | F8000-ELEMENT | F8000-ELEMENT-Y |
| W8000-W, W8100-W | W8000-ELEMENT | W8000-ELEMENT-Y |

Note: Baffle and element will be an assembly forF1000-W·W1000-W

(M1)

Metal bowl with manual drain cock assembly

(FM1)

Automatic drain NO type metal bowl assembly with manual drain cock (F1M1)

(F)

_______F1

(FF)

(FF1)

Automatic drain NO type metal bowl assembly with manual drain cock

NC type automatic drain nylon bowl

assembly with manual cock

* 8000 series large exhaust

assembly with manual cock

assembly with manual cock

NO type large automatic drain bow

NC type large automatic drain bowl

Automatic drain NC type metal bowl assembly with manual drain cock



* 8000 series large exhaust (FFM1) Large automatic drain NO type metal bowl assembly with manual drain cock

(FF1M1) with manual drain cock

Large automatic drain NC type metal bowl assembly

(FM)

NO type automatic drain nylon bowl assembly with metal manual cock (F1M) (M) NC type with metal manual cock Metal bowl assembly Automatic drain bowl assembly with cock

Rc1/4

* 8000 series large exhaust (FFM) NO type large automatic drain nylon bowl assembly with metal manual cock (FF1M) NC type large automatic drain nylon bowl

assembly with metal manual cock

Repair kit

(Se of louver, baffle, element and an O ring for bowl)

| Repair kit model no. | 5µm Element | 0.3µm |
|--------------------------|----------------|-------------|
| Model | Element | Element (Y) |
| F1000-W Note1 | F1000-KIT | - |
| F2000-W | F2000-KIT | - |
| F3000-W, FM3000-W | F3000-KIT | F3000-KIT-Y |
| F4000-W, FM4000-W | F4000-KIT | F4000-KIT-Y |
| F6000-W, FM6000-W | F6000-KIT | F6000-KIT-Y |
| F8000-W, FM8000-W Note 2 | F8000-KIT | F8000-KIT-Y |

Note 1: For F1000-W, the baffle and element are assembled parts, so the set consists of element assembly and bowl O ring.

Note 2: For F8000, consists of baffle, element and bowl O ring

Bowl guard

 \bigotimes

0.3µm Element

| Bowl guard model no. | For polycarbonate | Nylen bewl |
|---|---------------------|-----------------------|
| Model | bowl | Nylon bowl |
| F1000-W, W1000-W, W1100-W | F1000-W-BOWL-GUARD | F1000-W-BOWL-GUARD-Z |
| L1000-W | L1000-W-BOWL-GUARD | L1000-W-BOWL-GUARD-Z |
| M1000-W | M1000-W-BOWL-GUARD | M1000-W-BOWL-GUARD-Z |
| F2000-W, W2000-W, W2100-W | F2000-W-BOWL-GUARD | F2000-W-BOWL-GUARD-Z |
| W3100-W, F3000-W, W3000-W, M3000-W | F3000-W-BOWL-GUARD | F3000-W-BOWL-GUARD-Z |
| L3000-W | L3000-W-BOWL-GUARD | L3000-W-BOWL-GUARD-Z |
| F4000-W, W4000-W, M4000-W, W4100-W, F6000-W M6000-W, W8100-W, F8000-W, W8000-W, M8000-W | F4000-W-BOWL-GUARD | F4000-W-BOWL-GUARD-Z |
| L4000-W, L8000-W | L4000-W-BOWL-GUARD | L4000-W-BOWL-GUARD-Z |
| W8100-W, F8000-W, W8000-W-FF, FF1 | DT4000-W-BOWL-GUARD | DT4000-W-BOWL-GUARD-Z |

Body

Louver

Baffle

 (\mathbb{Z})

Bowl assembly with

Bowl guard

manual cock

5µm element

Bowl O ring

With manual cock

lífí

Nylon bowl assembly

(FZ)

(F1Z)

8000 series large

NO type large automatic drain with manual cock

NC type large automatic drain with manual cock

nylon bowl assembly

nylon bowl assembly

(FFZ)

(FF1Z)

NO type automatic drain

NC type automatic drain nylon bowl assembly

nylon bowl assembly

with manual cock

with manual cock

Note: The bowl guard for the 1000 Series F1 is sold as a set with the bowl assembly. The model no. is "F1000-W-BOWL-BOWL-GUARD-F1"

Air Filter Series

Bowl assembly (Set of bowl assembly and bowl O ring)

| Dowr assem | ibly (Set of a | bowi assemb | iy and bowl v | U ring) | | | | |
|--|---|--|--|--|---|---|--|--|
| Bowl assembly model no. Model | PC bowl assembly with manual cock | PA bowl assembly with manual cock | Metal bowl assembly with manual cock | Metal bowl assembly with standard manual cock | NO type automatic drain PC bowl assembly with manual cock Note 1 | NC type automatic drain PC bowl assembly with manual cock | | |
| F1000-W, W1000-W M1000-W, W1100-W | F1000-W-BOWL | F1000-W-BOWL-Z | - | - | - | F1000-W-BOWL-BOWL GUARD-F1 Note 3 | | |
| F2000-W, W2000-W M2000-W, W2100-W | F2000-W-BOWL | F2000-W-BOWL-Z | - | F2000-W-BOWL-M1 | - | F2000-W-BOWL-F1 | | |
| F3000-W, M3000-W W3000-W, W3100-W | F3000-W-BOWL | F3000-W-BOWL-Z | F3000-W-BOWL-M | F3000-W-BOWL-M1 | F3000-W-BOWL-F | M3000-W-BOWL-F1 | | |
| FM3000-W, MM3000-W | - | - | | - | - | - | - | |
| F4000-W, F6000-W M4000-W, M6000-W F8000-W, M8000-W W4000-W, W4100-W W8000-W, W8100-W | F4000-W-BOWL | F4000-W-BOWL-Z | F4000-W-BOWL-M | F4000-W-BOWL-M1 | F4000-W-BOWL-F | M4000-W-BOWL-F1 | | |
| FM4000-W, FM6000-W FM8000-W, MM4000-W MM6000-W, MM8000-W | - | - | | - | - | - | | |
| Bowl assembly model no. Model | NO type automatic drain PA bowl assembly with manual cock Note 1 | NC type automatic drain PA bowl assembly with manual cock | NO type automatic drain metal bowl assembly with metal manual cock Note 1 | NO type automatic drain with standard manual cock metal bowl assembly | NC type automatic drain metal bowl assembly with metal manual cock | NC type automatic drain metal bowl assemblywith standard manual cock | NO type automatic drain bowl assembly for medium pressure Note 1 | NC type automatic drain bowl assembly for medium pressure |
| F1000-W, W1000-W M1000-W, W1100-W | - | F1000-W-BOWL- BOWL GUARD- F1Z Note 3 | - | - | - | - | - | - |
| F2000-W, W2000-W M2000-W, W2100-W | - | M2000-W-BOWL-F1Z | - | - | - | M2000-W-BOWL-F1M1 | - | - |
| F3000-W, M3000-W W3000-W, W3100-W | F3000-W-BOWL-FZ | M3000-W-BOWL-F1Z | F3000-W-BOWL-FM | F3000-W-BOWL-FM1 | M3000-W-BOWL-F1M | M3000-W-BOWL-F1M1 | - | - |
| FM3000-W, MM3000-W | - | - | - | - | - | - | FM3000-W-BOWL-F | MM3000-W-BOWL-F1 |
| F4000-W, F6000-W M4000-W, M6000-W F8000-W, M8000-W W4000-W, W4100-W W8000-W, W8100-W | F4000-W-BOWL-FZ | M4000-W-BOWL-F1Z | F4000-W-BOWL-FM | F4000-W-BOWL-FM1 | M4000-W-BOWL-F1M | M4000-W-BOWL-F1M1 | - | - |
| FM4000-W, FM6000-W FM8000-W, MM4000-W MM6000-W, MM8000-W | | - | - | - | - | - | FM4000-W-BOWL-F | MM4000-W-BOWL-F1 |
| Bowl assembly model no. Model | NO type large automatic drain PC bowl assembly with manual cock | NC type large automatic drain PC bowl assembly with manual cock | NO type large automatic drain PA bowl assembly with manual cock | NC type large automatic drain PA bowl assembly with manual cock | NO type large automatic drain metal bowl assembly with metal manual cock | NC type large automatic drain metal bowl assembly with metal manual cock | NO type large automatic drain metal bowl assembly with standard manual cock | NC type large automatic drain metal bowl assembly with standard manual cock |
| F8000-W, W8000-W W8100-W | F8000-W-BOWL-FF | F8000-W-BOWL-FF1 | F8000-W-BOWL-FFZ | F8000-W-BOWL-FF1Z | F8000-W-BOWL-FFM | F8000-W-BOWL-FF1M | F8000-W-BOWL-FFM1 | F8000-W-BOWL-FF1M1 |
| | | | | | | | | |

Note 1: NO type automatic drain is not available for oil mist filter M1000-W, M3000-W, M4000-W, M6000-W, oil mist filter for medium pressure MM3000-W, MM4000-W, MM6000-W, MM8000-W.

Note 2: The large discharge automatic drain cannot be installed on the M8000-W.

Note 3: The bowl assembly for the 1000 Series F1 is sold as a set with the bowl guard.



Oil mist filter Standard white series M1000/M2000/M3000 M4000/M6000/M8000-W Series

Ideal for circuits susceptible to oil, including measuring, and instrumentation circuits Port size: 1/8 to 1

JIS symbol



Specifications

| Descriptions | M1000-W | M2000-W | M3000-W | M4000-W | M6000-W | M8000-W |
|--------------------------------|-----------------------|-------------|--------------|-----------------------|-------------------------|-------------------------|
| Exterior | | | | | | |
| Working fluid | | | Compre | essed air | | |
| Working pressure range MPa | | | 0.1 to 1.0 N | lote 7, Note 8 | | |
| Withstanding pressure MPa | | | 1.5 N | lote 7 | | |
| Drain capacity cm ³ | 3 | 25 | 45 | 80 | 80 | 80 |
| Port size Rc, PT, | 1/8, 1/4 | 1/4, | 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 |
| POILSIZE RC, PI, | (3/8 uses an adaptor) | (1/2 uses a | an adaptor) | (3/4 uses an adaptor) | (1 1/4 uses an adaptor) | (1 1/4 uses an adaptor) |
| Product weight kg | 0.096 | 0.25 | 0.28 | 0.52 | 0.95 | 1.35 |
| Standard accessories | | | Bowl | guard | | |

| Mantle option name | | Blank (M type) | S (S type) | X (X type) |
|---|---------------------------------|--|------------|---------------------------------------|
| | M1000-□-W | 150 Note 7 | 150 Note 7 | 150 |
| Maximum flow rate Note 1 | M2000-□-W | 250 Note 7 | 310 Note 7 | 310 |
| ℓ/min (ANR) | M3000-□-W | 360 | 450 | 450 |
| Primary pressure 0.7 MPa | M4000-□-W | 825 | 1000 | 1000 |
| at pressure drop 0.01MPa | essure drop 0.01MPa M6000W 1270 | | 1400 | 1400 |
| | M8000-□-W | 2600 | 2900 | 2900 |
| Ambient temperature range | e ℃ | 5 to 60 | | 5 to 30 |
| Filtration rating µm | | 0.01 (nominal) | 0.3 | Adsorption by activated carbon Note 4 |
| Secondary oil concentration mg/m ³ | | 0.01 or less Note 2, Note 3 0.5 or less Note 2 | | 0.003 or less Note 5 |
| Mantle (element) replacem | ient | 1 year (6000 hours) or pressure drop of 0.1MPa | | - Note 6 |

Note 1: Use within the maximum processing flow rate. If the maximum processing flow is exceeded temporarily, or if the filter is installed at a place with high levels of pulsation, the mantle could be damaged or oil or drainage, etc., could splatter to the secondary side and result in faults at the terminal.

Note 2: The secondary oil density is the value when the primary oil density is 30 mg/m³ and inlet air temperature is 21°C.

Note 3: Install an oil mist filter (S type) as a prefilter on the primary side to prevent early clogging.

Note 4: Activated carbon particles could flow to the secondary side, so install an air filter (F Series) or oil mist filter (M Series M type or S type) on the secondary side. Note 5: When an oil mist filter (M Series M type) is installed on the primary side.

Note 6: The mantle (element) replacement period depends on the odor density in compressed air, and thus cannot be clearly indicated.

Consider the total period from initial installation to when the smell of oil is confirmed as the effective deodorizing period, and replace at the same time as the M type or replace according to period of use. (e.g. 1000 hours of use at 21°C or confirmation of smell, which ever comes first.

The primary air temperature must be 30°C or less. The deodorizing effect will drop if the temperature is high, so provide heat dissipation measures.

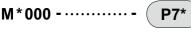
Note 7: When "F1" with an automatic drain is selected for the F1000 series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and the guaranteed pressure resistance is 1.05 MPa. Refer to the maximum processing flow table (page 97) for the F1000-F1 automatic drain for the maximum working flow. Note 8: The minimum operating pressure is 0.15 MPa for models with automatic drain "F1".



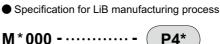


(Catalog No.CC-947A)

Dust generation preventing structure for use in cleanrooms

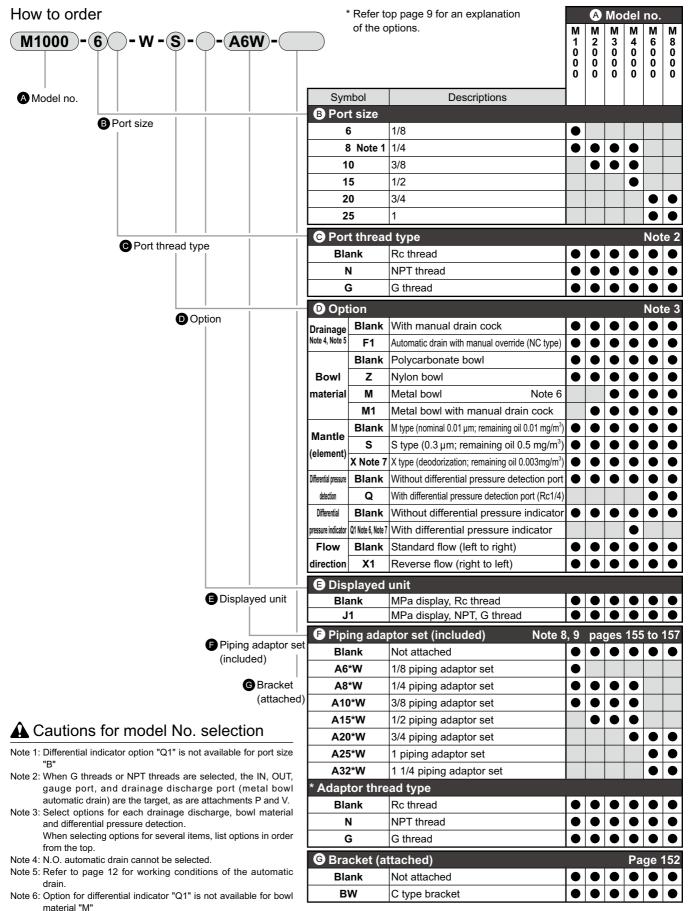


CKD





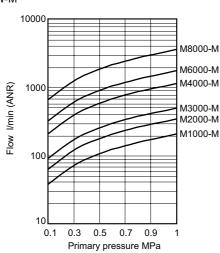
How to order



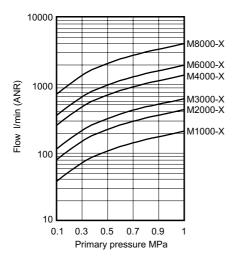
- Note 7: Combination with option F1 or "Q1" with differential pressure indicator is not possible.
- Note 8: The piping adapter set and C bracket cannot be used together.
- Note 9: A joiner set is attached with the piping adapter set.

Flow characteristics (Maximum flow rate)

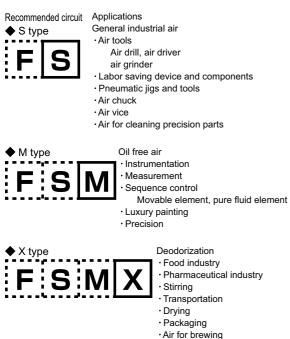
• M*000-W-M



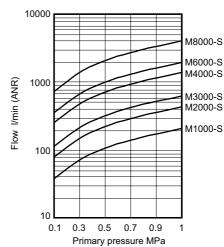
• M*000-W-X

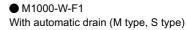


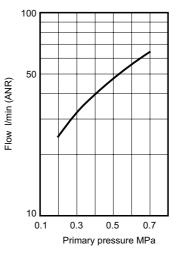
Selecting optional mantle for oil mist filters



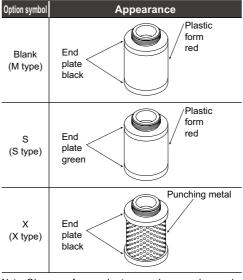








Option symbol and shap of mantles

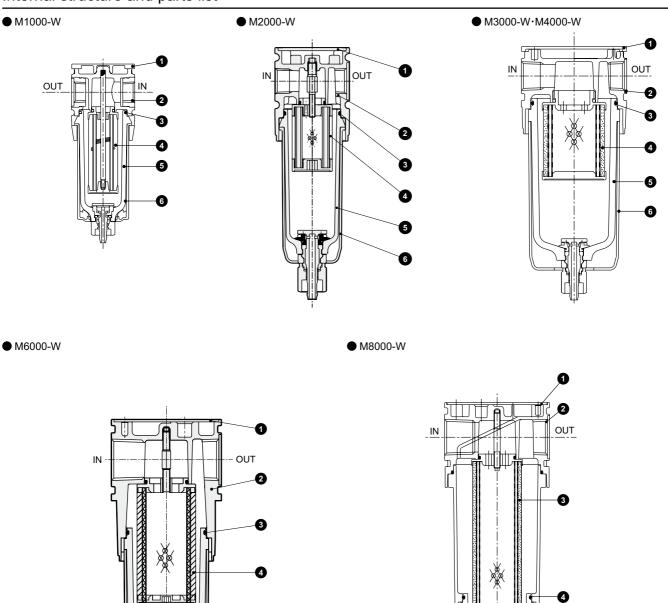


Note: Changes for product upgrades may be made without prior notice.

When placing an order, confirm the option symbol for the part model given here.

Internal structure and parts list

Internal structure and parts list



| No. | Part name | Material | | | | | |
|-----|-----------------|---|---------|---------|---------|---------|---------|
| NO. | | M1000-W | M2000-W | M3000-W | M4000-W | M6000-W | M8000-W |
| 1 | Plate cover | ABS resin | | | | | |
| 2 | Body | Polyamide resin Aluminum alloy die-casting | | | | | |
| 3 | O-ring Note 1 | Special nitrile rubber | | | | | |
| 4 | Mantle assembly | - | | | | | |
| 5 | Bowl assembly | Polycarbonate resin, polyacetal resin, urethane resin | | | | | |
| 6 | Bowl guard | Polyamide resin, steel | | | | | |
| | | | | | | | |

6

6

Note 1: The M1000-W O ring has a special shape.

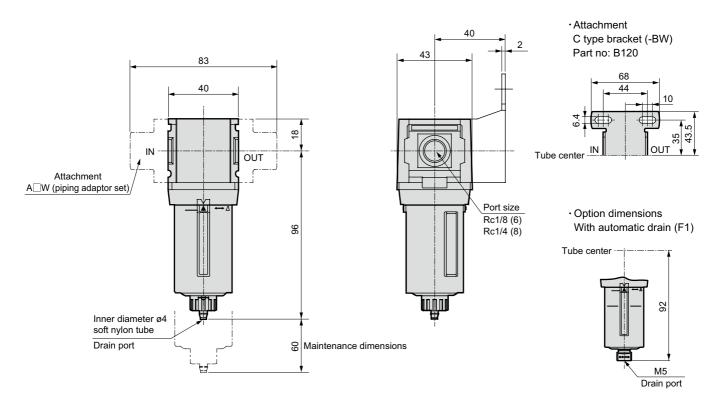
98

5

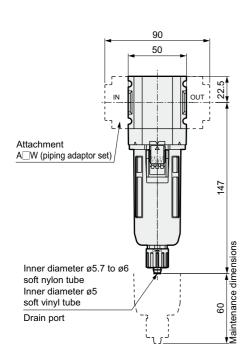
6

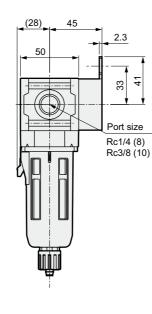
Dimensions CAD

• M1000-W

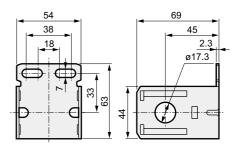


• M2000-W

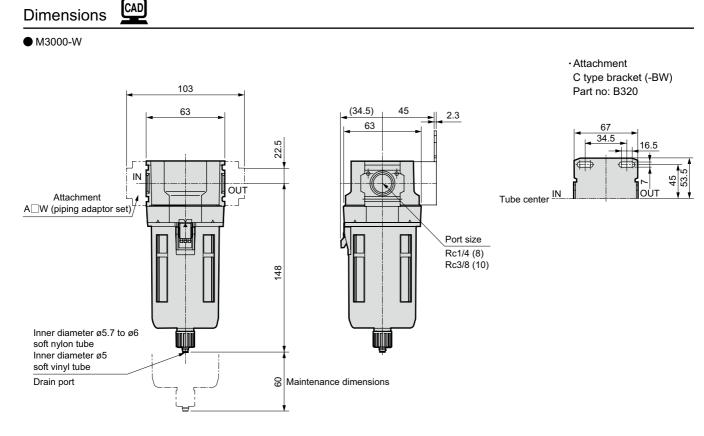




Attachment
 C type bracket (-BW)
 Part no: B220

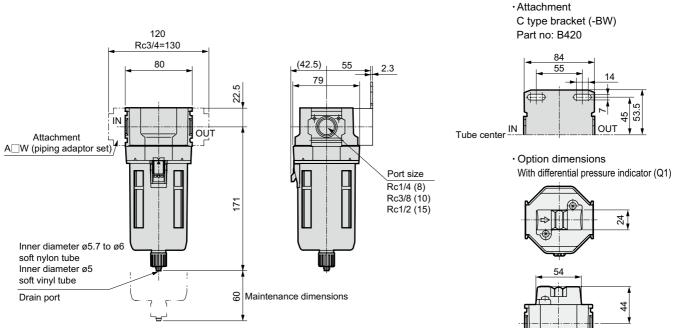


Dimensions



• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.



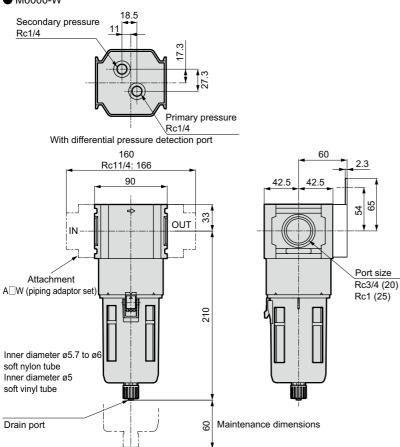


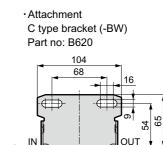
• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

CAD

Dimensions

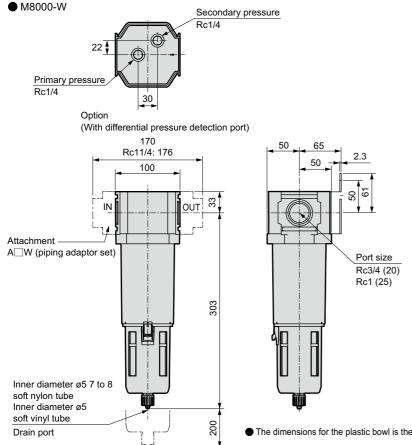




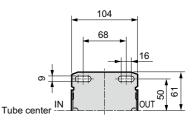


IN Tube center

• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed. Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.



 Attachment C type bracket (-BW) Part no: B820

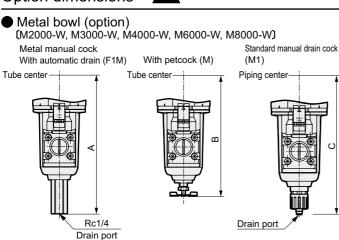


The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.

Oil Mist Filter series Optional dimensions, optional parts

Option dimensions

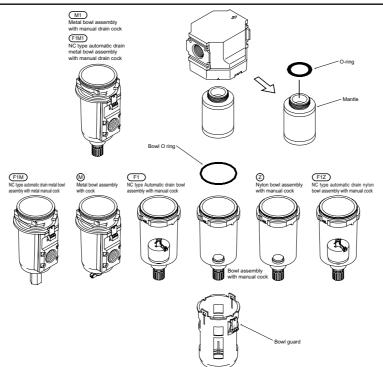
CAD



Dimensions table

| Model no. | F1M | М | M1 |
|-----------|-----|-------|-----|
| model no. | Α | В | С |
| M2000-W | - | - | 147 |
| M3000-W | 164 | 143.5 | 154 |
| M4000-W | 187 | 166.5 | 177 |
| M6000-W | 226 | 205 | 216 |
| M8000-W | 319 | 298 | 309 |

Option parts table for oil mist filter



Repair kit model no. (Set of O ring, mantle and bowl O ring)

| Model | M type | S type | X type | | | | | |
|-------------------|--------------|---------------|-------------|--|--|--|--|--|
| M1000-W | M1000-KIT | M1000-KIT-S | M1000-KIT-X | | | | | |
| M1000-W-F1 | M1000-KIT-F1 | M1000-KIT-F1S | - | | | | | |
| M2000-W | M2000-KIT | M2000-KIT-S | M2000-KIT-X | | | | | |
| M3000-W, MM3000-W | M3000-KIT | M3000-KIT-S | M3000-KIT-X | | | | | |
| M4000-W, MM4000-W | M4000-KIT | M4000-KIT-S | M4000-KIT-X | | | | | |
| M6000-W, MM6000-W | M6000-KIT | M6000-KIT-S | M6000-KIT-X | | | | | |
| M8000-W, MM8000-W | M8000-KIT | M8000-KIT-S | M8000-KIT-X | | | | | |

Repair kit model no. (Set of O ring and mantle)

| Model | M type | S type | X type |
|-------------------|----------------------|-----------------------|---------------------|
| M1000-W | M1000-MANTLE-ASSY | M1000-MANTLE-ASSY-S | M1000-MANTLE-ASSY-X |
| M1000-W-F1 | M1000-MANTLE-ASSY-F1 | M1000-MANTLE-ASSY-F1S | - |
| M2000-W | M2000-MANTLE-ASSY | M2000-MANTLE-ASSY-S | M2000-MANTLE-ASSY-X |
| M3000-W, MM3000-W | M3000-MANTLE-ASSY | M3000-MANTLE-ASSY-S | M3000-MANTLE-ASSY-X |
| M4000-W, MM4000-W | M4000-MANTLE-ASSY | M4000-MANTLE-ASSY-S | M4000-MANTLE-ASSY-X |
| M6000-W, MM6000-W | M6000-MANTLE-ASSY | M6000-MANTLE-ASSY-S | M6000-MANTLE-ASSY-X |
| M8000-W, MM8000-W | M8000-MANTLE-ASSY | M8000-MANTLE-ASSY-S | M8000-MANTLE-ASSY-X |

* Parts of M type are compatible with M1000-W, 3000-W, 4000-W, 8000-W Series manufactured before '98.5.

* Refer to air filter options and parts table for details on bowl assembly, and bowl guard.



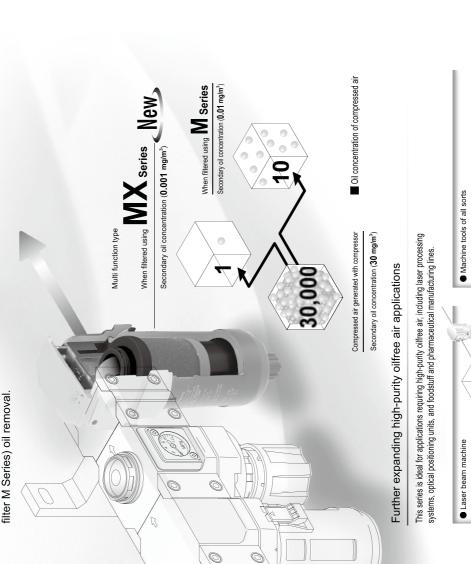


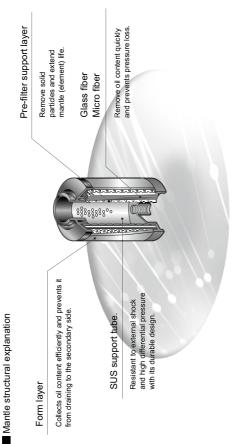
High performance oil mist filter

MX Serise

High-performance with x10 oil removal.

Highly efficient oil removing mantle removes oil up to a secondary oil concentration 0.001 mg/m³. MX Series high-performance oil mist filter with x10 (compared to oil mist filter M Series) oil removal.





Secondary oil concentration 0.001mg/m³ or less

A system is configured with module connections in the same manner as the conventional filter F Series and

Modular connection possible

The highly efficient oil removing mantle removes oil up to the secondary oil concentration of 0.001 mg/m³ at 21°C. This series is compatible with the JIS Standards Oil Class 1.

High precision filtration

Removes impurities down to 0.01µm.

Five types -- MX1000, 3000, 4000, 6000, and 8000 --are available for different flow.

Diverse models

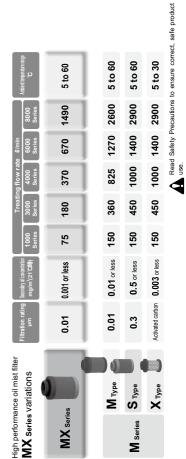
oil mist filter M Series.

Long service life, low pressure loss

Fibers with a gap rate of 94% used for the mantle reduces pressure loss and prolong service life.

P70 Series available. (3000, 4000, 6000 Series available)

Suitable for clean room



all sorts

Moving table

Optical position detector

Dust proof box

Norkpiece

CKD



High performance oil mist filter Standard white Series MX1000/MX3000/MX4000 MX6000/MX8000-W Series

Secondary side oil concentration 0.001 mg/m³Secondary oil concentration (0.001mg/m³) Suitable for optical equipment such as optical positioning units and laser processing machines Port size: 1/8 to 1 JIS symbol У



Specifications

| opecifications | | | | | | | | |
|---|-----------------------|--|-------------------------|-------------------------|-------------------------|--|--|--|
| Descriptions | MX1000-W | MX3000-W | MX4000-W | MX6000-W | MX8000-W | | | |
| Exterior | | | | | | | | |
| Working fluid | | | Compressed air | | | | | |
| Working pressure range MPa | | 0 | .1 to 1.0 Note 4, Note | 5 | | | | |
| Withstanding pressure MPa | | | 1.5 Note 4 | | | | | |
| Ambient temperature range °C | | | 5 to 60 | | | | | |
| Filtration rating µm | | | 0.01 (nominal) | | | | | |
| Secondary oil concentration mg/m ³ | | 0.0 | 001 or less Note 2, Not | e 3 | | | | |
| Maximum flow rate {/min (ANR) Note 1 | 75 Note 4 | 180 | 370 | 670 | 1480 | | | |
| Drain capacity cm ³ | 3 | 45 | 80 | 80 | 80 | | | |
| Port size Rc, PT, G | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 | | | |
| | (3/8 uses an adaptor) | (1/2 uses an adaptor) | (3/4 uses an adaptor) | (1 1/4 uses an adaptor) | (1 1/4 uses an adaptor) | | | |
| Product weight kg | 0.096 | 0.28 | 0.52 | 0.95 | 1.35 | | | |
| Mantle (element) replacement | | 1 year (6000 hours) or pressure drop of 0.1MPa | | | | | | |
| Standard accessories | | | Bowl guard | | | | | |
| | | | | | | | | |

Note 1: Primary pressure 0.7MPa Use within the maximum processing flow rate.

If the maximum processing flow is exceeded temporarily, or if the filter is installed at a place with high levels of pulsation, the mantle could be damaged or oil or drainage, etc., could splatter to the secondary side and result in faults at the terminal.

Note 2: The secondary oil density is the value when the primary oil density is 30 mg/m³, the inlet air temperature is 21°C and before the oil is saturated.

Note 3: Install an oil mist filter (S type) as a prefilter on the primary side to prevent early clogging.

Note 4: MX1000-W-F1 with an automatic drain has a min. working pressure of 0.2MPa, max. working pressure of 0.7MPa, withstanding pressure of 1.05MPa, and please refer to the flow characteristics on the next page for max. treating flow rate.

Note 5: The minimum operating pressure is 0.15 MPa for models with automatic drain "F1".

Clean specification (Catalog No. CB-033SA)

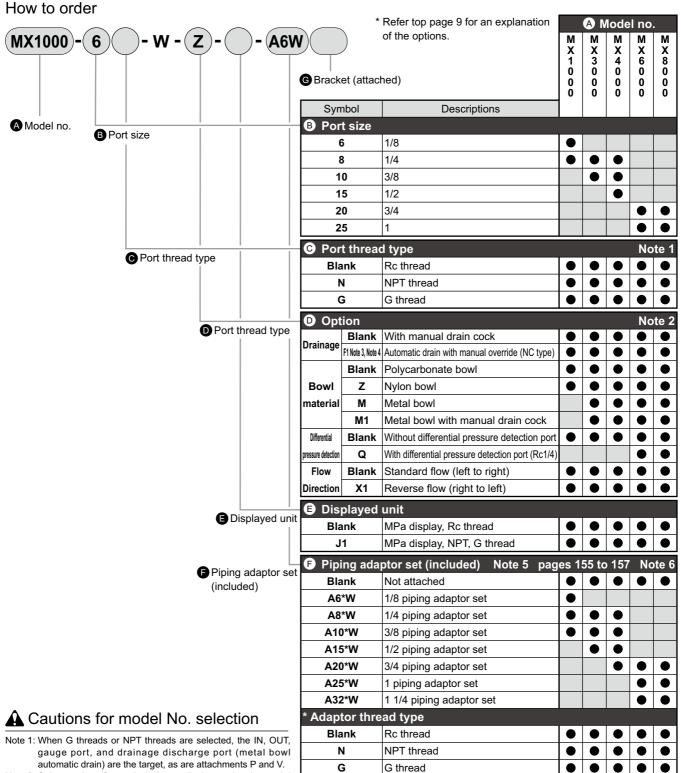
Dust generation preventing structure for use in cleanrooms

MX*000 - · · · · · · -

P7*

Super Oil Mist Filter Series

How to order



G Bracket (attached)

Not attached

C type bracket

Blank

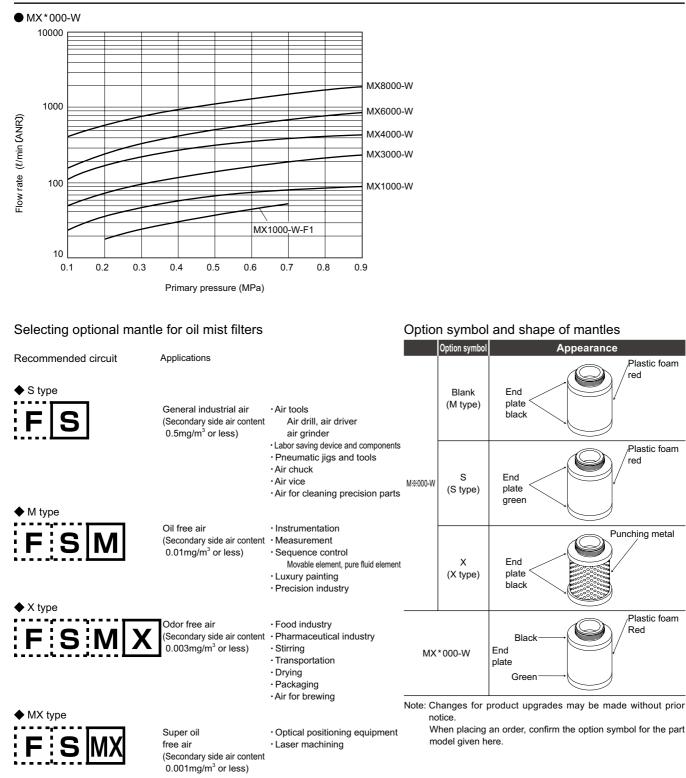
BW

- Note 2: Select options for each drainage discharge, bowl material and differential pressure detection. When selecting options for several items, list options in order
 - from the top. $3 \times N_{\odot}$ automatic drain cannot be selected
- Note 3: N.O. automatic drain cannot be selected.
- Note 4: Refer to page 12 for working conditions of the automatic drain.
- Note 5: Piping adaptor set and C type bracket cannot be used togather.
- Note 6: A joiner set is attached with the piping adapter set.

Page 152

Super Oil Mist Filter Series

Flow characteristics (Maximum flow rate)

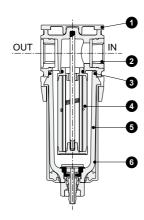


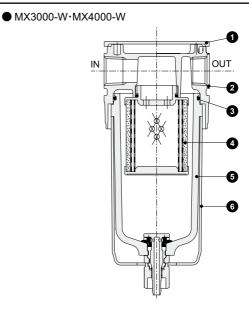
CAUTION: Secondary oil contentis measured at inlet air temperature of 21 degrees celcius and primary oil content of 30mg/m³.

Super Oil Mist Filter Series Internal structure and parts list

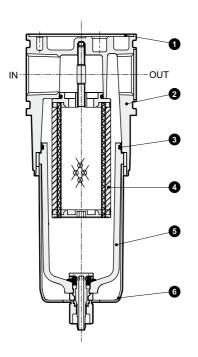
Internal structure and parts list

• MX1000-W

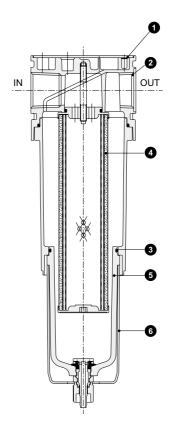




• MX6000-W



• MX8000-W

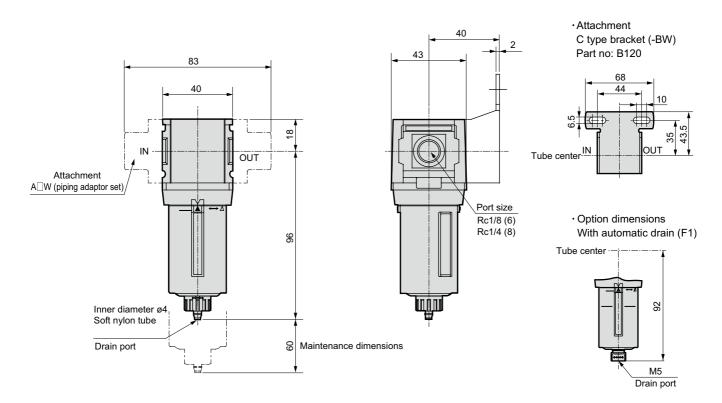


| No. | Part name | Material | | | | |
|-----|-----------------|---|----------------------------|----------|----------|----------|
| | | MX1000-W | MX3000-W | MX4000-W | MX6000-W | MX8000-W |
| 1 | Plate cover | ABS resin | | | | |
| 2 | Body | Polyamide resin | Aluminum alloy die-casting | | | |
| 3 | O-ring Note 1 | Special nitrile rubber | | | | |
| 4 | Mantle assembly | - | | | | |
| 5 | Bowl assembly | Polycarbonate resin, polyacetal resin, urethane resin | | | | |
| 6 | Bowl guard | Polyamide resin, steel | | | | |

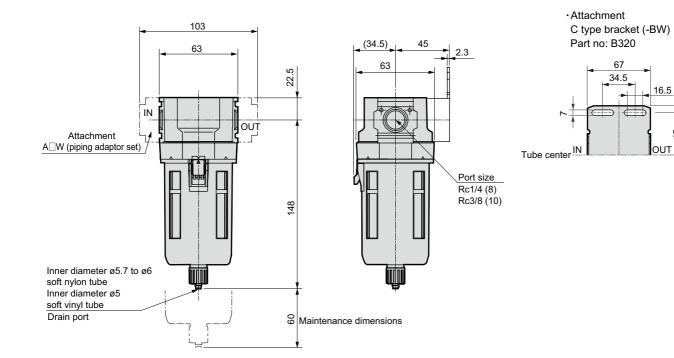
Note 1: O ring for MX1000-W will have a special shape.

Dimensions

• MX1000-W



• MX3000-W



53.5

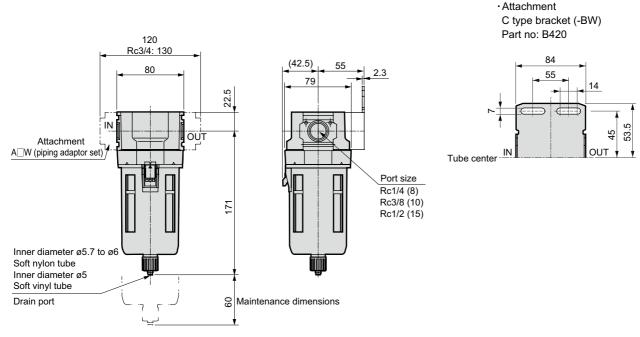
45

• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed. Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.

Dimensions

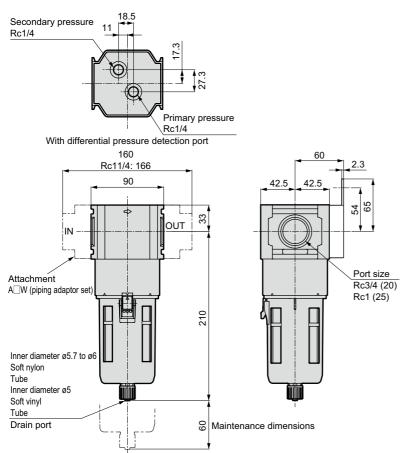
Dimensions

• MX4000-W

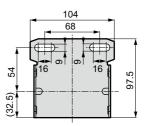


• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed.



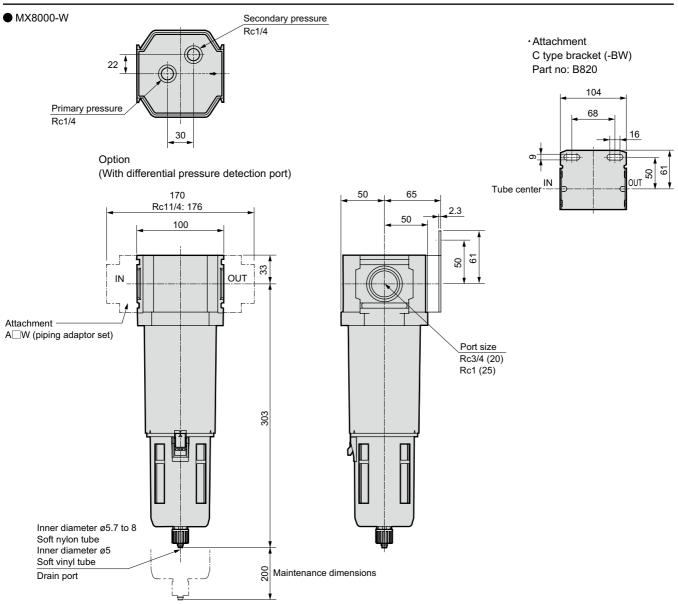


• Attachment C type bracket (-BW) Part no: B620



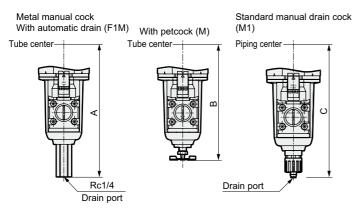
• The dimensions for the plastic bowl is the same wheather the manual drain cock or automatic drain is installed. Note: The C-type bracket and piping adapter set attachments cannot be used at the same time.

Dimensions



• For the plastic bowl, the dimensions are the same regardless of whether the manual cock or with automatic drain.

Metal bowl (option) (MX3000-W, MX4000-W, MX6000-W, MX8000-W)

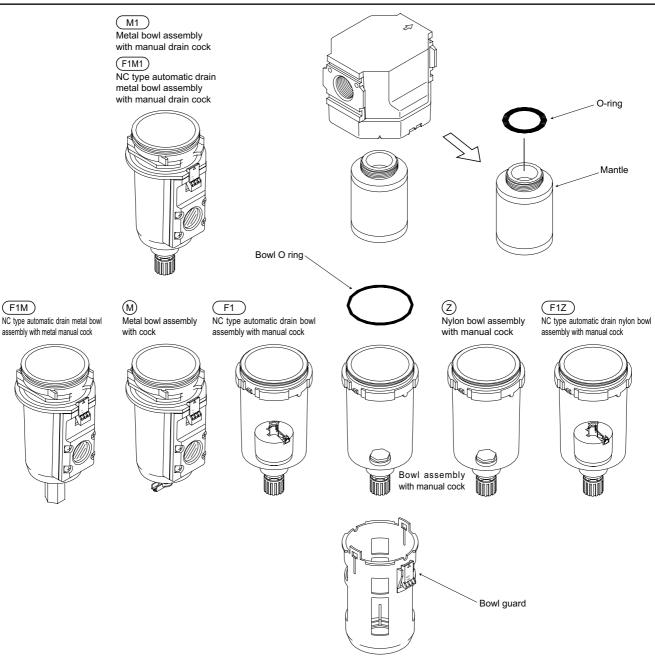


Dimensions table

| Model no. | F1M | М | M1 |
|-----------|-----|-------|-----|
| woder no. | Α | В | С |
| MX3000-W | 164 | 143.5 | 154 |
| MX4000-W | 187 | 166.5 | 177 |
| MX6000-W | 226 | 205 | 216 |
| MX8000-W | 319 | 298 | 309 |

Optional parts table

Option parts table for oil mist filter



Repair kit model no. (Set of O ring, mantle and bowl O ring)

| Model | |
|-------------|---------------|
| MX1000-W | MX1000-KIT |
| MX1000-W-F1 | MX1000-KIT-F1 |
| MX3000-W | MX3000-KIT |
| MX4000-W | MX4000-KIT |
| MX6000-W | MX6000-KIT |
| MX8000-W | МХ8000-КІТ |

Repair kit model no. (Set of O ring and mantle)

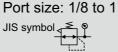
| Model | |
|-------------|-----------------------|
| MX1000-W | MX1000-MANTLE-ASSY |
| MX1000-W-F1 | MX1000-MANTLE-ASSY-F1 |
| MX3000-W | MX3000-MANTLE-ASSY |
| MX4000-W | MX4000-MANTLE-ASSY |
| MX6000-W | MX6000-MANTLE-ASSY |
| MX8000-W | MX8000-MANTLE-ASSY |

%Refer to the air filter Option and parts table on page 93 and 94 for bowl assy and bowl guard.



Regulator Standard white series R1000/R2000/R3000 R4000/R6000/R8000-W Series

Low profile with built in pressure gauge.

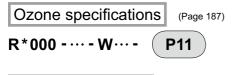




Specifications

| Descriptions | R1000-W | R2000-W | R3000-W | R4000-W | R6000-W | R8000-W | | |
|------------------------------|---|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|--|--|
| Exterior | | | | | | | | |
| Working fluid | | | Compre | ssed air | | | | |
| Max. working pressure MPa | | | 1 | 1 | | | | |
| Withstanding pressure MPa | | | 1. | .5 | | | | |
| Ambient temperature range °C | | | 5 to | o 60 | | Note 1 | | |
| Set pressure range MPa | 0.05 to 0.85 | | | | | | | |
| Relief | With relief mechanism | | | | | | | |
| Port size Rc, NPT, G | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 | | |
| | (3/8 uses an adaptor) | (1/2 uses an adaptor) | (1/2 uses an adaptor) | (3/4 uses an adaptor) | (1 1/4 uses an adaptor) | (1 1/4 uses an adaptor) | | |
| Product weight kg | 0.16 | 0.31 | 0.45 | 0.7 | 1.0 | 1.6 | | |
| Standard accessories | Standard accessories Pressure gauge, nut for panel mount Pressure gauge | | | | | | | |

Note 1: The working temperature for the PPD option "R1" is 5 to 50°C.



Clean specification (Catalog No. CB-033SA)

Dust generation preventing structure for use in cleanrooms

R*000 - · · · · · · · · · **P7***

Specification for LiB production • Specification for LiB manufacturing process

(Catalog No.CC-947A)

R*000 - · · · · · · -

P4*

How to order

| How to order | | | * Refer top page 9 for an explanation | | | | 500 1 | | |
|--|------------|---------------|---|-----------|-----------|-----------|-----------|-----------|--------|
| | | | of the options. | | A | Mode | el no |). | |
| (R1000)-(6)-()-W-(L)-()-(| Â6V | V)(| | R 1 | R 2 | R 3 | R 4 | R 6 | R 8 |
| | \frown | \sim \sim | G Attachment | 0 | 0 | 0 | 0 | 0 | 0 |
| | | <u> </u> | r set (included) | 0 | 0 | 0 | 0 | 0 | 0 |
| | Sym | | Descriptions | Ŭ | | | Ŭ | Ŭ | |
| A Model no. | Port | | | | | | | | |
| | 6 | | 1/8 | • | | | | | |
| | 8 | | 1/4 | • | • | | | | |
| | 10 | ט | 3/8 | | \bullet | | | | |
| | 1 | 5 | 1/2 | | | | • | | |
| | 20 | | 3/4 | | | | | | |
| | 2 | 5 | 1 | | | | | | |
| |) Port | threac | I type | | | | | No | te |
| C Port thread type | Bla | | Rc thread | | | | | | |
| | N | | NPT thread | • | | | | • | |
| | G | ; | G thread | • | | | | • | |
| |) Opti | on | | | | | | No | to |
| D Option | essure | | 0.05 to 0.85MPa | | | | | | 16 |
| | Range | - | 0.05 to 0.35MPa Note 3 | | | | | | |
| | anye | | | | • | | | | |
| R | Relief | Blank N | With relief mechanism | | • | | • | • | |
| - | | | Non-relief type | | • | | | • | |
| | - | | Standard pressure gauge (G401-W) | • | • | | | | |
| Pro | essure | T | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | • | | | | | |
| g | auge | T8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | • | | | • | • | |
| | | Т6 | Compatibility with digital pressure sensor PPX Note 4 | • | • | | • | • | |
| | | R1 | Pressure switch with display PPD assembled Note 5 | • | | | • | | |
| | Flow | Blank | Standard flow (left to right) | • | | | | | |
| Dir | rection | X1 | Reverse flow (right to left) | | | | | | |
| |) Disp | blayed | unit | | | | | | |
| Displayed unit | Bla | nk | MPa display, Rc thread | | | | | | |
| | J | 1 | MPa display, NPT, G thread | \bullet | | | | | |
| | Pini | na ada | ptor set (included) No | te 6 | 7 1 | page | s 15 | 5 to | 1! |
| | Bla | - | Not attached | | | ouge | | | |
| - | A6* | | 1/8 piping adaptor set | | | | - | | |
| — | A8* | | 1/4 piping adaptor set | | | | | | |
| — | A10 | | 3/8 piping adaptor set | | | | • | | |
| | A15 | | | • | | | • | | |
| | | | 1/2 piping adaptor set | | - | | | | |
| | A20 | | 3/4 piping adaptor set | | | | - | | |
| · – | A25 A32 | | 1 piping adaptor set | | | | | | |
| 🛕 Cautions for model No. selection 🖕 | - | | 1 1/4 piping adaptor set | | | | | | |
| Note 1: G and NPT threads are available for IN, OUT, | | | ad type | | | | | | |
| and gauge ports. | Bla | | Rc thread | | | | | | |
| Note 2: When selecting options for several items, list | N | | NPT thread | | | | | | |
| options in order from the top. Note 3: Pressure gauge display range will be 0 to 0.4 | G | i | G thread | | | | | | |
| MPa for option "L". | Atta | chmen | t | N | ote | 8 Pa | age | 152, | 1 |
| Note 4: When option "T6" is selected, only "blank" or "R2" is selected for the (G) pressure gauge | Bla | nk | Not attached | \bullet | \bullet | \bullet | \bullet | \bullet | |
| (enclosed). The digital pressure sensor PPX | BV | N | C type bracket | \bullet | \bullet | \bullet | \bullet | \bullet | |
| mounting port (Rc1/8) is assembled ventilated. | B3 | W Note 5 | L type bracket Note 9 | | | | | | |
| Note 5: Output type will be NPN transistor output. Consult with CKD if PNP transistor output is required. | B4 | W | B type bracket | | | | | | |
| Note 6: The piping adapter set and C bracket cannot be | G4 | 5P | G45D-8-P10 (L: G45D-8-P04) | ٠ | | | | ٠ | |
| used together. | G4 | 9P | G49D-8-P10 (L: G49D-8-P04) | • | | | | | |
| Note 7: A joiner set is attached with the piping adapter set. | G5 | | G59D-8-P10 (L: G59D-8-P04) | | | | | | (|
| Note 8: If NPT is selected for the "C" piping thread type, | G4 | | G40D-8-P10 (L: G40D-8-P04) | • | • | | | • | (|
| a NPT pressure gauge is enclosed. If Rc or G | G5 | | G50D-8-P10 (L: G50D-8-P04) | | • | | | | |
| thread is selected, an R thread pressure gauge is enclosed. | G4 | | G41D-8-P10 (L: G41D-8-P04) | | | | | • | |
| Note 9: Refer to Section(2. Regulator), in "APRECAUTIONS | G5 | | G52D-8-P10 (L: G52D-8-P10) | | | | | | 1 |
| for Installation and Adjustment" (page 15) for details | | | | | | | | | |

Note 9: Refer to Section (2. Regulator), in "APRECAUTIONS for Installation and Adjustment" (page 15) for details on mounting the L-type bracket.

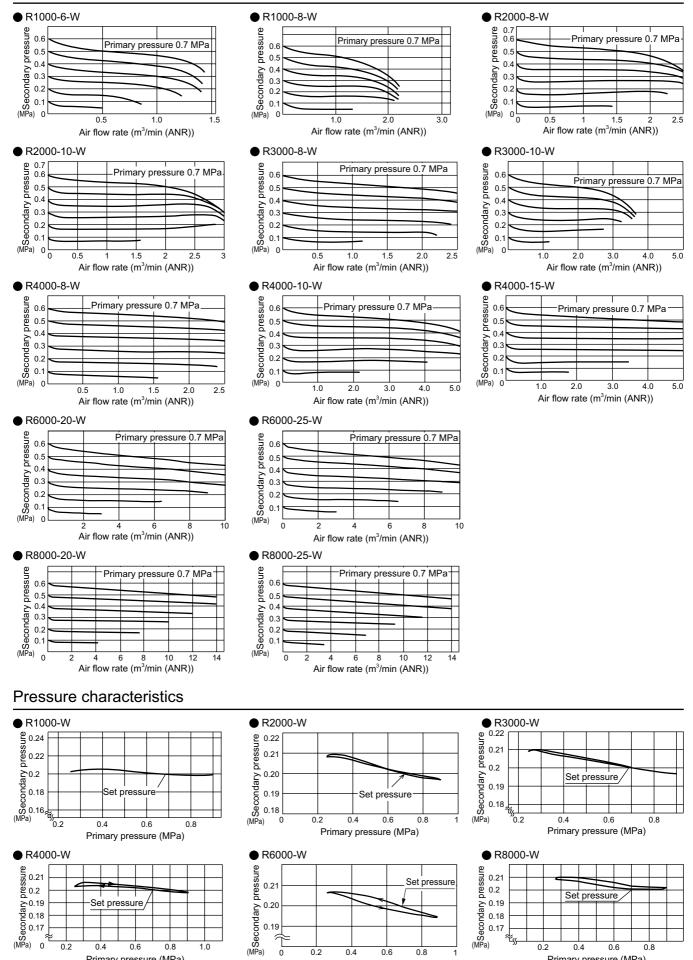
•

•

R2 Note 4 Digital pressure sensor: PPX-R10N-6M

 \bullet

Flow characteristics



0.19 1

0

0.2

04

0.6

Primary pressure (MPa)

0.8

0.2

0.4

0.6

Primary pressure (MPa)

0.8

0.2

0.4

KD

0.6

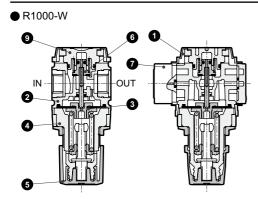
Primary pressure (MPa)

0.8

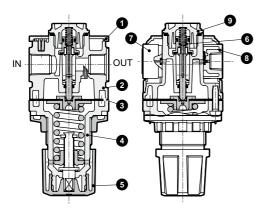
1.0



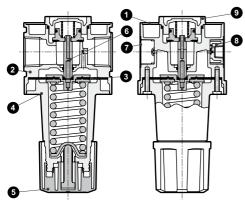
Internal structure and parts list

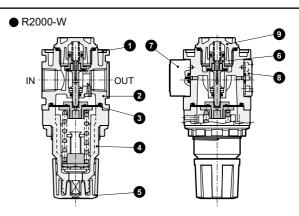


● R3000-W·R4000-W

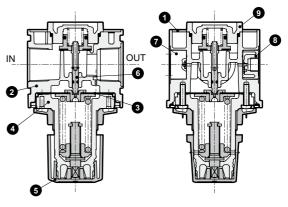


• R8000-W





• R6000-W



| No. | Part name | Material | | | | | |
|-----|-----------------------------------|------------------------|---|-------------------------|---------------------------|--------------------|----------------------------|
| NO. | . R1000-W R2000-W R3000-W R4000-W | | | | | R6000-W | R8000-W |
| 1 | Plate cover | | | ABS | resin | | |
| 2 | Body | Polyamide resin, steel | Aluminum alloy die-casting | | Aluminum allo | y die-casting | |
| 3 | Diaphragm assembly | Polyacetal resi | acetal resin nitrile rubber Zinc alloy die-casting, nitrile rubber Note 3 | | | | |
| 4 | Cover | Polyamide resin | PBT Resin Aluminum alloy die-ca | | | | Aluminum alloy die-casting |
| 5 | Knob | | Polyacetal resin | | | | |
| 6 | Valve assembly | | Brass, hydrogenated r | itrle rubber (polyaceta | al resin: R2100-W, R31 | 00-W, R4100-W only | ') |
| 7 | Pressure gauge assembly | | PBT resin, poly | acetal resin, polycarb | onate resin, nitrile rubb | er, brass, steel | |
| 8 | Gauge plug assembly | - | - Polyacetal resin nitrile rubber | | | | |
| 0 | Blanking plug assembly Note 1 | PBT resin, nitrile | e rubber, copper | | | | - |
| 9 | Bottom plug Note 4 | | Polyacetal resin Aluminum alloy die-casting | | | | loy die-casting |

Note 1: A blank plug is enclosed with the R1000-W standard type.

Note 2: Refer to page 128 for repair parts.

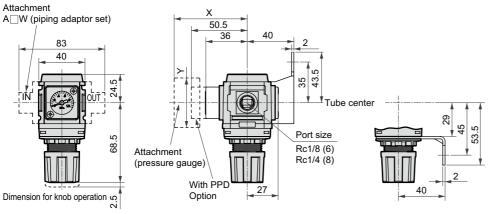
Note 3: Aluminum will be added for R6000-W for low pressure.

Note 4: The material for RM3000-W, RM4000-W is aluminum alloy die casting.

CAD

Dimensions

• R1000-W



L type bracket (-B3W)

44 68

IN

OUT

45 53.5

10

Option (with PPD)

35.5

62

26.5

Part no: B130

Tube center

6.5

Panel cut dimensions



Panel thickness: Max. 6mm

| Option dimensions with pressure gauge attached | | | | | |
|--|--------|-------|--|--|--|
| Attached pressure gauge | X | Y | | | |
| G45P | (74) | ø39 | | | |
| G49P | (73.5) | ø43.5 | | | |
| G59P | (76) | ø52 | | | |
| G40P | (75.5) | ø42.5 | | | |
| G50P | (75.5) | ø52.5 | | | |
| G41P | (74) | ø42 | | | |
| G52P | (86) | ø52.5 | | | |
| R2 | (74) | □30 | | | |

• R2000-W

Tube center IN

Attachment

3.5

Part no: B120

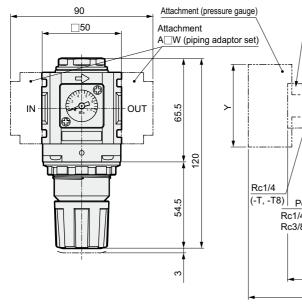
C type bracket (-BW)

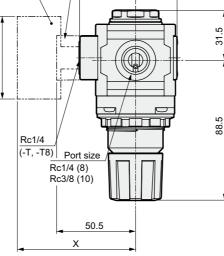
68

44

10

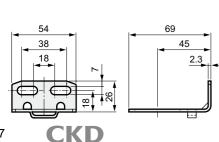
35 43.5

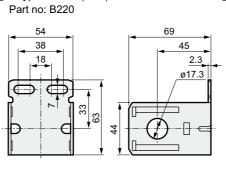




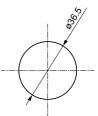
• C type bracket (-BW)

L type bracket (-B3W)
 Part no: B230





Panel cut dimensions

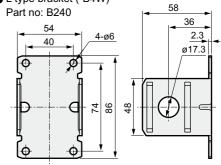


Panel thickness: Max. 4mm

| Option dimensions | with pressur | e gauge attached |
|----------------------|--------------|------------------|
| e parent annienenene | man procour | o gaago anaonoa |

| Attached pressure gauge | X | Y |
|-------------------------|--------|-------|
| G45P | (73.5) | ø39 |
| G49P | (73) | ø43.5 |
| G59P | (75.5) | ø52 |
| G40P | (75) | ø42.5 |
| G50P | (75) | ø52.5 |
| G41P | (73.5) | ø42 |
| G52P | (85.5) | ø52.5 |
| R2 | (73) | □30 |
| | | |

● L type bracket (-B4W)

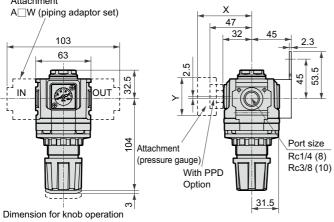


117

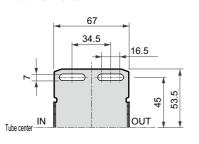
CAD Dimensions

• R3000-W

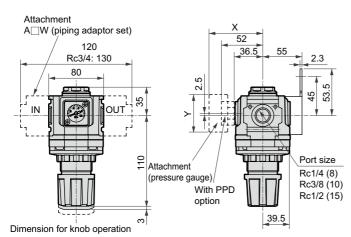
Attachment



·Attachment (C type bracket) C type bracket (-BW) Part no: B320

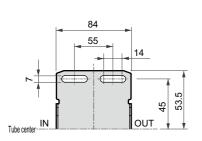


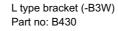
• R4000-W



Attachment

C type bracket (-BW) Part no: B420





L type bracket (-B3W)

OUT

t

34.5

67

S

57. 99

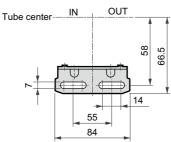
16.5

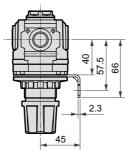
Part no: B330

IN

U

Tube center





40.5 28 66.5

2.3

55

Panel cut dimensions



Panel thickness: Max. 7mm

| Option dimensions with pressure gauge attached | | | | | |
|--|--------|-------|--|--|--|
| Attached pressure gauge | Х | Y | | | |
| G45P | (70) | ø39 | | | |
| G49P | (69.5) | ø43.5 | | | |
| G59P | (72) | ø52 | | | |
| G40P | (71.5) | ø42.5 | | | |
| G50P | (71.5) | ø52.5 | | | |
| G41P | (70) | ø42 | | | |
| G52P | (82) | ø52.5 | | | |
| R2 | (69.5) | □30 | | | |

Panel cut dimensions

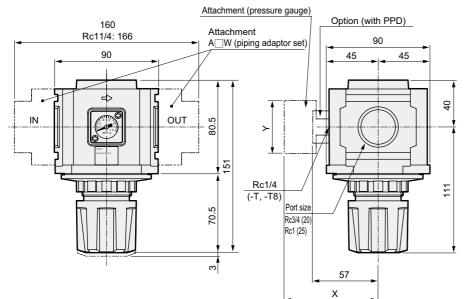


Panel thickness: Max. 7mm

| Option dimensions with pressure gauge attached | | | | | | |
|--|--------|-------|--|--|--|--|
| Attached pressure gauge | X | Y | | | | |
| G45P | (75) | ø39 | | | | |
| G49P | (74.5) | ø43.5 | | | | |
| G59P | (77) | ø52 | | | | |
| G40P | (76.5) | ø42.5 | | | | |
| G50P | (76.5) | ø52.5 | | | | |
| G41P | (75) | ø42 | | | | |
| G52P | (86) | ø52.5 | | | | |
| R2 | (75) | □30 | | | | |
| CKD | | | | | | |

Dimensions CAD

• R6000-W

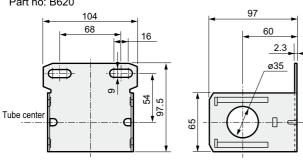


Panel cut dimensions

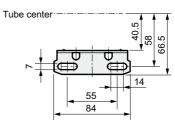
| Option dimensions with pressure gauge attached | | | | | | |
|--|--------|-------|--|--|--|--|
| Attached pressure gauge | X | Y | | | | |
| G45P | (80) | ø39 | | | | |
| G49P | (79.5) | ø43.5 | | | | |
| G59P | (82) | ø52 | | | | |
| G40P | (81.5) | ø42.5 | | | | |
| G50P | (87.5) | ø52.5 | | | | |
| G41P | (80) | ø42 | | | | |
| G52P | (93) | ø52.5 | | | | |
| R2 | (80) | □30 | | | | |

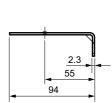
 Attachment C type bracket (-BW)

Part no: B620

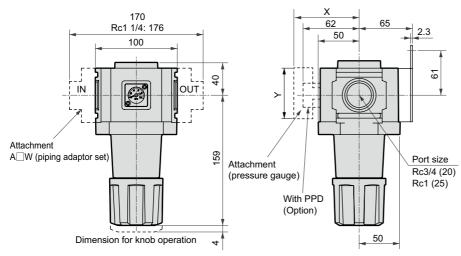


L type bracket (-B3W) Part no: B430

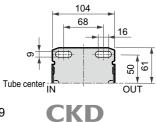




• R8000-W



• Attachment C type bracket (-BW) Part no: B820



| Attached pressure gauge X Y G45P (85) ø39 G49P (84.5) ø43.5 G59P (87) ø52 G40P (86.5) ø42.5 G50P (86.5) ø52.5 G41P (85) ø42 G52P (98) ø52.5 R2 (85) _30 | Option dimensions with pressure gauge attached | | | | |
|---|--|--------|-------|--|--|
| G49P (84.5) ø43.5 G59P (87) ø52 G40P (86.5) ø42.5 G50P (86.5) ø52.5 G41P (85) ø42 G52P (98) ø52.5 | Attached pressure gauge | X | Y | | |
| G59P (87) ø52 G40P (86.5) ø42.5 G50P (86.5) ø52.5 G41P (85) ø42 G52P (98) ø52.5 | G45P | (85) | ø39 | | |
| G40P (86.5) ø42.5 G50P (86.5) ø52.5 G41P (85) ø42 G52P (98) ø52.5 | G49P | (84.5) | ø43.5 | | |
| G50P (86.5) ø52.5 G41P (85) ø42 G52P (98) ø52.5 | G59P | (87) | ø52 | | |
| G41P (85) ø42 G52P (98) ø52.5 | G40P | (86.5) | ø42.5 | | |
| G52P (98) ø52.5 | G50P | (86.5) | ø52.5 | | |
| | G41P | (85) | ø42 | | |
| R2 (85) 🗌 30 | G52P | (98) | ø52.5 | | |
| · · · · | R2 | (85) | □30 | | |

-0

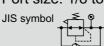
MEMO



Reverse regulator Standard white series

R1100/R2100/R3100 R4100/R6100/R8100-W Series

From secondary pressure to primary pressure with back flow function. Port size: 1/8 to 1





Specifications

| Descriptions | R1100-W | R2100-W | R3100-W | R4100-W | R6100-W | R8100-W | |
|---------------------------------|--|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|--|
| Exterior | | | | | | | |
| Working fluid | | | Compre | ssed air | | | |
| Max. working pressure MPa | 1 | | 1. | .0 | | | |
| Withstanding pressure MPa | 1 | 1.5 | | | | | |
| Ambient temperature range °C | 5 to 60 Note 3 | | | | | | |
| Set pressure range (Note 2) MPa | 0.05 to 0.85 | | | | | | |
| Relief | With relief mechanism | | | | | | |
| Port size Rc, PT | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 | |
| | ' (3/8 uses an adaptor) | (1/2 uses an adaptor) | (1/2 uses an adaptor) | (3/4 uses an adaptor) | (1 1/4 uses an adaptor) | (1 1/4 uses an adaptor) | |
| Product weight kg | 0.16 | 0.31 | 0.45 | 0.7 | 1.0 | 1.6 | |
| Standard accessories | Pressure gauge, nut for panel mount Pressure gauge | | | | | | |

Note 1: Check that the primary pressure is at least 0.05 MPa or more than the secondary pressure.

Note 2: Refer to the set pressure range for the back pressure given on page 123 when selecting the model.

Note 3: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

(Catalog No.CC-947A)

Ozone specifications (Page 188) R*100 - ... W ... - P11

Clean specification

(Catalog No. CB-033SA)

Dust generation preventing structure for use in cleanrooms

R*100 - (P7*

Specification for LiB production

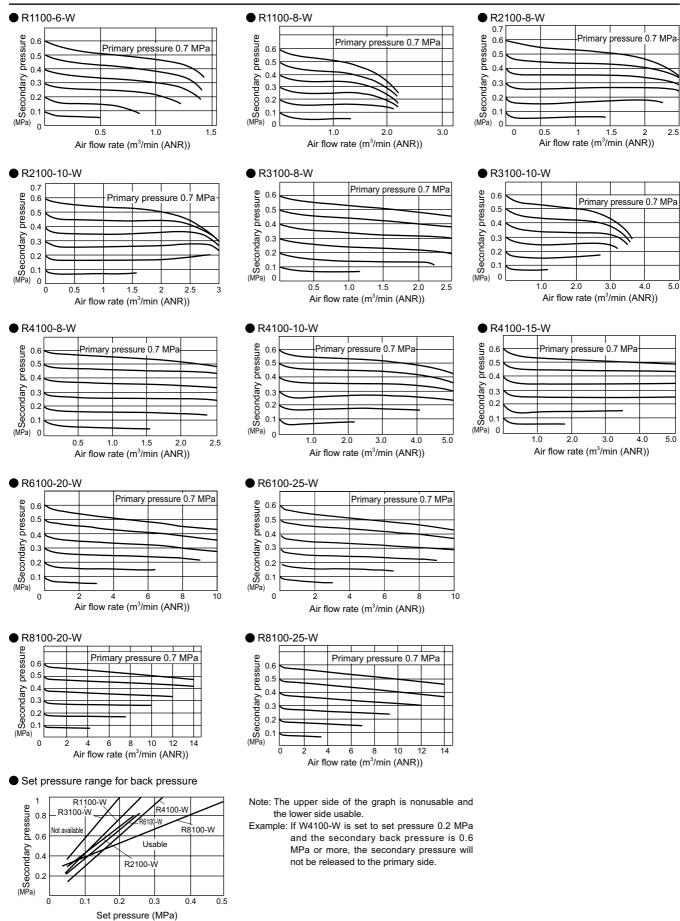
Specification for LiB manufacturing process

R*100 - · · · · · · · · -P4*

Regulator series How to order

| How to order | | | * Refer top page 9 for an explanation of the options. | | A. | Mode | el no |) | |
|---|-----------------------|----------|--|-----------|-----------|-----------|-----------|-----------|-----|
| R1100 - 6 - W - L - (|)- (A6W | | | R | R | R | R | R | |
| | | | G Attachment | 1 1 | 2 | 3 | 4 | 6 | |
| | | g adapto | r set (included) | 0 0 | 0 | 0 | 0 | 0 | |
| | Syr | nbol | Descriptions | U | | | | | |
| Model no. B Port size | B Por | t size | | | | | | | |
| Fort size | | 6 | 1/8 | \bullet | | | | | |
| | | В | 1/4 | | | | | | |
| | 1 | 0 | 3/8 | | \bullet | | \bullet | | |
| | 1 | 5 | 1/2 | | | | | | |
| | | :0 | 3/4 | | | | | | |
| | 2 | 5 | 1 | | | | | | |
| Port thread type | C Por | t thread | l type | | | | | No | ot |
| | Bla | ank | Rc thread | | | | | | |
| | | N | NPT thread | | | | | | |
| | | G | G thread | • | \bullet | | | | |
| | D Opt | ion | | | | N | ote 2 | 2, No | ot |
| D Optio | Pressure | 1 | 0.05 to 0.85MPa | ٠ | | | | | T |
| | Range | L | 0.05 to 0.35MPa Note 4 | \bullet | | | | | T |
| | Relief | Blank | With relief mechanism | \bullet | \bullet | | \bullet | \bullet | Γ |
| | Relief | N | Non-relief type | \bullet | \bullet | | | | |
| | | Blank | Standard pressure gauge (G401-W) | • | \bullet | \bullet | \bullet | \bullet | |
| | Pressure | Т | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | ٠ | \bullet | | | | |
| | gauge | Т8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | \bullet | \bullet | | | | |
| | gauge | Т6 | Compatibility with digital pressure sensor PPX Note 5 | • | • | • | | \bullet | |
| | | R1 | Pressure switch with display PPD assembled Note 6 | • | \bullet | | | | |
| | Flow | Blank | Standard flow (left to right) | • | \bullet | | | | |
| | Direction | X1 | Reverse flow (right to left) | • | | | | | |
| Displayed | E Dis | played | unit | | | | | | |
| Usplayed | Bla | ank | MPa display, Rc thread | ٠ | | | | | Τ |
| | J | 1 | MPa display, NPT, G thread | ٠ | | | | | |
| | F Pip | ing ada | ptor set (included) No | te 7 | , 8 | page | es 15 | i5 to | |
| | Bla | ank | Not attached | ٠ | | • | | | Τ |
| | A6 | *W | 1/8 piping adaptor set | ٠ | | | | | T |
| | A8 | *W | 1/4 piping adaptor set | ٠ | | | | | T |
| | A1 | 0*W | 3/8 piping adaptor set | ٠ | | | | | Ť |
| | A1 | 5*W | 1/2 piping adaptor set | | | | | | T |
| Cautions for model No. selection | n A2 | D*W | 3/4 piping adaptor set | | | | | | |
| | - A2 | 5*W | 1 piping adaptor set | | | | | | |
| and gauge ports. | A32 | 2*W | 1 1/4 piping adaptor set | | | | | | |
| te 2: When selecting options for several items, li options in order from the top. | ^{ist} * Adap | tor thre | ad type | | | | 1 | 1 | |
| ote 3: Position of the check valve and pressu | re Bla | ank | Rc thread | • | \bullet | | • | \bullet | |
| gauge can not be changed. If the revers | | N | NPT thread | • | • | | | | |
| direction of IN and OUT are required indicate "X1" in the end of optional section | · · · · | G | G thread | • | | | | | |
| te 4: Pressure gauge display range will be 0 to 0 | 0.4 G Atta | achmen | t | N | lote | 9 P | age | 152, | , ' |
| MPa for option "L". te 5: When option "T6" is selected, only "blank" | or Bla | ank | Not attached | ٠ | \bullet | | | | |
| "R2" is selected for the (G) pressure gaug | ge B | W | C type bracket | \bullet | \bullet | | | | |
| (enclosed). The digital pressure sensor PF mounting port (Rc1/8) is assembled ventilated. | | BW | L type bracket Note 10 | • | \bullet | • | \bullet | \bullet | ļ |
| te 6: Out put type will be NPN transistor output. Const | | ŧW | B type bracket | | \bullet | | | | 1 |
| with CKD if PNP transistor output is required. | ha | 5P | G45D-8-P10 (L: G45D-8-P04) | • | \bullet | | | | ļ |
| te 7: The piping adapter set and C bracket cannot t used together. | G4 | 19P | G49D-8-P10 (L: G49D-8-P04) | • | \bullet | | \bullet | | ļ |
| ote 8: A joiner set is attached with the piping adapter se | | 59P | G59D-8-P10 (L: G59D-8-P04) | • | \bullet | | \bullet | \bullet | 1 |
| ote 9: If NPT is selected for the "C" piping thread typ | G | 10P | G40D-8-P10 (L: G40D-8-P04) | • | \bullet | | | | ļ |
| a NPT pressure nauge is enclosed. If Ro or | 1 65 | 50P | G50D-8-P10 (L: G50D-8-P04) | • | • | | | \bullet | 1 |
| a NPT pressure gauge is enclosed. If Rc or thread is selected, an R thread pressure gauge | ge O | | | | | | - | | 1 |
| thread is selected, an R thread pressure gaugis enclosed. | G4 | 1P | G41D-8-P10 (L: G41D-8-P04) | • | | | | • | + |
| thread is selected, an R thread pressure gauge | ge G4 NS G5 | 52P | G41D-8-P10 (L: G41D-8-P04) G52D-8-P10 (L: G52D-8-P10) Digital pressure sensor: PPX-R10N-6M | • | • | • | • | • | ╞ |

Flow characteristics



Set pressure

Set pressure

0.4

0.4

0.6

0.6

Primary pressure (MPa)

0.8

Primary pressure (MPa)

0.8

Pressure characteristics, Internal structure and parts list

• R3100-W

Ő.2

0.2

• R8100-W

0.21

0.2

0.19

0.18 0.17

R3
 0.22
 0.21
 x.0.2
 x.0.

Becondary pressure

Set pressure

0.6

0.6

0.8

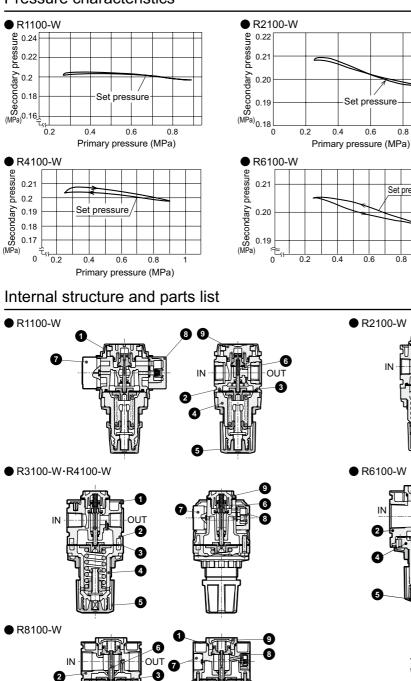
Set pressur

0.8

0.4

0.4

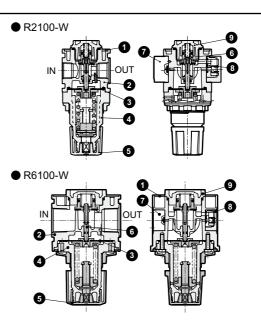
Pressure characteristics



| | 0 | | | | | | | |
|-----|---|---|--|---------|---------|---------|----------------------------|--|
| No. | Deut neme | | Material | | | | | |
| NO. | Part name | R1100-W | R2100-W | R3100-W | R4100-W | R6100-W | R8100-W | |
| 1 | Plate cover | | | ABS | resin | | | |
| 2 | Body | Polyamide resin, steel | olyamide resin, steel Aluminum alloy die-casting | | | | | |
| 3 | Diaphragm assembly | Polyacetal resi | Polyacetal resin nitrile rubber Zinc alloy die-casting, nitrile rubber Note 2 | | | | er Note 2 | |
| 4 | Cover | Polyamide resin | Polyamide resin PBT Resin Aluminum aloy de- | | | | Aluminum alloy die-casting | |
| 5 | Knob | | Polyacetal resin | | | | | |
| 6 | Valve assembly | Brass, hydrog | Brass, hydrogenated nitrle rubber (polyacetal resin: R2100-W, R3100-W, R4100-W only) | | | | | |
| 7 | Pressure gauge assembly | PBT resin, polyacetal resin, polycarbonate resin, nitrile rubber, brass, copper | | | | | | |
| 8 | Check valve full assembly | PBT resin, nitrile rubber, stainless steel wire, steel | | | | | | |
| 9 | Bottom plug | Polyacetal resin Aluminum alloy die-casting | | | | | | |
| Not | Note 1: Pofer to page 128 for ropair parts kits | | | | | | | |

Note 1: Refer to page 128 for repair parts kits.

Note 2: Aluminum will be added for R6000-W for low pressure.

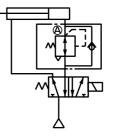


Functional explanation

When the primary pressure is introduced from the IN side, the check valve functions as a regular regulator because it closes with primary pressure and spring load. When primary pressure is released by a changeover valve such as a shut-off valve, the check valve opens with secondary pressure. Pressure in the diaphragm chamber is released and pressure drops. This causes the diaphragm to be pressed down by the pressure adjustment spring. The main valve (valve assembly) opens, and the air on the OUT side is discharged.

Circuit diagram

When cylinder head side and rod side pressure is different.

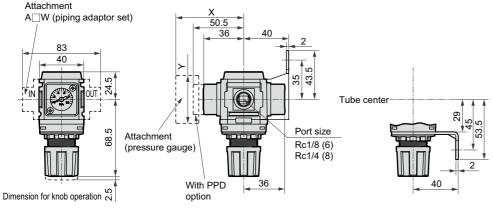


Note: Set back pressure A for when the primary pressure is released within the range in the graph for the regulator's set pressure.

CAD

Dimensions

• R1100-W



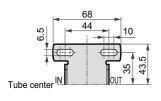
Panel cut dimensions

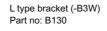


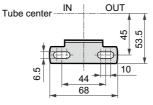
Panel thickness: Max. 6mm



C type bracket (-BW) Part no: B120



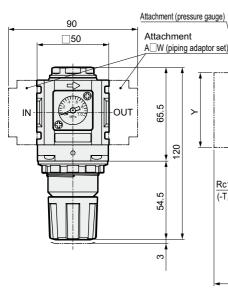


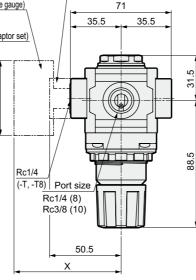


Option (with PPD)

| Option dimensions with pressure gauge attached | | | | |
|--|--------|-------|--|--|
| Attached pressure gauge | Х | Y | | |
| G45P | (74) | ø39 | | |
| G49P | (73.5) | ø43.5 | | |
| G59P | (76) | ø52 | | |
| G40P | (75.5) | ø42.5 | | |
| G50P | (75.5) | ø52.5 | | |
| G41P | (74) | ø42 | | |
| G52P | (86) | ø52.5 | | |
| R2 | (74) | 30 | | |

• R2100-W

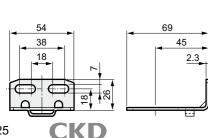


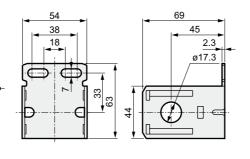


• C type bracket (-BW)

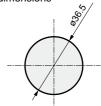
Part no: B220

 L type bracket (-B3W) Part no: B230





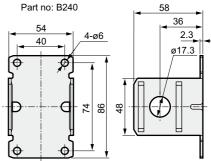
Panel cut dimensions



Panel thickness: Max. 4mm

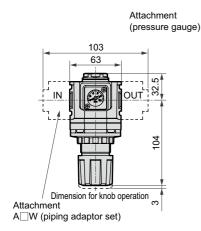
| Option dimensions | Option dimensions with pressure gauge attached | | | |
|-------------------------|--|-------|--|--|
| Attached pressure gauge | X | Y | | |
| G45P | (73.5) | ø39 | | |
| G49P | (73) | ø43.5 | | |
| G59P | (75.5) | ø52 | | |
| G40P | (75) | ø42.5 | | |
| G50P | (75) | ø52.5 | | |
| G41P | (73.5) | ø42 | | |
| G52P | (85.5) | ø52.5 | | |
| R2 | (73) | □30 | | |
| | | | | |

L type bracket (-B4W) Part no: B240



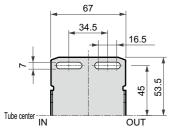
Dimensions

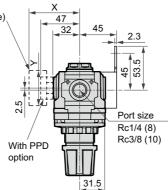
• R3100-W



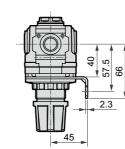


Part no: B320





L type bracket (-B3W) Part no: B330



Panel cut dimensions

Panel thickness: Max. 7mm

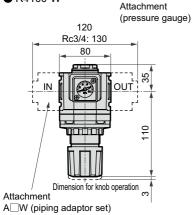
Option dimensions with pressure gauge attached

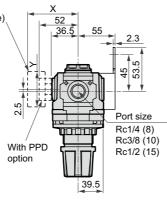
| H | 67 |
|-------------------|------|
| | 34.5 |
| | 53.5 |
| Tube center IN | OUT |

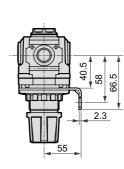
Tube center IN OUT ŝ 99 57 \bigcirc 16.5 34.5 67

| Attached pressure gauge | X | Y |
|-------------------------|--------|-------|
| G45P | (70) | ø39 |
| G49P | (69.5) | ø43.5 |
| G59P | (72) | ø52 |
| G40P | (71.5) | ø42.5 |
| G50P | (71.5) | ø52.5 |
| G41P | (70) | ø42 |
| G52P | (82) | ø52.5 |
| R2 | (69.5) | □30 |

• R4100-W





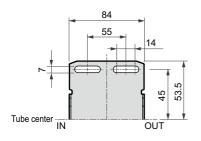


Panel cut dimensions

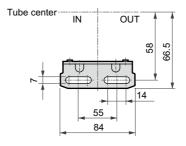


Panel thickness: Max. 7mm

 Attachment C type bracket (-BW) Part no: B420

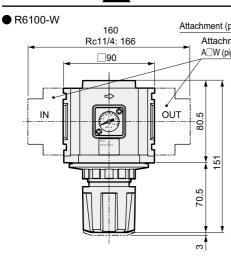


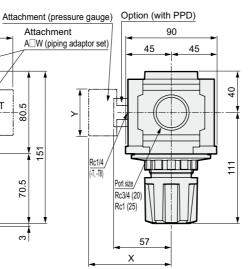
L type bracket (-B3W) Part no: B430



| Option dimensions with pressure gauge attached | | | | |
|--|--------|-------|--|--|
| Attached pressure gauge | X | Y | | |
| G45P | (75) | ø39 | | |
| G49P | (74.5) | ø43.5 | | |
| G59P | (77) | ø52 | | |
| G40P | (76.5) | ø42.5 | | |
| G50P | (76.5) | ø52.5 | | |
| G41P | (75) | ø42 | | |
| G52P | (86) | ø52.5 | | |
| R2 | (75) | 30 | | |
| CKD 1 | | | | |

CAD Dimensions





L type bracket (-B3W)

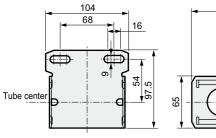
Part no: B430

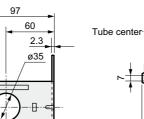
Panel cut dimensions



| Pressure gaug | Pressure gauge option dimensions | | | | |
|-------------------------|----------------------------------|-------|--|--|--|
| Attached pressure gauge | X | Y | | | |
| G45P | (80) | ø39 | | | |
| G49P | (79.5) | ø43.5 | | | |
| G59P | (82) | ø52 | | | |
| G40P | (81.5) | ø42.5 | | | |
| G50P | (81.5) | ø52.5 | | | |
| G41P | (80) | ø42 | | | |
| G52P | (93) | ø52.5 | | | |
| R2 | (80) | □30 | | | |

 Attachment C type bracket (-BW) Part no: B620





Х

2

(pressure gauge)

With PPD (option)

Attachment

62

50

65

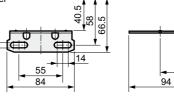
50

2.3

6

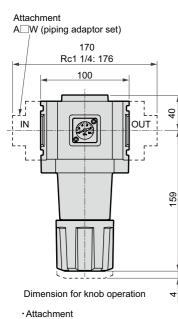
Port size

Rc3/4 (20) Rc1 (25)

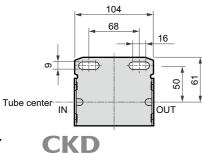




• R8100-W



C type bracket (-BW) Part no: B820



| Option dimensions with pressure gauge attached | | | | |
|--|--------|-------|--|--|
| Attached pressure gauge | X | Y | | |
| G45P | (85) | ø39 | | |
| G49P | (84.5) | ø43.5 | | |
| G59P | (87) | ø52 | | |
| G40P | (86.5) | ø42.5 | | |
| G50P | (86.5) | ø52.5 | | |
| G41P | (85) | ø42 | | |
| G52P | (98) | ø52.5 | | |
| R2 | (85) | □30 | | |

Optional parts drawing

Repair parts kit (Set consisting of diaphragm assembly, valve assembly, bottom spring, louver, element, baffle, bowl O ring)

| Repair kit model no. Model | Relief type diaphragm | No relief type diaphragm |
|-------------------------------|---|--|
| R1000-W, R1100-W | R1000-KIT | R1000-KIT-N |
| R2000-W, R2100-W | R2000-W-KIT | R2000-W-KIT-N |
| R3000-W, R3100-W, RM3000-W | R3000-KIT | R3000-KIT-N |
| R4000-W, R4100-W, RM4000-W | R4000-KIT | R4000-KIT-N |
| R6000-W, R6100-W | R6000-KIT R6000-KIT-L (for low pressure range) | R6000-KIT-N R6000-KIT-LN (for low pressure range) |
| R8000-W, R8100-W | R8000-KIT | R8000-KIT-LN |

Valve assembly (valve assembly, bottom spring, bottom O ring set)

| Model | Valve assembly model no. |
|----------------------------|--------------------------|
| R1000-W, R1100-W | R1000-VALVE-ASSY |
| R2000-W, R2100-W | R2000-W-VALVE-ASSY |
| R3000-W, R3100-W, RM3000-W | R3000-VALVE-ASSY |
| R4000-W, R4100-W, RM4000-W | R4000-VALVE-ASSY |
| R6000-W, R6100-W | R6000-VALVE-ASSY |
| R8000-W, R8100-W | R8000-VALVE-ASSY |

* Refer to page 209 for gauge plug assembly

Check valve for reverse regulator assembly

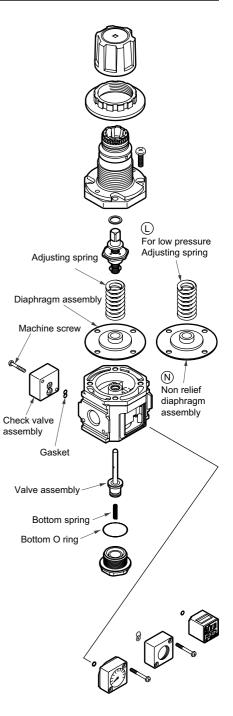
| Model | Check valve assembly model no. |
|---|--------------------------------|
| R1000-W, R1100-W | R1100-W-CHECK-VALVE-ASSY |
| R2100-W | R3100-W-CHECK-VALVE-ASSY |
| R3100-W, RM3000-W, W3100-W R4100-W, RM4000-W, W4100-W R6100-W, R8100-W W8100-W | R3100-W-CHECK-VALVE-ASSY |

Adjusting spring

| Adjusting spring model no. Model | Standard spring (0.05 to 0.85MPa) | Spring for low pressure (0.05 to 0.35MPa) |
|--|--------------------------------------|--|
| R1000-W, R1100-W W1000-W, W1100-W | R1000-SPRING | R1000-SPRING-L |
| R2000-W, R2100-W | R2000-W-SPRING | R2000-W-SPRING-L |
| R3000-W, R3100-W, RM3000-W W3000-W, W3100-W | R3000-SPRING | R3000-SPRING-L |
| R4000-W, R4100-W, RM4000-W W4000-W, W4100-W | R4000-SPRING | R4000-SPRING-L |
| R8000-W, R8100-W | R8000-SPRING | R8000-SPRING-L |
| W8000-W, W8100-W | W8000-SPRING | W8000-SPRING-L |

Diaphragm assembly (diaphragm assembly only)

| Diaphragm assembly model no. | Relief type | Non-relief type |
|--|---|--|
| Model | Diaphragm | Diaphragm |
| R1000-W, R1100-W W1000-W, W1100-W | R1000-DIAPHRAGM-ASSY | R1000-DIAPHRAGM-ASSY-N |
| R2000-W, R2100-W | R2000-DIAPHRAGM-ASSY | R2000-DIAPHRAGM-ASSY-N |
| R3000-W, R3100-W, RM3000-W W3000-W, W3100-W | R3000-DIAPHRAGM-ASSY | R3000-DIAPHRAGM-ASSY-N |
| R4000-W, R4100-W, RM4000-W W4000-W, W4100-W | R4000-DIAPHRAGM-ASSY | R4000-DIAPHRAGM-ASSY-N |
| R6000-W, R6100-W | R6000-DIAPHRAGM-ASSY R6000-DIAPHRAGM-ASSY-L (for low pressure range) | R6000-DIAPHRAGM-ASSY-N R6000-DIAPHRAGM-ASSY-LN (for low pressure range) |
| R8000-W, R8100-W | R8000-DIAPHRAGM-ASSY | R8000-DIAPHRAGM-ASSY-N |
| W8000-W, W8100-W | W8000-DIAPHRAGM-ASSY | W8000-DIAPHRAGM-ASSY-N |





Lubricator Standard white series L1000/L3000/L4000/L8000-W Series

Supply fine mist oil. Port size: 1/8 to 1

JIS symbol



Specifications

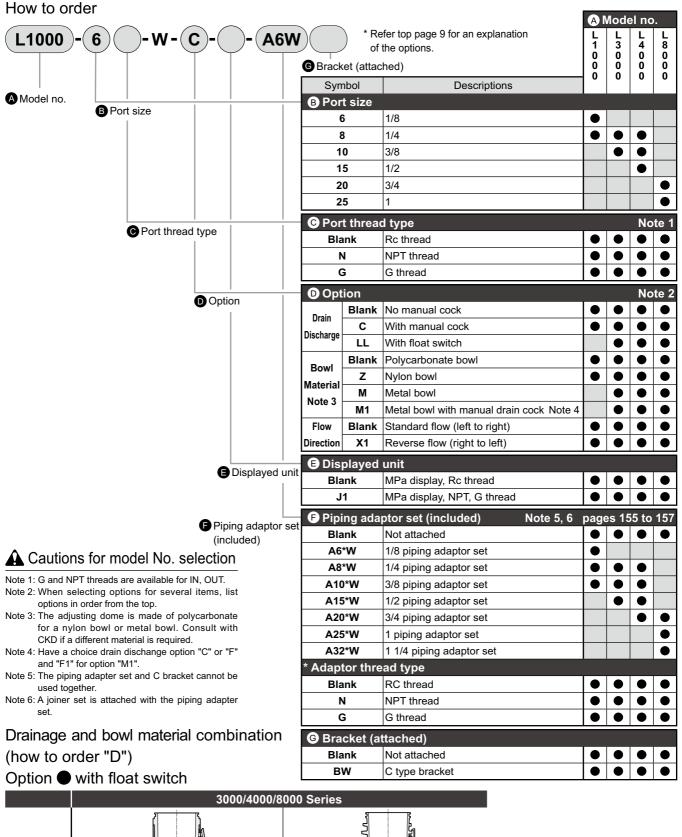
| Descriptions | Descriptions L1000-W | | L4000-W | L8000-W | | |
|--|--|--------------------------------|-------------------------------------|--------------------------------|--|--|
| Exterior | HA CARTON HA CARTON HALE IN THE INTERNAL INTERNA | | | | | |
| Working fluid | | Compre | essed air | | | |
| Max. working pressure MPa | 1.0 | | | | | |
| Withstanding pressure MPa | 1.5 | | | | | |
| Working temperature °C | 5 to 60 | | | | | |
| Minimum drip flow Note 1 m ³ /min (ANR) | 0.015 | 0.03 | 0.065 | 0.065 | | |
| Oil capacity cm ³ | 20 | 85 | 170 | 170 (MAX360) | | |
| Applicable oil | Turbine oil Class 1 ISO VG32 (spindle oil can not be used) | | | | | |
| Port size Rc, NPT, G | 1/8, 1/4 (3/8 uses an adaptor) | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | 3/4, 1 (1 1/4 uses an adaptor) | | |
| Product weight kg | 0.1 | 0.28 | 0.45 | 1.4 | | |
| Standard accessories | | Bowl | guard | | | |

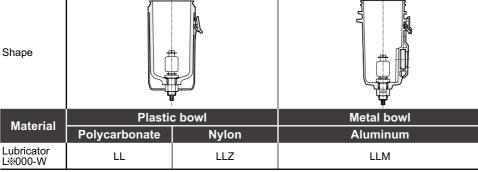
Note 1: The minimum drip flow is is the amount of flow that allows five drops of turbine oil drip per minute at primary pressure of 0.5 MPa and intake air temperature of 20°C. (Can not be used for dry fog)

Float switch electircal specifications

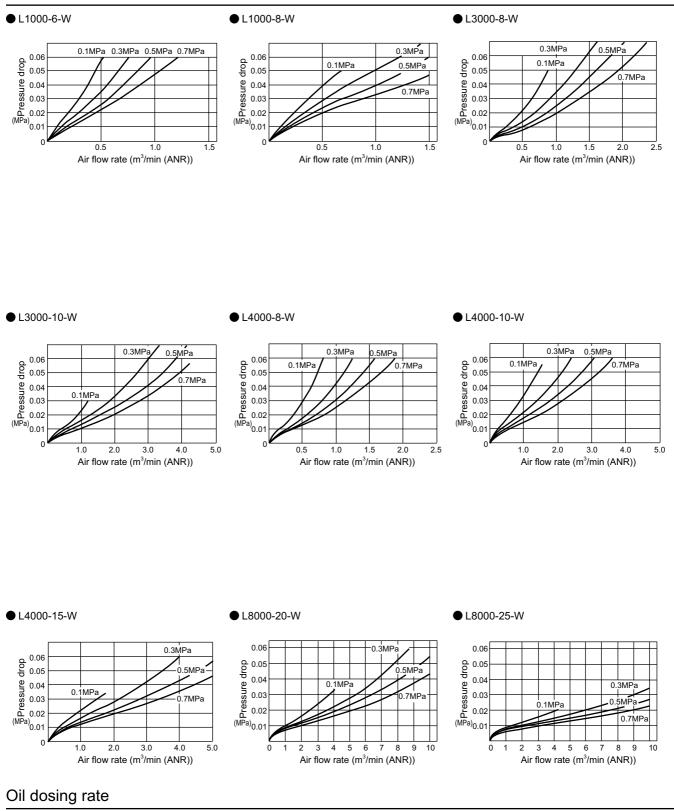
| Descriptions | |
|--|---|
| Control points | 1 points |
| Operation | Rising float will (oil full) will turn the switch OFF, and lowering float (no oil) will turn the switch ON. |
| Maximum working voltage | AC240V, DC200V |
| Maximum opening/closing capacity | 50 VA or 50 W, whichever is smaller |
| Maximum opening/closing current | 0.5A |
| Withstanding pressure between contacts | DC400V for 1 min, leakage current 1mA or less |
| Contact resistance | $220m\Omega$ or less (between terminal sections) |
| Insulation resistance | 100M Ω and over (between terminal and cases, 500 VDC megger) |
| Withstanding voltage | AC1500V 1min. (between case and terminal) |
| Electrical service life | 10 ⁶ cycles (AC200V, 200mA, with resistance) |

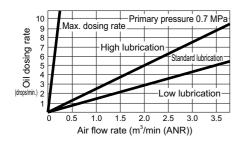
How to order



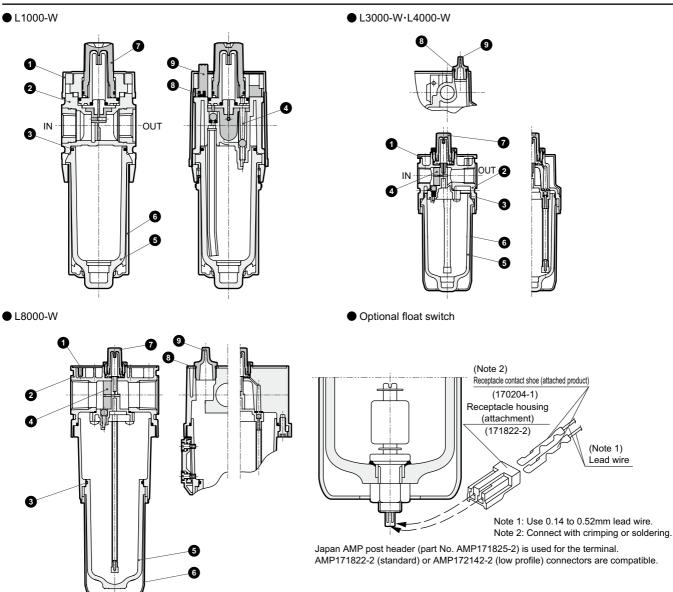


Flow characteristics





Internal structure and parts list



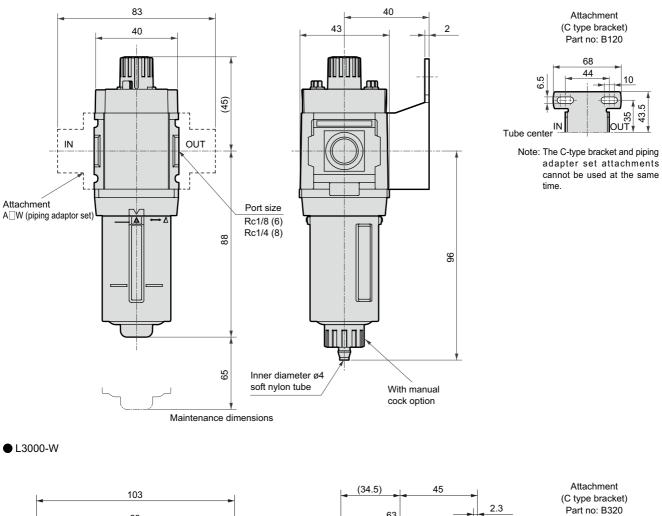
| No. | Part name | Material | | | | |
|-----|----------------|--|---------|----------------------------|---------|--|
| NO. | Fait name | L1000-W | L3000-W | L4000-W | L8000-W | |
| 1 | Plate cover | | ABS | resin | | |
| 2 | Body | Polyamide resin, steel | | Aluminum alloy die-casting | | |
| 3 | O-ring Note 1 | Special nitrile rubber | | | | |
| 4 | Flow guide | Urethane rubber resin Nitrile rubber | | | | |
| 5 | Bowl | Polycarbonate resin | | | | |
| 6 | Bowl guard | Polyamide resin Polyamide resin, steel | | | | |
| 7 | Adjusting dome | Transparant nylon | | | | |
| 8 | O-ring | Nitrile rubber | | | | |
| 9 | Filling plug | | Polyace | tal resin | | |

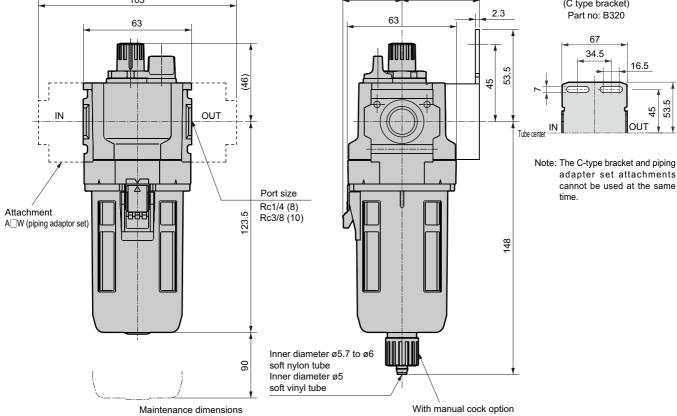
Note 1: L1000-W O ring has a special shape.

CKD 132

Dimensions CAD

• L1000-W



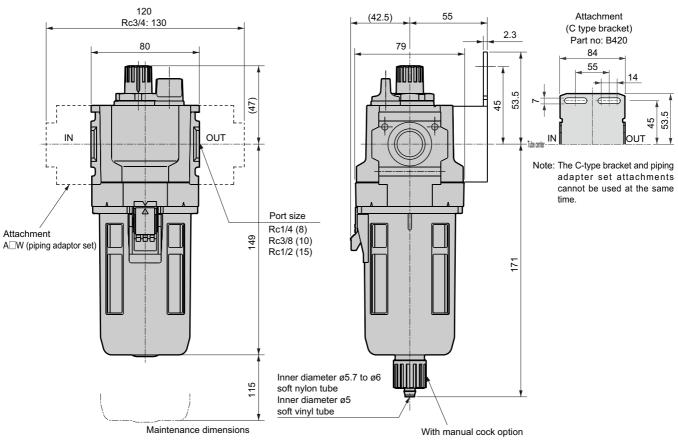


133 **CKD**

Dimensions

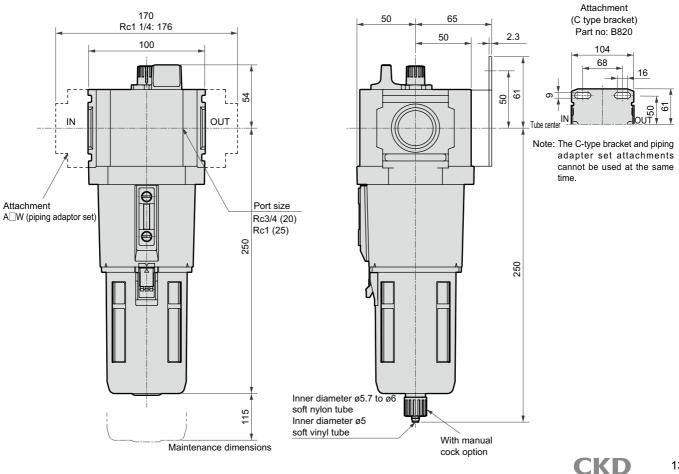
Dimensions CAD





Note: C-type bracket and piping adapter set attachments cannot be used at the same time.

• L8000-W

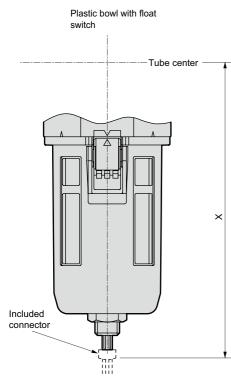


Option dimensions

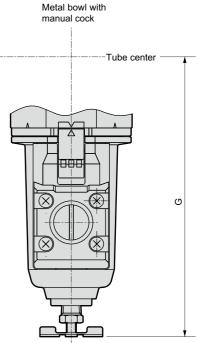
Other options [_3000-W, 4000-W, 8000-W]

CAD

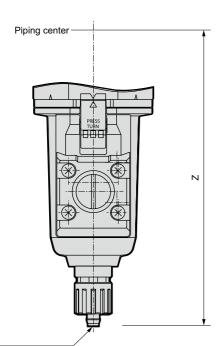
Plastic bowl (Blank)



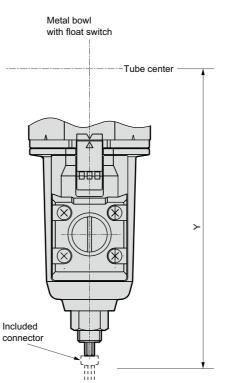
 Metal bowl (manual cock) (M) Metal bowl with manual cock (CM) Metal bowl No manual cock Tube center U



Metal bowl with manual drain cock (CM1)



Metal bowl with float switch (LLM)



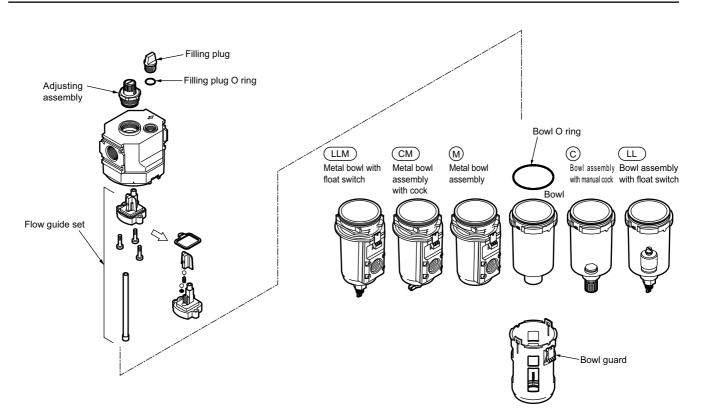
Drain port

| Model no. | С | G | X | Y | Z |
|-----------|-------|-------|-----|-------|-----|
| L3000-W | 129 | 143.5 | 147 | 153.5 | 154 |
| L4000-W | 152 | 166.5 | 170 | 177 | 177 |
| L8000-W | 231.5 | 245.5 | 249 | 256 | 256 |

135 **CKD**

Lubricator series Optional parts drawing

Option dimensions



Repair parts (filling plug O ring, adjusting assembly, flow guide set, bowl O ring set)

| Model no. | Repair kit model no. for polycarbonate bowl | Repair kit model no. for nylon bowl and metal bowl |
|-----------|---|--|
| L3000-W | L3000-W-KIT | L3000-W-KIT-Z |
| L4000-W | L4000-W-KIT | L4000-W-KIT-Z |
| L8000-W | L8000-W-KIT | L8000-W-KIT-Z |

Bowl assembly (Set of bowl assembly and bowl O ring)

| Bowl assembly model no. Model no. | Polycarbonate bowl without cock (Blank) | | Metal bowl without cock (M) | Polycarbonate bowl with cock (C) | With cock Nylon bowl (CZ) | Metal bowl with cock (CM) | | | Metal bowl with float switch (LLM) |
|--------------------------------------|---|--------------|-----------------------------------|--|---------------------------------|---------------------------------|---------------|----------------|--|
| L1000-W | L1000-BOWL | L1000-BOWL-Z | - | F1000-W-BOWL | F1000-W-BOWL-Z | - | - | - | - |
| L3000-W | L3000-BOWL | L3000-BOWL-Z | L3000-W-BOWL-M | F3000-W-BOWL | F3000-W-BOWL-Z | F3000-W-BOWL-M | L3000-BOWL-LL | L3000-BOWL-LLZ | L3000-W-BOWL-LLM |
| L4000-W, L8000-W | L4000-BOWL | L4000-BOWL-Z | L4000-W-BOWL-M | F4000-W-BOWL | F4000-W-BOWL-Z | F4000-W-BOWL-M | L4000-BOWL-LL | L4000-BOWL-LLZ | L4000-W-BOWL-LLM |

 * Refer to air filter options and parts table for details on bowl guard.

Adjusting assembly

| Model no. | Adjusting assembly model no. (for polycarbonate bowl) | Adjusting assembly model no. (for nylon and metal bowl) |
|---------------------------|---|---|
| L3000-W, L4000-W, L8000-W | L3000-W-AJ-KIT | L3000-W-AJ-KIT-Z |

Flow guide set

| Model no. | Flow guide set model no. |
|-----------|--------------------------|
| L3000-W | L3000-FLOW-GUIDE |
| L4000-W | L4000-FLOW-GUIDE |
| L8000-W | L8000-FLOW-GUIDE |

Filling plug set (fill plug and fill plug O ring)

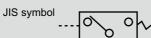
| Model no. | Filling plug set model no. | | | |
|------------------|----------------------------|--|--|--|
| L3000-W, L4000-W | L3000-W-PLUG | | | |
| L8000-W | L8000-W-PLUG | | | |
| | | | | |



Mechanical pressure switch Standard white series

P4000-W Series

Wide pressure setting range covers 0.1 to 0.8 MPa. Port size: 1/4 to 1/2

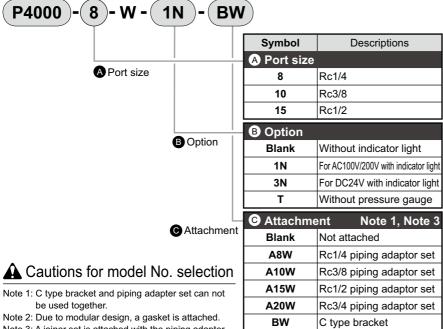




Specifications

| Descriptions | P4 | W-8-000 | / | P4000 |)-10-W | P | 4000-1 | 5-W |
|---|-------------------------------------|---------------------------|-----------|------------------------------------|--------------------|------------|--------|-----|
| Working fluid | | Compressed air | | | | | | |
| Max. working pressure MPa | a | 1.0 | | | | | | |
| Withstanding pressure MPa | a | | | 1 | .5 | | | |
| Pressure adjusting range MPa | a | | | 0.1 t | o 0.8 | | | |
| Fluid temperature °C | > | 5 to 60 | | | | | | |
| Port size Ro | > | 1/4 | | 3 | /8 | | 1/2 | |
| Microswitch model no. | | ZI5GD-B (OMRON) | | | | | | |
| Contact configuration at | 0 | 1 | | | | | | |
| Hysteresis MPa | | Hy | vsteresis | 0.049 o | r less at (| 0.1 to 0.4 | 19. | |
| | 1 | H | ysteresis | s 0.078 c | or less at | 0.5 to 0. | 8. | |
| Repeatability MPa | ±0.02 of set pressure range | | | | | | | |
| Withstanding cycle frequiency cycles/mi | 20 | | | | | | | |
| Insulation resistance MC | 100 or more (at CD500V megger) | | | | | | | |
| Product weight kg | | | 0.5 | | | | | |
| Mounting | Install adjusting screw vertically. | | | | | | | |
| Microswitch rated | | | | | | | | |
| Load | Non | Noninductive load (A) | | In | Inductive load (A) | | | |
| Circuit | Resista | Resistance load Lamp load | | Inductive load Electric motor load | | | | |
| Voltage | N.C | N.O | N.C | N.O | N.C | N.O | N.C | N.O |
| AC125V | 15 | 15 | 3.0 | 1.5 | 15 | 15 | 5.0 | 2.5 |
| AC250V | 15 | 15 | 2.5 | 1.25 | 15 | 15 | 3.0 | 1.5 |
| DC30V | 6.0 | 6.0 | 3.0 | 1.5 | 5.0 | 5.0 | 5.0 | 2.5 |

How to order

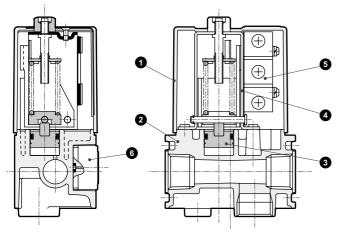


Note 3: A joiner set is attached with the piping adapter set.

P4000-W Series

Internal structure · dimensions · safety precautions

Internal structure and parts list



| No. | Part name | Material | No. |
|-----|-------------------------|----------------------------------|-----------------|
| 1 | Cover | Resin | - |
| 2 | Body | Aluminum alloy die-casting | - |
| 3 | Piston assembly | Polyacetal resin, nitrile rubber | - |
| 4 | Frame | Steel | - |
| 5 | Microswitch | - | Z15GD-B (OMRON) |
| 6 | Pressure gauge assembly | PBT resin, brass | G401-W |

* Remove cover ① and wire directly to the microswitch ⑤.

* 1 gasket attached

▲ Safety precautions

■Design & Selection

A CAUTION

1 Microswitch contact specification.

Closed circuit Maximum 30 A Open circuit Maximum 15A Rush current should be measured beforehand.

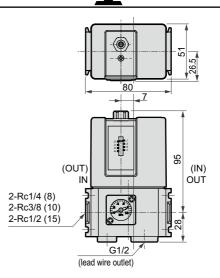
■Installation & Adjustment

A CAUTION

1 When wiring, loosen cover mounting screws, remove the cover, then wire to the microswitch inside.

2 Wiring the sensor with light

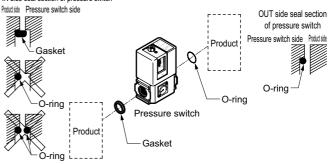
- The light is connected to the microswitch's NC terminal and NO terminal. A fine current flows even when the load (relay, etc.) is not energized, so take care when selecting the load. AC100V 1.5mA AC200V 2.0mA DC24V 4.5mA
- To turn the light on at a level higher than the set pressure and off at a level less than the set pressure, wire to the microswitch COM terminal and NC terminal. Also, attach it on the cover where it is easily visible Name plate post pressure up → lights on
- To turn the light on at a level less than the set pressure and off at a level higher than the set pressure, wire to the microswitch COM terminal and NO terminal. Also, attach it on the cover where it is easily visible. Name plate post pressure up → lights off
- If there is a large amount of drainage, pipe so that the pressure adjustment screw is facing upward.
- 3 Avoid using in hot places because the cover is made of resin.
- 4 Hold the body when piping or installing.
- **5** Use with air that has been passed through an air filter.
- **6** Use the pressure absorbing nipple (6556) to detect sudden changes in pressure such as when confirming air cylinder pressure.
- Use the pressure absorbing nipple (6556) if pressure rise/lower pulsation is frequent. The product life could be shortened if the pressure absorbing nipple is not used.
- B Loosen the nut on the top of the cover, and adjust the pressure with the adjustment screw. The set pressure will rise when the screw is turned to the plus (+) side and will drop when turned to the minus (-) side. Use an 13mm wrench and a slotted screw driver to fix the nut after setting.
- **9** The scale is only for reference. (scale margin of error within ±0.05MPa)

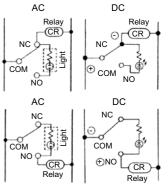


Reduction rate 0.24. (Photocopy at 141% four times to see actual dimensions.)

How to assemble

IN side seal section of pressure switch Pressure switch (P4000-W) seal section









Reed switch type compact mechanical pressure switch standard white series

P1100-W/P4100-W/P8100-W Series

Compatible with modular connection with FRL





Specifications

| Descriptions | | P_ 100-W | | |
|--|-------|---|--|--|
| Working fluid | | Compressed air | | |
| Max. working pressur | e MPa | 1 | | |
| Set pressure range | MPa | 0.1 to 0.6 | | |
| Hysteresis | MPa | 0.08 or less | | |
| Repeatability MPa | | £0.02 or less | | |
| Contact configuration | | 1a Note 1 | | |
| Wiring | | Lead wire 1m (oil resistant vinyl cabtire cable 2-conductor 0.2 mm ²) | | |
| Ambient temperature and fluid temperature. | | 5 to 60°C | | |
| Protective structure Note 2 | | Equivalent to IP20 | | |

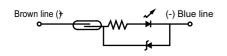
Note 1: The contact turns on if air pressure exceeding the scale setting pressure is applied.

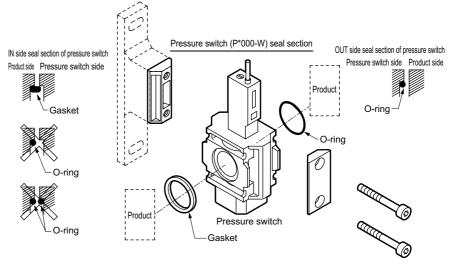
Note 2: The protective structure is IP 65 or equivalent if an optional joint is connected to the atmospheric pressure introduction port and extended with tubes to a place free of water. This port can not be used outdoors.

| Electric component section specification | | | | | |
|--|--|------------------|--|--|--|
| Load voltage | DC12/24V | AC100V | | | |
| Load voltage | 5 to 50mA | 7 to 20mA | | | |
| Internal voltage drop | 3V o | rless | | | |
| Light | LED(ON lighting) | | | | |
| Maximum shock resistance | 2941 | m/S ² | | | |
| Insulation resistance | $20M\Omega$ and over at 500 VDC megger | | | | |
| Withstanding voltage | ion of AC1000V for 1 minute. | | | | |

Internal circuit diagram

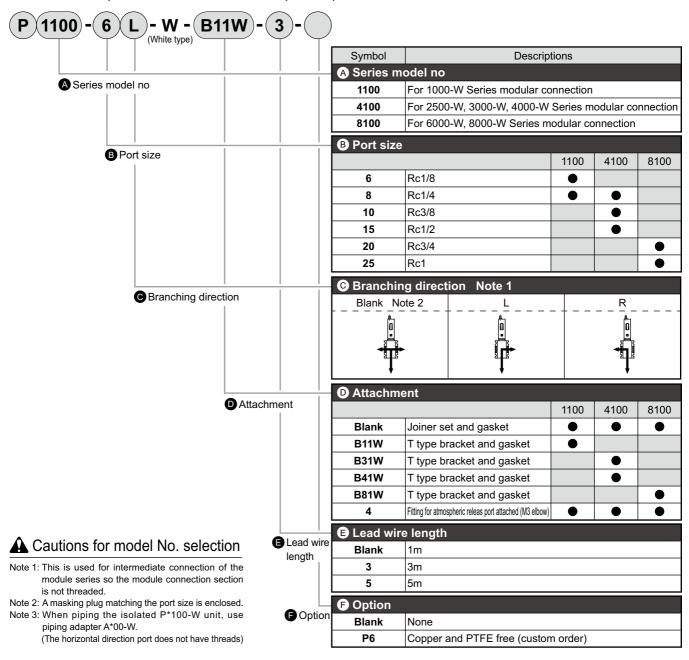
How to assemble (P1100-W, P4100-W, P8100-W)





P*100-W Series How to order

How to order (modular connection compatible)



Specification for LiB production (Catalog No.CC-947A)

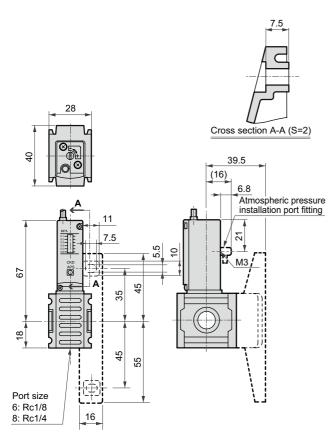
Specification for LiB manufacturing process

P4100 - · · · · · · · · · · · P4

P*100-W Series

Dimensions

• P1100-W



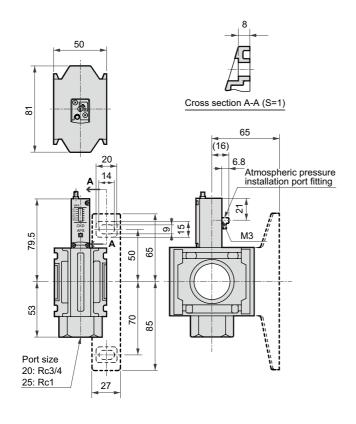
31.5 Æ 5 B310: 45 B410: 55 50 (16) 6.8 Atmospheric pressure installation port fitting m 7 2 Ð N N +М3 APS 69 55 45 37.5 60 70 Port size 8: Rc1/4 10: Rc3/8 15: 1/2 22

Weight 126g

• P4100-W

Weight 190g

• P8100-W



Weight 467g

Safety precautions

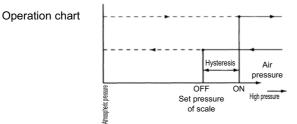
■Installation & Adjustment

A CAUTION

Setting pressure Settings are applied when the value is changed.
 Pressure displayed on the scale plate is used as the reference.

- When setting pressure, refer to the separate pressure gauge.
- Pressure displayed on the scale plate is the value when the contact is off. To set the value when the contact is on, set the pressure displayed on the scale plate to a value smaller than that from which hysteresis has been subtracted. If not set, operation may not take place at the set value.

(Hysteresis is the the difference of pressure it is required to turn the switch off after it has been turned on at the set pressure)



2 Installation

- Do not drop or bump the panel when handling it.
- Wire the lead so that the repeated bending strain and tensile strength are not applied to the wire as it may lead to disconnection
- Do not use this sensor near a strong magnetic field or large current (large magnet or spot welder, etc.) because the sensor could malfunction.
- The pressure switch is equivalent to IP-20, but the installation direction is limited to upward vertical. If water enters the introduction port for atmospheric pressure from below, pipe an M3 joint and extend with tubing to where water will not enter. Do not plug the fork lift holes as recycled air is discharged. (Only SHD Series) This port can not be used outdoors.

P*100 Series

- If there is drainage in pneumatic piping, install so that the pressure switch is higher than the drain.
- Do not pressurize suddenly. Product performance could drop or the product could be damaged.

3 Wiring

- Connecting the lead wire
 - ① Do not connect the lead directly to the power supply. Connect the load serially. Failure to do so could lead to disconnection.
 - ② When using for DC, connect the brown wire to the ⊕ side and the blue wire to the ⊙ side. The light will not light if wires are connected in reverse.
 - ③ When connected to the AC relay or PC input, if half wave rectification is done with these circuits, the switch light may not light. In this case, the light will light if the switch lead polarity is reversed.

Contact capacity

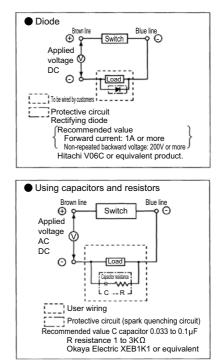
Do not exceed the specified load voltage and load current range.

Failure to do so could lead to disconnection or blown light. The light may not light if the current is less than the rated current value.

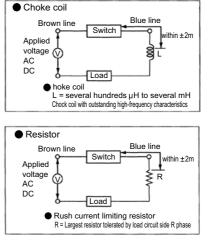
Contact protection

Тор

① When using this sensor with a conductive load such as a relay, provide the contact protection circuit shown at right. The contact could melt if this protection circuit is not provided.



② If DC wiring exceeds 50 m or AC wiring exceeds 10 m, the wiring capacity will be attained. A inrush current will occur, damaging the switch or shortening life.



Install a contact protection circuit if the wiring length is exceeded.



Shut-off valve Standard white series

EXH IN

V1000-W/V3000-W Series

1 action exhaust operation Prevent accidents caused by residual pressure. Port size: 1/8 to 1/2





Specifications

| Descri | ptions | V1000-W | V3000-W | | | |
|---------------------------|-----------------|---------------------|---------------------------------|--|--|--|
| Exterior | | V1000-6-W/V1000-8-W | V3000-8-W V3000-10-W V3000-15-W | | | |
| Working fluid | - | Compressed air | | | | |
| Max. working pressure MPa | | 1.0 | | | | |
| Withstanding p | ressure MPa | 1.5 5 to 60 | | | | |
| Fluid temper | ature °C | | | | | |
| Operation lever | switching angle | 90° | | | | |
| 0 | Pushing force N | 18 | 80 | | | |
| Operating force | Torque N∙m | 0.5 | 2 | | | |
| - | | | | | | |

| Valve section leaka | age <i>l</i> /min (ANR) | | | |
|-------------------------|-------------------------|------|-----|--|
| External leakage | External leakage | | | |
| Port size | IN-OUT | 1/8 | 1/4 | |
| (Rc, NPT, G) | EXH | 1/8 | | |
| Product weig | ght kg | 0.17 | | |
| Effective sectional | IN·OUT | 15 | 18 | |
| area (mm ²) | OUT·EXH | Ę | 5 | |

Applications

Explanation: When a solenoid valve and an air cylinder, etc. are repaired and adjusted, to ensure the safety, exhaust compressed air in the pneumatic circuit with a shut-off valve before starting work.

10

10

1/4

40

40

3/8

3/8

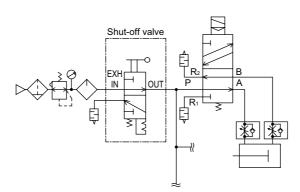
0.25 70

50

1/2

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V*000-W Series How to order

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Note 1, Note 2

For FRL 1000 Series - W -A6W V1000 6 (White type) For FRL 3000, 4000 Series A6W V3000 8 - W --((White type) Symbol Descriptions A Model no. B Port size B Port size 6 Rc1/8 8 Rc1/4 10 Rc3/8 15 Rc1/2 C Port thread type C Port thread type Blank Rc thread NPT thread Ν G G thread D Option D Option Blank Standard flow (left to right) X1 In/out reverse flow (right to left) E Displayed unit Displayed unit Blank MPa display, Rc thread MPa display, NPT, G thread J1 **F** Attachment F Attachment Blank No attachments A6*W 1/8 piping adaptor set A8*W 1/4 piping adaptor set A10*W 3/8 piping adaptor set A15*W 1/2 piping adaptor set A20*W 3/4 piping adaptor set

BW

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Adaptor thread type

C type bracket

Silencer

Rc thread

G thread

NPT thread

A Cautions for model No. selection

How to order

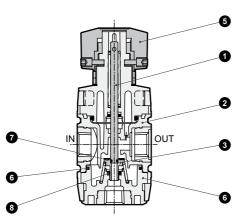
Note 1: The piping adapter set and C bracket cannot be used together. Note 2: A joiner set is attached with the piping adapter set.

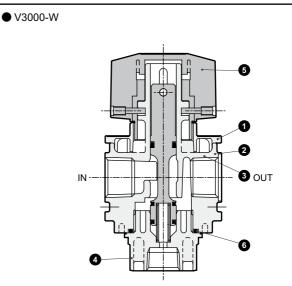


V:000-W Series

Internal structure and parts list







| No. | Part name | Material |
|-----|---------------|------------------------|
| 1 | Spool | Steel |
| 2 | Body assembly | Polyamide resin, steel |
| 3 | Valve element | Brass, nitrile rubber |
| 4 | Bottom plug | Polyamide resin, steel |
| 5 | Knob | Polyacetal resin |
| 6 | Packing | Nitrile rubber |
| 7 | O-ring | Nitrile rubber |
| 8 | O-ring | Nitrile rubber |

CAD

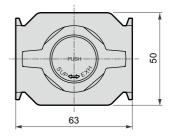
Dimensions

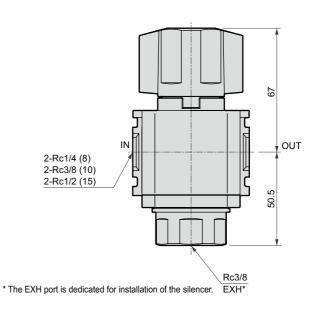
• V1000-W

| No. | Part name | Material |
|-----|----------------|-------------------------------|
| 1 | Plate cover | ABS resin |
| 2 | Body | Aluminum alloy die-casting |
| 3 | Spool assembly | Aluminum alloy urethane resin |
| 4 | Bottom plug | PBT resin Note 1 |
| 5 | Knob | Polyacetal resin |
| 6 | O-ring | Nitrile rubber |

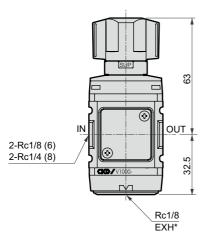
Note 1: The metal bottom plug is used as a custom-order part.

• V3000-W









* The EXH port is dedicated for installation of the silencer.

CKD

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Lockout valve (OSHA compliant) Standard white series

V3010-W/V6010-W Series

Prevent accidents caused by residual pressure.





Specifications

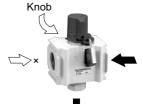
| Descri | ptions | V3010-8-W | V3010-10-W | V6010-20-W | V6010-25-W | | | | | |
|------------------------|------------------------------|----------------|------------|------------|------------|-----|--|--|--|--|
| Working fluid | ł | Compressed air | | | | | | | | |
| Max. working p | oressure MPa | | | 1 | | | | | | |
| Withstanding p | ressure MPa | | | 1.5 | | | | | | |
| Fluid temper | ature °C | 5 to 60 | | | | | | | | |
| Operation lever | switching angle | | | 90° | | | | | | |
| Operating force | Pushing force N | 80 or less | | | | | | | | |
| Operating force | Torque N•m | 2.5 or less | | | | | | | | |
| Valve seat leakage | e cm ³ /min (ANR) | 10 or less | | | | | | | | |
| External leakage | cm ³ /min (ANR) | 10 or less | | | | | | | | |
| Port size | IN-OUT | 1/4 | 3/8 | 1/2 | Rc 3/4 | Rc1 | | | | |
| (Rc, NPT, G) EXH | | 3/8 Rc1/2 | | | | | | | | |
| Product weight kg | | 0.3 0.8 | | | | | | | | |
| Effective sectional | IN→OUT | 40 | 70 | 85 | 145 | 150 | | | | |
| area(mm ²) | OUT→EXH | 40 | 50 | 50 | 105 | 110 | | | | |

How to use

Regular use



 Maintenance work It can be locked at the position where residual pressure is released.



Exhaust

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Note 1, Note 2

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A Model no

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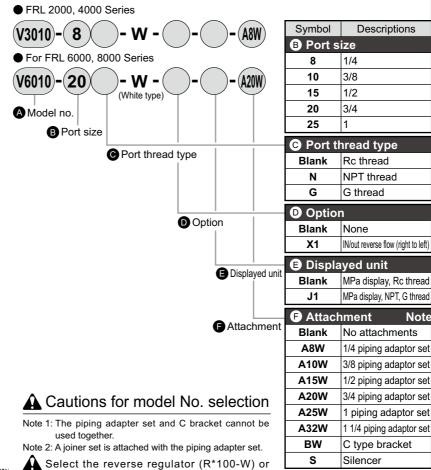


Standards for worker safety set by the United States.

<Lockout-Tagout>

When servicing or maintaining machinery, the air source shall be closed with a shutoff valve (lockout valve), and residual pressure shall be discharged. If a third party inadvertently operates the valve during such operation and compressed air is applied, the cylinder, etc., could move suddenly and injure personnel. This standard states that, "All valves used for such purposes shall have a key or a structure which can be locked with a key."

How to order



reverse filter regulator (W*100-W) when

installing the V*010-W onto the primary side of

the regulator or filter regulator.

Specification for LiB production (Catalog No.CC-947A)

Design applicable for LiB manufacturing process



CKD

Adaptor thread type

Rc thread

G thread

NPT thread

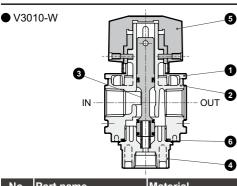
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V*010-W Series

Internal structure and parts list



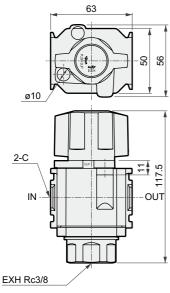
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| No. | Part name | Material | | | | |
|-----|----------------|-------------------------------|--|--|--|--|
| 1 | Plate cover | ABS Resin (Note 2) | | | | |
| 2 | Body | Aluminum alloy die-casting | | | | |
| 3 | Spool assembly | Aluminum alloy urethane resin | | | | |
| 4 | Bottom plug | PBT Resin (Note 1) (Note 2) | | | | |
| 5 | Knob | Aluminum alloy die-casting | | | | |
| 6 | O-ring | Nitrile rubber | | | | |

Note 1: The metal bottom plug is used as a custom-order part. Note 2: Flame resistant resin UL94 standard equivalent

Dimensions (V3010-W)

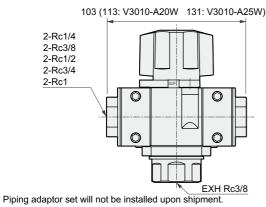


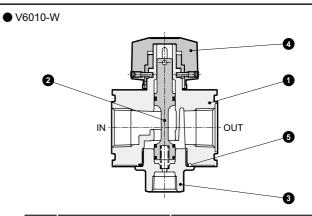
* The EXH port is dedicated for installation of the silencer.

| Descriptions | С |
|--------------|-------|
| V3010-8-W | Rc1/4 |
| V3010-10-W | Rc3/8 |
| V3010-15-W | Rc1/2 |

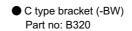
Adaptor attachment

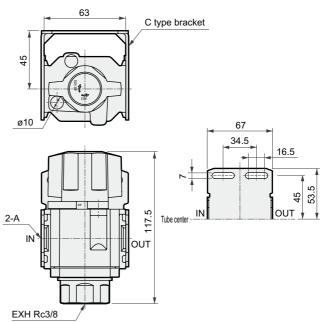
KD





| No. | Part name | Material |
|-----|----------------|---|
| 1 | Body | Aluminum alloy die-casting |
| 2 | Spool assembly | Aluminum alloy, hydrogenated nitrile rubber |
| 3 | Bottom plug | Aluminum alloy die-casting |
| 4 | Knob | Aluminum alloy die-casting |
| 5 | O-ring | Nitrile rubber |





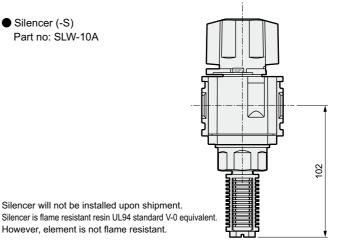
The C type bracket is attached at shipment.

However, element is not flame resistant.

C type bracket and piping adapter set can not be used together.

Silencer (-S)

Part no: SLW-10A

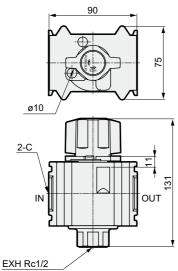


147

V*010-W Series

Dimensions, optional parts drawing

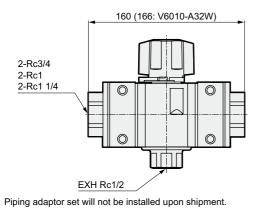
Dimensions (V6010-W)

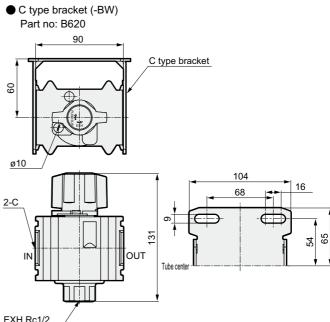


* The EXH port is dedicated for installation of the silencer.

| Descriptions | С |
|--------------|-------|
| V6010-20-W | Rc3/4 |
| V6010-25-W | Rc1 |

Adaptor attachment



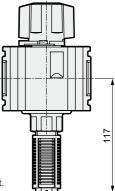


EXH Rc1/2

The C type bracket is attached at shipment.

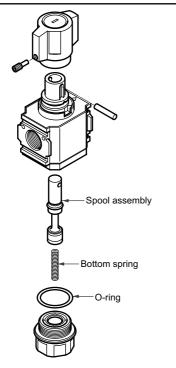
C type bracket and piping adapter set can not be used together.

 Silencer (-S) Part no.: SLW-15A



Silencer will not be installed upon shipment. Silencer is flame resistant resin UL94 standard V-0 equivalent. However, element is not flame resistant.

Shut off valve (V3000-W, V3010-W) optional parts drawing



Spool assembly

(Spool assembly and bottom spring set)

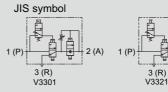
| Model | Spool assembly model no. |
|--------------|--------------------------|
| V3000, V3010 | V3000-SPOOL |



Slow start valve standard white series

V3301-W/V3321-W Series

Securing safety at starts and stops. Port size: Rc1/4 to Rc1/2

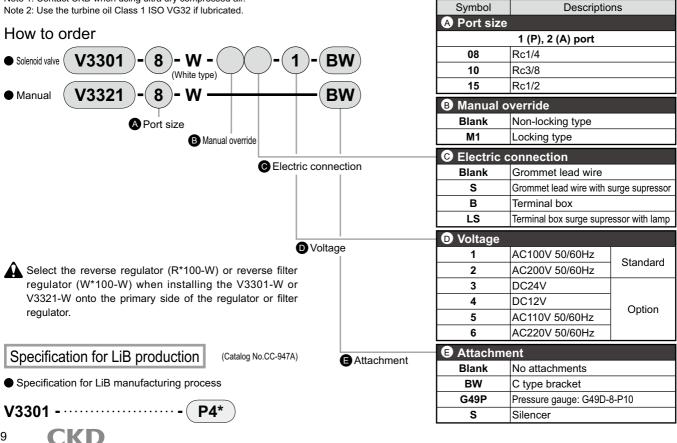


RoHS

Specifications

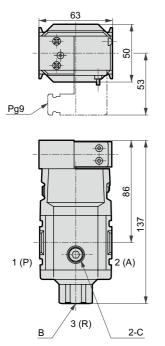
| Descri | ptions | V3301-W/V3321-W | | | | | | |
|--------------------------|-------------------|---|-----------------|-------|--|--|--|--|
| Operating m | ethod | Pilot operated soft spool valve | | | | | | |
| Working fluid | ł | Compressed air (excluding super dry air) Note 1 | | | | | | |
| Working pressu | ure range MPa | | 0.2 to 1.0 | | | | | |
| Withstanding p | pressure MPa | | 1.5 | | | | | |
| Ambient tempera | ature range °C | | 5 to 60 | | | | | |
| | 1 (P), 2 (A) por | Rc1/4 | Rc3/8 | Rc1/2 | | | | |
| Port size | 3 (R) port | | Rc3/8 | | | | | |
| | Gauge port | | Rc1/4 | | | | | |
| Effective sectional area | Low speed intake | | 6 | | | | | |
| Effective sectional area | High speed intake | 40 | 64 | 76 | | | | |
| mm | High speed exhaus | 50 | 74 | 78 | | | | |
| Response tir | ne | 0.2sec or less | | | | | | |
| Lubrication | | Oil-free Note 2 | | | | | | |
| Weight | g | V3301-W: 635 V3321-W: 515 | | | | | | |
| Solenoid valve | e specification | V3301-W | | | | | | |
| Rated voltag | je V | AC100 (50/60Hz) | AC200 (50/60Hz) | DC24 | | | | |
| Starting curr | ent A | 0.076/0.058 | 0.038/0.030 | 0.092 | | | | |
| Holding curr | ent A | 0.038/0.029 | 0.019/0.015 | 0.092 | | | | |
| Power consumption W | | 2.2/1.7 | 2.2/1.7 | 2.2 | | | | |
| Temperature | increase K | 40 or less | | | | | | |
| Voltage fluct | uation range | ±10% | | | | | | |
| Insulation cla | ass | B class | | | | | | |
| Electric conr | nection | Grommet lead wire, terminal box | | | | | | |

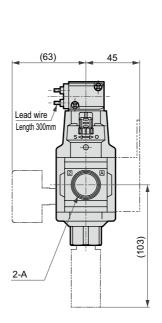
Note 1: Contact CKD when using ultra dry compressed air. Note 2: Use the turbine oil Class 1 ISO VG32 if lubricated.



Dimensions

• V3301-W



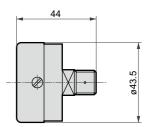


Dimensions

• Pressure gauge: G49D-8-P10

V3301-W·V3321-W Series

Bracket: B320



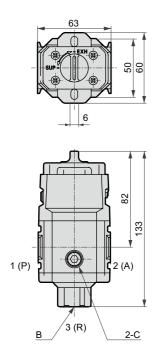
 A
 B
 C

 V3301-08-W
 Rc1/4

 V3301-10-W
 Rc3/8
 Rc3/8
 Rc1/4

 V3301-15-W
 Rc1/2

• V3321-W

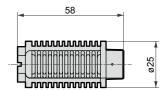


| | (103) |
|------------|-------|
| <u>2-A</u> | |

(63)

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Silencer: SLW-10A



| | Α | В | С |
|------------|-------|-------|-------|
| V3321-08-W | Rc1/4 | | |
| V3321-10-W | Rc3/8 | Rc3/8 | Rc1/4 |
| V3321-15-W | Rc1/2 | | |



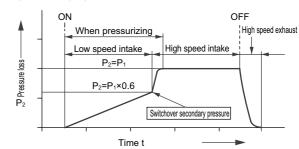
V3301-W/V3321-W Series

Operational explanation (refer to operating principles)

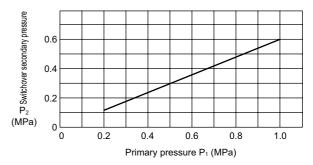
The slow start valve turns on when the solenoid valve is energized or the manual section is set to SUP. The valve turns off when the solenoid valve is deenergized or the manual section is set to EXH.

- (1) First, when the main unit is turned on, the low-speed supply path opens, and the compressed air starts to flow to the secondary side. The secondary pressure gradually starts to rise. The operable cylinders in the unit will start moving at a low speed and thus will not pop out.
- (2) Next, when secondary pressure exceeds 60% of primary pressure, the hight speed supply path opens. Secondary pressure suddenly rises tot he same pressure as primary pressure. (fully open)
- (3) When the main unit is turned OFF, high speed exhaust starts and residual pressure in the unit is exhausted.





Switchover secondary pressure

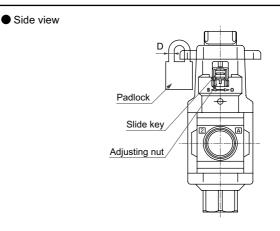


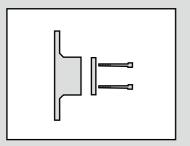
How to adjust slow start function (refer to side view)

- (1) Press the slide key up and release the adjustment nut lock.
- (2) Turn the main unit on, and confirm the cylinder operation speed and secondary pressure rise time. Then turn the main unit off.
- (3) Turn the adjustment nut as explained below, and adjust the state. Cylinder pops out → Turn to the S side Low speed operation time is too long → Turn to the O side Repeat steps (2) and (3) as necessary, and adjust to the optimum
- state. (4) Align the adjustment nut keyway to the projection on the slide key.
- (4) Align the adjustment nut keyway to the projection on the slide key(5) Press down the slide key and lock the adjustment nut.
- (6) Confirm that the main unit is off.

▲ Safety precautions

- Note 1: This valve is dedicated for starting and stopping (including emergency stop) the device. This valve should not be used for cylinder repeat operation or as a normal 3-way valve.
- Note 2: If the minimum operating pressure of the cylinder, which is to be kept from popping out, is less than 50% of the working pressure, popping out will not be prevented.
- Note 3: The manual override is locked with the manual valve type. Select a padlock with a D dimension of 3.8 to 5.8 mm.
- Note 4: Connect a silencer or exhaust filter, etc., to the exhaust port for safety and sound absorption.





Bracket Standard white series

B-W/B Series Joiner Standard white series



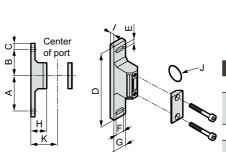
Applications



Note: Select B410-W when using the 3000-W Series and 4000-W Series combined.

Dimensions and applications

T type bracket set

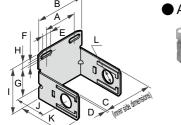


| Model no. | Applicable model | Α | В | С | D | Е | F | G | н | I | J | К |
|-----------|------------------|----|----|-------|-----|-----|-----|-------|----|-----|--------------|----|
| B110-W | 1000 Series | 45 | 35 | 10 | 100 | 5.5 | 7.5 | 16 | 25 | 7.5 | JASO-2013 | 40 |
| B310-W | 2000 Series | 60 | 45 | 10 | 125 | 7 | 14 | 22 | 27 | 7 | JISB2401-P21 | 45 |
| D310-W | 3000 Series | | | | | | | | | | | |
| B410-W | 4000 Series | 60 | 45 | 10 | 125 | 7 | 14 | 22 | 37 | 7 | JISB2401-P21 | 55 |
| B810-W | 6000 Series | 70 | 50 | 50 45 | 450 | 9 | 14 | 14 27 | 37 | 8 | AS568-127 | 65 |
| | 8000 Series | 70 | 50 | 15 | 150 | 9 | 14 | 21 | 31 | 0 | AS500-127 | 05 |

C type bracket

| ● Model no.: B120·B220·B320·B420·B620·B820 |
|--|
| Attachment: BW |

Model no.: B110-W·B310-W·B410-W·B810-W



Applications

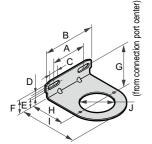
| - | | | | | | | | | | | | | | |
|---|-----------|------------------|------|-----|-----|------|------|-----|----|-----|------|----|-----|-------|
| | Model no. | Applicable model | A | В | C | D | E | F | G | н | I | J | К | L |
| | B120 | 1000 Series | 44 | 68 | 40 | t2.0 | 10 | 6.5 | 35 | 8.5 | 61.5 | 40 | 60 | ø19.5 |
| | B220 | 2000 Series | 28 | 54 | 50 | t2.3 | 10 | 7 | 33 | 8 | 63 | 45 | 69 | 17.3 |
| | B320 | 3000 Series | 34.5 | 67 | 63 | t2.3 | 16.5 | 7 | 45 | 9 | 75.5 | 45 | 69 | ø21.7 |
| | B420 | 4000 Series | 55 | 84 | 80 | t2.3 | 14.0 | 7 | 45 | 9 | 75.5 | 55 | 79 | ø21.7 |
| | B620 | 6000 Series | 68 | 104 | 90 | t2.3 | 16 | 9 | 54 | 11 | 97.5 | 60 | 97 | ø35 |
| | B820 | 8000 Series | 68 | 104 | 100 | t2.3 | 16 | 9 | 50 | 11 | 93.5 | 65 | 102 | ø35 |

L type bracket

• Model no: B130•B230•B330•B430

Attachment: B3W

Loosen the mounting nut to remove the knob. After inserting L type bracket, fix the bracket by the mounting nut. Press the knob in manually after fixing. Refer to page 15 for the details.



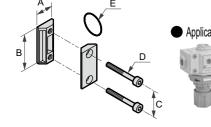


| 000 | | - | | | | | | | | | | | |
|-----|-----------|----------------------------|------|----|------|-----|------|------|--------------|----|----|-------|---------------------------------------|
| ons | Model no. | Applicable model | Α | В | С | D | Е | F | G | Н | I | J | Other |
| | B130 | 1000 Series | 44 | 68 | 10 | 6.5 | 16 | 24.5 | 45 | 40 | 59 | ø26.5 | |
| | B230 | 2000 Series | 28 | 54 | 10 | 7 | 18 | 26 | 52 | 45 | 69 | 38 | |
| | B330 | 3000 Series | 34.5 | 67 | 16.5 | 7 | 17.5 | 26 | 58 (63.5) | 45 | 76 | ø40 | Values in() are for W3000•3100 |
| | B430 | 4000 Series 6000 Series | 55 | 84 | 14 | 7 | 17.5 | 26 | 58 | 55 | 94 | ø47 | |

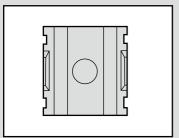
Joiner set

Model no.: C1000-J100-W C4000-J400-W

C8000-J800-W



| ations | Model no. | Applicable model | Α | В | С | D | E | |
|--------|--------------|---|----|----|----|------|------------------|--|
| - | C1000-J100-W | 1000 Series | 10 | 36 | 26 | M3.5 | JAS0-2013 | |
| | C4000-J400-W | 2000 Series 3000 Series 4000 Series | 21 | 44 | 32 | M5 | JIS B2401-P21 | |
| | C8000-J800-W | 6000 Series 8000 Series | 26 | 65 | 50 | M6 | AS568-127 | |



Distributor Standard white series D101/D401/D801/D300-W Series

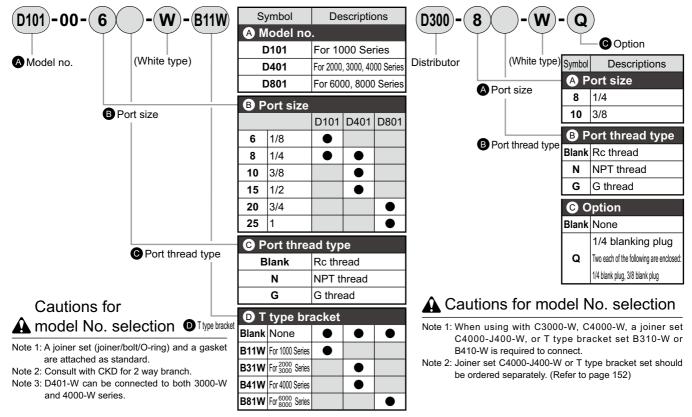
Applicable for pipe branching. Port size: 1/8 to 1 Rc1/4 Rc3/8 JIS symbol Rc1/4 3/8 1/4 (Rc3/8) Rc Rc1/4 Rc3/8



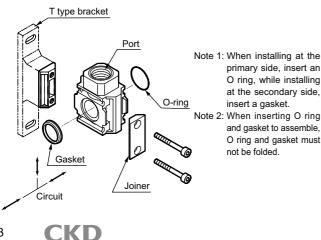
Specifications

| Descriptions | D101-00-W | D401-00-W | D801-00-W | D300-W | | | | | |
|--------------------------|------------|----------------|-----------|----------|--|--|--|--|--|
| Working fluid | | Compressed air | | | | | | | |
| Max. working pressure MP | a | 1. | .0 | | | | | | |
| Withstanding pressure MP | a | 1.5 | | | | | | | |
| No. of branch ports | | 1 | | | | | | | |
| Port size Rc, PT | , 1/8, 1/4 | 1/4, 3/8, 1/2 | 3/4, 1 | 1/4, 3/8 | | | | | |
| Working temperature °C | | 5 to 60 | | | | | | | |
| Product weight kg | 0.045 | 0.13 | 0.35 | 0.26 | | | | | |

How to order



How to install (D101-00-W, D401-00-W, D801-00-W)



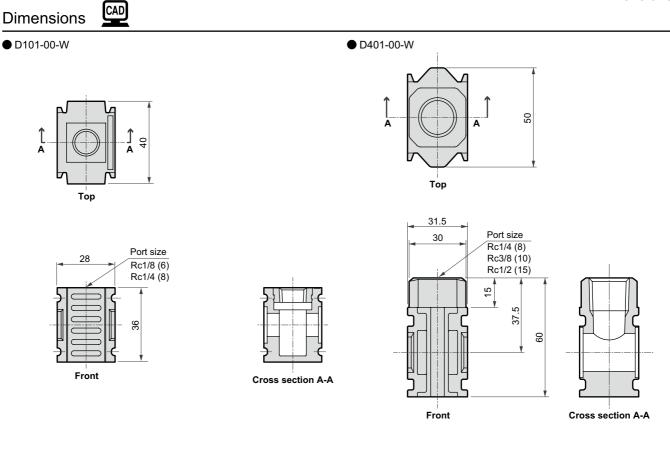
primary side, insert an O ring, while installing at the secondary side, Note 2: When inserting O ring and gasket to assemble. O ring and gasket must

Example (D101-00-W, D401-00-W, D801-00-W)

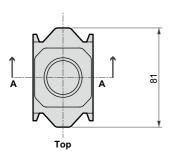


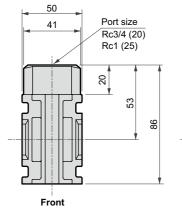
Distributor

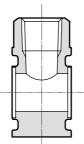
Dimensions



• D801-00-W





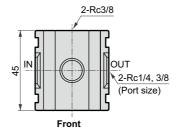


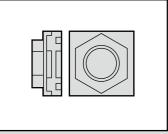
Cross section A-A

• D300-W



Cross section A-A





Piping adapter standard white series A100/A400/A800-W Series

Port size: 1/8 to 1

Applications

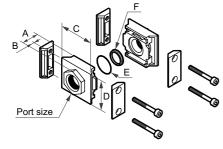


Dimensions and applications

Piping adaptor set

Model no.: A100-6, 8, 10-W A400-8, 10, 15, 20-W A800-20, 25, 32-W





| Model no. | Port size | Applicable model | Α | В | С | D | E (O-ring) | F (Gasket) | Other | |
|------------|-----------|---------------------|------------|------------|----|----|-------------------------------|------------|---|--|
| A100-6*-W | 1/8 | | | | | | | | | |
| A100-8*W | 1/4 | 1000 Series | 21.5 | 13.5 | 40 | 36 | JASO-2013 1 programs | 1 programs | - | |
| A100-10*-W | 3/8 | | | | | | r programo | | | |
| A400-8*-W | 1/4 | 2000 | | | | | | 1 programs | | |
| A400-10*-W | 3/8 | 4000 | 20 | 6 | | 45 | JISB2401 P21 1 programs | | Numbers in () are for 3/4 Numbers in{ } are for 1 | |
| A400-15*-W | 1/2 | Series | (25) | (11) | 50 | | | | | |
| A400-20*-W | 3/4 | | {34} {2 | {20} | | | | | | |
| A400-25*-W | 1 | | | | | | | | | |
| A800-20*-W | 3/4 | | | | | | | | | |
| A800-25*-W | 1 | 6000 8000 Series | 35 (38) | 15 (18) | 81 | 66 | 6 AS568-127 1 programs | 1 programs | Numbers in () are for1 1/4 | |
| A800-32*-W | 1 1/4 | Cooo Series | (50) | (10) | | | i piograms | | | |
| | | | | | | | | | | |

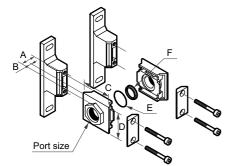
* Blank: Rc thread/N: NPT thread/G: G thread

Applications

Piping adaptor set with T type bracket

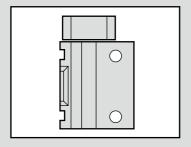
Model no.: A100-6, 8, 10-W-B11W
 A400-8, 10, 15-W-B31W
 A400-8, 10, 15, 20-W-B41W
 A800-20, 25, 32-W-B81W
 (T type bracket)





| Model no. | Port size | Applicable model | Α | В | С | D | E (O-ring) | F (Gasket) | Other |
|----------------------|--------------|---------------------|------------|---------|---------|------|-------------------------|------------|--|
| A100-6*-W-B11W | 1/8 | | | | | | | | |
| A100-8*-W-B11W | 1/4 | 1000 Series | 21.5 | 13.5 | 13.5 40 | | JASO-2013 1 programs | 1 programs | - |
| A100-10*-W-B11W | 3/8 | | | | | | 1 programo | | |
| A400-8*-W-B31W | 1/4 | | | 6 | 5 50 | 45 | JISB2401 | | |
| A400-10*-W-B31W | 3/8 | 2000 3000 Series | 20 | | | | P21 1 programs | 1 programs | |
| A400-15*-W-B31W | 1/2 | Source Series | | | | | | | |
| A400-8*-W-B41W | 1/4 | | 20 (25) | 1 1 | 50 | 45 | JISB2401 P21 | 1 programs | Numbers in() are for 3/4 Numbers in{ } |
| A400-10*-W-B41W | 3/8 |] | | | | | | | |
| A400-15*-W-B41W | 1/2 | 4000 Series | | | | | | | |
| A400-20*-W-B41W | 3/4 |] | {34} | | | | 1 programs | | are for 1 |
| A400-25*-W-B41W | 1 |] | | | | | | | |
| A800-20*-W-B81W | 3/4 | | | | | | | | |
| A800-25*-W-B81W | 1 | 6000 8000 Series | 35 (38) | 15 (18) | 81 | 1 66 | AS568-127 1 programs | 1 programs | Numbers in () are for1 1/4 |
| A800-32*-W-B81W | 1 1/4 | Source Deries | (00) | (10) | | | | | |
| * Blank: Rc thread/N | I. NPT thros | d/G: G thread | | | | | | | |

* Blank: Rc thread/N: NPT thread/G: G thread



Lpiping adaptor White Series A101/A401/A801-W Series

Port size: 1/8 t 1

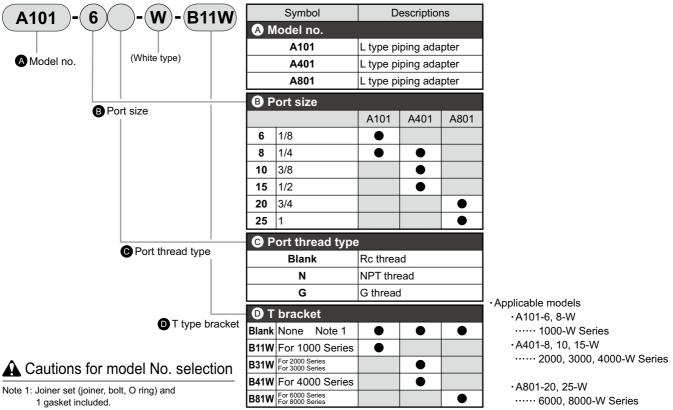


Specifications

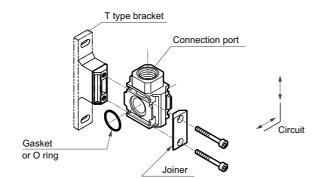
| Descriptio | ns | A101-W | A401-W Note 1 | A801-W | | | | |
|---------------------|---------|----------|----------------|--------|--|--|--|--|
| Working fluid | | | Compressed air | | | | | |
| Max. working pressu | ure MPa | 1.0 | | | | | | |
| Withstanding pressu | ire MPa | 1.5 | | | | | | |
| Port size | Rc, PT, | 1/8, 1/4 | 1/4, 3/8, 1/2 | 3/4, 1 | | | | |
| Working tempera | ture °C | 5 to 60 | | | | | | |
| Product weight | kg | 0.045 | 0.13 | 0.4 | | | | |

Note 1: A401-W can be connected to both 3000-W Series and •4000-W Series.

How to order



L type piping adapter



Note: Insert the fitting for replacement vertically until it reaches the back. Insert the O ring when mounting on the primary side for the air flow, and insert the gasket when mounting on the secondary side.

Note:Refer to the next page for dimensions.



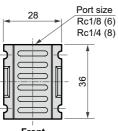
CKD

Piping adaptor

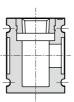


• A101-W

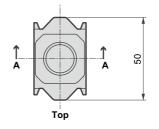
Î Ĵ 40 Ā Ā Тор



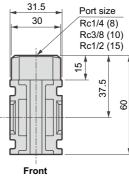
Front

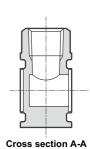


Cross section A-A

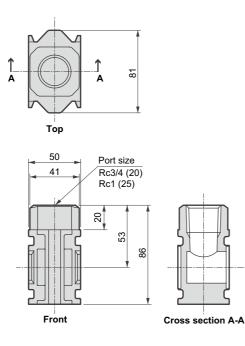


• A401-W





• A801-W





F.R.L. Modular type

Medium pressure

Components for air preparation/F.R.L. unit



| CONTENTS | |
|--|---------|
| Product introduction | Intro 1 |
| Series variation | 1 to 6 |
| Safety precautions | 11 |
| Air filter | |
| ● Air filter (FM*000-W) | 159 |
| Oil mist filter (MM*000-W) | 165 |
| Bracket, joiner (B, J) | 152 |
| Distributor (D*01-00) | 153 |
| Piping adaptor (A***) | 155 |
| Regulator | |
| ● Regulator (RM*000-W) | 171 |





Air filter medium pressure type

FM3000-W · FM4000-W · FM6000-W · FM8000-W Series

F3000 to 8000 Series with medium pressure specification Port size: 1/4 to 1

JIS symbol



Specifications

| opeomodione | | | | |
|--------------------------------|----------|----------------|--------------|-----------|
| Model no. | FM3000-W | FM4000-W | FM6000-W | FM8000-W |
| Exterior | | | | |
| Working fluid | | Compre | essed air | |
| Max. working pressure MPa | | 1.6 | 6 (Note2, 3) | |
| Withstanding pressure MPa | | 2 | 2.4 | |
| Ambient temperature °C | | -5 to 60 (to I | be unfrozen) | |
| Fluid temperature °C | | 5 to | o 60 | |
| Filtration rating µm | | 5 or | 0.3 | |
| Drain capacity cm ³ | 45 | 80 | 80 | 80 Note 1 |
| Port size Rc, PT, | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 |
| Product weight kg | 0.35 | 0.55 | 1.0 | 1.26 |

Note 1: Drainage accumulates up to 170 cm³ only with the manual drain cock.

Note 2: The min. working pressure of the automatic drain for models with automatic drain "F" is 0.1MPa. Air will purge with drain until it reaches 0.1MPa. Other specificaation will be as follows: max. working pressure 1.5MPa, withstanding pressure 2.25MPa, ambient temperature -5 to 45°C, fluid temperature 5 to 45°C.

Note 3: The min. working pressure of the automatic drain for models with automatic drain "F" is 0.15MPa.

Other specification will be as follows: max. working pressure 1.5MPa, withstanding pressure 2.25MPa, ambient temperature -5 to 45, fluid temperature 5 to 45.

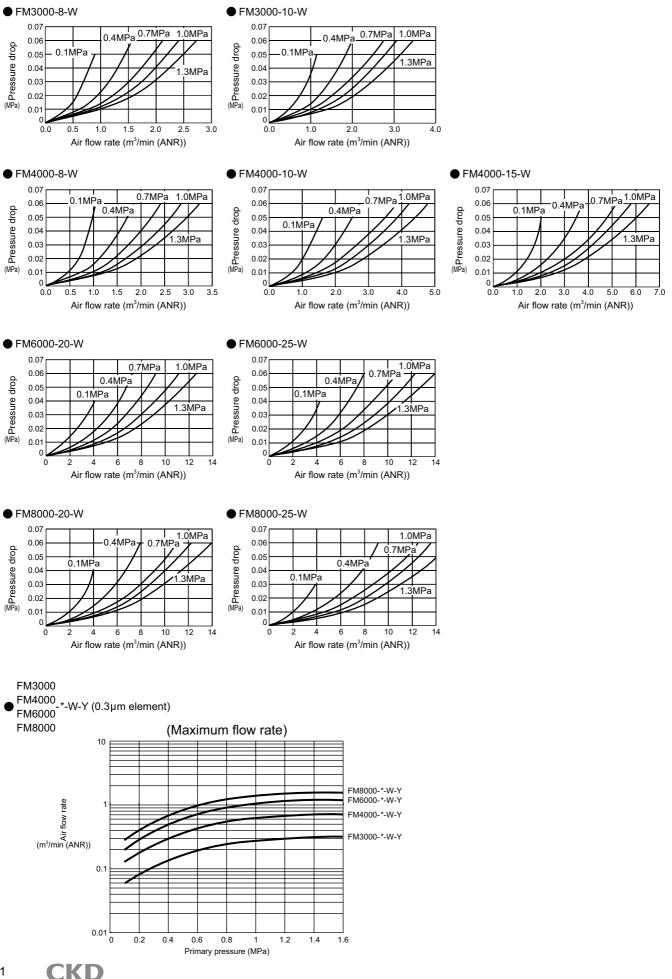
Air Filter Series

How to order

| How to order | * Refe | r top pa | ge 9 for an explanation | A Model no. | | | | | | | |
|---|-----------------|--------------------|--|-------------|--------|--------|--------|--|--|--|--|
| | | e option | - | F | F | F | F | | | | |
| (FM3000)-(8)()-W-(F)-()-(A8W) | \frown | | | M 3 | M 4 | M 6 | M 8 | | | | |
| | \neg | | | 0 | 0 | 0 0 | 0 | | | | |
| A Model no. (White type) | Symbo | | Descriptions | 0 | 0 | 0 | 0 | | | | |
| B Port size | | ort siz | e | | | | | | | | |
| | 8 | 1/4 | | • | • | | | | | | |
| | 10 | 3/8 | | • | • | | | | | | |
| | 15 | 1/2 | | | | | | | | | |
| | 20 | 3/4 | | | | | | | | | |
| | | | | | | - | Note 1 | | | | |
| C Port thread type | | C Port thread type | | | | | | | | | |
| | | Rc thr | | • | • | • | | | | | |
| | N | NPT t | | | | • | | | | | |
| | G | G thre | ad | • | | | | | | | |
| D Option | | ption | | | | | Note 2 | | | | |
| • | | Blank | With manual drain cock | | | • | | | | | |
| | | _ | NO type automatic drain | | | - | | | | | |
| | Drainage | e F | Drain port Rc1/8 | | | • | | | | | |
| | Note 3, Note | 4 | Max. working pressure 1.5 MPa, Max. working temperature 45°C | | | | | | | | |
| | | | N.C. type automatic drain (exhaust | | | • | | | | | |
| | | F1 | without pressurized): drain port Rc1/8 | | | • | | | | | |
| | Durlante | | Max. working pressure 1.5 MPa, Max. working temperature 45°C | | | | | | | | |
| | Bowi mater | _ | Metal bowl | | | | | | | | |
| | Elemer | It Blank | оµт 0.3µm | | | | | | | | |
| | Differential | _ | Without differential pressure detection port | • | | | | | | | |
| | pressure detect | | With differential pressure detection port (Rc1/4) | | | | | | | | |
| | Flow | | Standard flow (left to right) | • | | | | | | | |
| | directio | | Reverse flow (right to left) | • | • | • | | | | | |
| | | | ed unit | | | | | | | | |
| E Displayed u | nit | | lisplay, Rc thread | | | | | | | | |
| | J1 | - | lisplay, NPT, G thread | | | | | | | | |
| | | | | | EE An | 157 | | | | | |
| Attac | h maa nat | ttachn | | iges i | 55 (0 | 157 1 | | | | | |
| (inclu | | | bing adaptor set | | | • | | | | | |
| | | | bing adaptor set | | • | | | | | | |
| Cautions for model No. selection | | | bing adaptor set | | | | | | | | |
| | | | bing adaptor set | | | | | | | | |
| Note 1: When G threads or NPT threads are selected, the IN, OUT, and drainage discharge port are available. | | | ng adaptor set | | | • | | | | | |
| Note 2: Select the option from drain exhaust, bowl | | | biping adaptor set | | | • | | | | | |
| material and differential pressure detection. When selecting options for several items, list | | | hread type | | | • | | | | | |
| options in order from the top. | | Rc thr | | | | • | | | | | |
| Note 3: Refer to page 12 for the working conditions of the automatic drain | N | NPT t | | • | • | • | | | | | |
| Note 4: The large discharge automatic drain is provided only when | G | G thre | | • | • | • | | | | | |
| "F" or "F1" is selected for FM8000-W drain discharge. | <u>e</u> | racket | : (attached) | | · | Pad | ge 152 | | | | |
| | racket | Not at | | | | - aų | | | | | |
| Note 0. A juiller set is allached with the piping adapter | | _ | e bracket | | | • | | | | | |
| set. | | 10.000 | | - | - | - | | | | | |

Air Filter Series

Flow characteristics

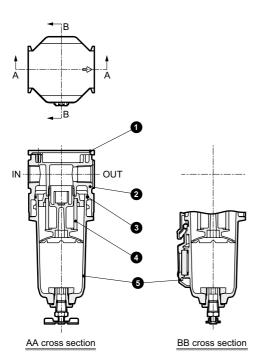


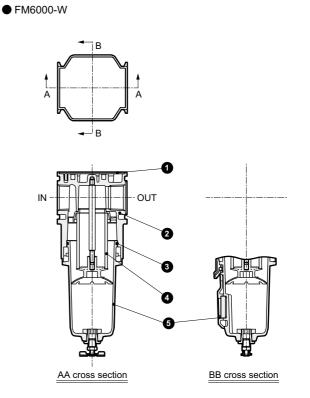
161

Air Filter series

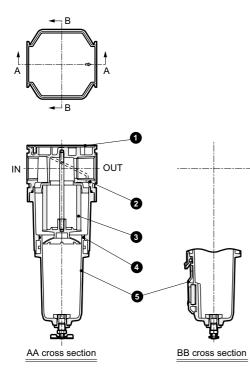
Internal structure and parts list

● FM3000-W·FM4000-W





• FM8000-W

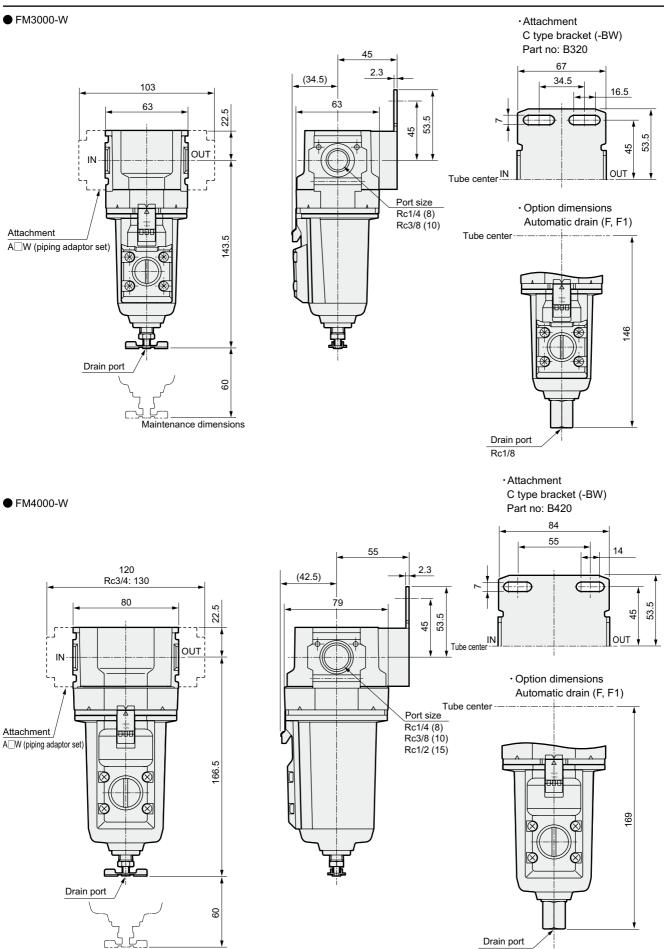


| No. | Part name | Material |
|-----|---------------------|--|
| 1 | Plate cover | ABS resin |
| 2 | Body | Aluminum alloy die-casting |
| 3 | O-ring | Special nitrile rubber |
| | Element (5µm) | Polypropylene |
| 4 | Element (0.3µm) | - |
| 5 | Metal bowl assembly | Aluminum alloy die casting, brass, glass, nitrile rubber, steel, stainless steel |

Note 1: Refer to page 93 and 94 for elements(consumable), repair parts kit and bowl assembly.

Air Filter Series

Dimensions



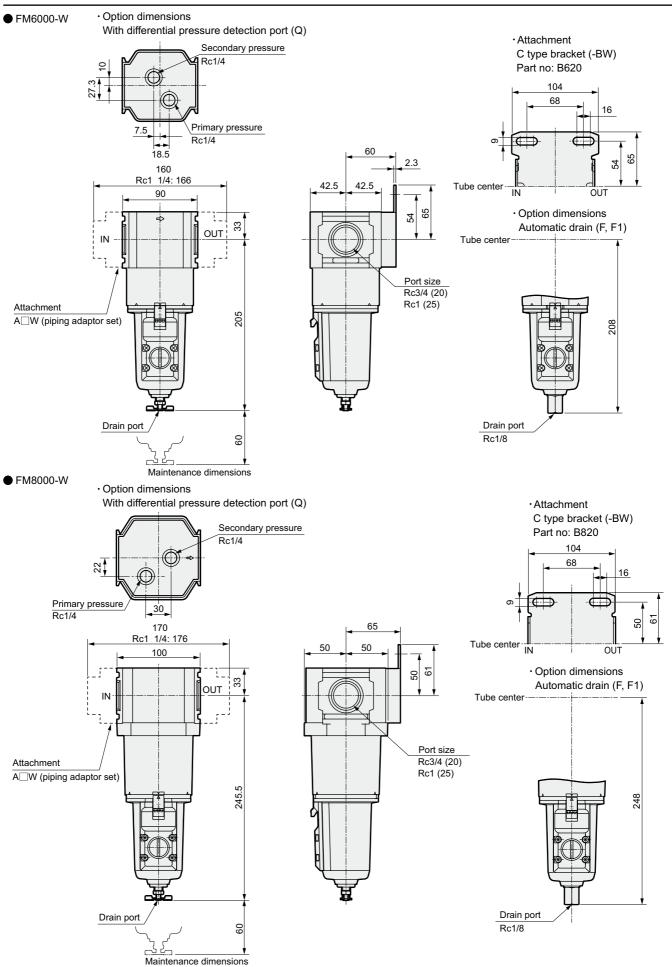
Rc1/8

163 **CKD**

Maintenance dimensions

Air Filter series Dimensions

Dimensions





Oil mist filter for medium pressure

MM3000-W/MM4000-W/MM6000-W/MM8000-W Series

1

M3000 to 8000 Series medium pressure specification Port size: 1/4 to 1

JIS symbol



1.48

Specifications

Product weight

| Model no. | MM3000-W | MM4000-W | MM6000-W | MM8000-W |
|--------------------------------|----------|---------------|-----------|----------|
| Exterior | | | | |
| Working fluid | | Compre | essed air | |
| Max. working pressure MPa | | 0.1 to 1.6 | 6 Note 7 | |
| Withstanding pressure MPa | | 2 | .4 | |
| Drain capacity cm ³ | 45 | 80 | 80 | 804 |
| Port size Rc, PT, | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4, 1 | 3/4, 1 |

| Mantle option name | Blank (M type) | S (S type) | X (X type) | | | |
|---|-----------------------------|--|---|--|--|--|
| Processing flow MM3000W | 490 | 610 | 610 | | | |
| ℓ/min (ANR) MM4000-□-W | 1130 | 1370 | 1370 | | | |
| Primary pressure 1.4 MPa MM6000W | 1740 | 1920 | 1920 | | | |
| Pressure drop 0.01 MPa MM8000W | 3560 | 3980 | 3980 | | | |
| Ambient temperature °C | -5 to 60 (to I | -5 to 30 (to be unfrozen) | | | | |
| Fluid temperature °C | 5 to | 5 to 60 | | | | |
| Filtration rating µm | 0.01 (nominal) | 0.3 | Adsorption by activated charcoal Note 4 | | | |
| Secondary oil concentration mg/m ³ | 0.01 or less Note 2, Note 3 | 0.5 or less Note 2 | 0.003 or less Note 2, Note 5 | | | |
| Mantle (element) replacement | 1 year (6000 hours) or p | 1 year (6000 hours) or pressure drop of 0.1MPa | | | | |

0.55

Note 1: Use within the maximum processing flow rate.

kg

If the maximum processing flow is exceeded temporarily, or if the filter is installed at a place with high levels of pulsation, the mantle could be damaged or oil or drainage, etc., could splatter to the secondary side and result in faults at the terminal.

Note 2: Primary side oil concentration 30mg/m³ when inlet air temperature is 21°C.

Note 3: Install an oil mist filter (S type) as a prefilter on the primary side to prevent early clogging.

0.35

Note 4: Activated carbon particles could flow to the secondary side, so install an air filter (F Series) or oil mist filter (M Series M type or S type) on the secondary side.

Note 5: When an oil mist filter (M Series M type) is installed on the primary side.

Note 6: The X type mantle (element) replacement period depends on odor density in compressed air and cannot be clearly indicated.

Consider the total period from initial installation to when the smell of oil is confirmed as the effective deodorizing period, and replace the mantle (element) regularly.

The primary air temperature must be 30°C or less. Deodorizing decreases if the temperature is high, so provide measures to dissipate heat.

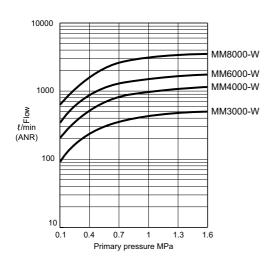
Note 7: The minimum operation pressure of the automatic drain is 0.15 MPa for the "F1" with an automatic drain. Max. working pressure 1.5MPa, withstanding pressure2.25MPa, ambient temperature-5 to 45°C, fluid temperature 5 to 45°C.

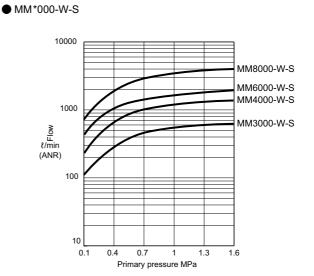
How to order

| How to order | * Refe | er ton na | ne 9 for an explanation | A Mo | odel n | 0. | |
|---|------------------------|-----------------|--|---|---|-------|-----------|
| | | of the options. | | | | М | M |
| | | | | 3 | 4 | 6 | 8 |
| | | | | 0 | 0 | | |
| A Model no. (White type) | Symbo | ol | Descriptions | ŏ | ŏ | ŏ | ŏ |
| | | | e | | | | |
| | 8 | 1/4 | | | | | |
| | 10 | 3/8 | | | | | |
| | 15 | 1/2 | | | | | |
| | 20 | 3/4 | | | | • | |
| | 25 | 1 | | | | • | |
| | C F | Port thr | ead type | | M M M M 3 4 6 8 0 0 0 0 0 0 0 0 0 | | |
| C Port thread type | | | | M M | | | |
| | N | | | | M M M M A 0 0 0 0 < | | |
| | G | | | | | • | |
| | | Intion | | | | | Note 2 |
| Image: Symbol Descriptions Image: Symbol Descriptio | With manual drain cock | | | - | Note 2 | | |
| | | | | - | • | • | |
| | Drainag | je F1 | | | | | |
| | Note 3, Note | e4 | | | | • | |
| | Bowl mater | ial Blank | | | | | |
| | Downmater | - | | | | | |
| | Flemer | - | | | | | |
| | | - | X type (deodorization; remaining oil 0.003mg/m ³) Note 5 | | | | |
| | Differential | | | | | - | |
| | | | With differential pressure detection port (Rc1/4) | | - | - | - |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (B) Displ | aved unit | | | | | | |
| C . | Bian | | | • | • | • | • |
| Option Option | | MPa c | lisplay, NPT, G thread | | • | • | |
| | ttoohmont | | - | ages 1 | 55 to ′ | 157 N | Note 7 |
| U r | Dian | | | • | • | • | \bullet |
| | | | | • | • | | |
| A Cautions for model No. selection | | - | | • | • | | |
| | A15*V | N 1/2 pi | bing adaptor set | • | • | | |
| | | - · · | • • | | • | | |
| | | | • | | | | |
| | | | | | | | |
| When selecting options for several items, list | | | | 1 | | | |
| | Blan | | | | | | |
| | | - | | | • | | |
| automatic drain. | G | G thre | ad | | | | |
| Port size Port thread type Port type Port thread type | | Bracket | (included) | | | Pag | ge 152 |
| be used together. | Diackel Blan | | | | | • | |
| | | C type | e bracket | | | | |
| 501. | | | | | | | |

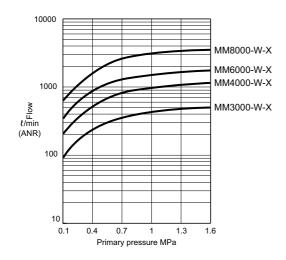
Flow characteristics (Maximum flow rate)

• MM*000-W





• MM*000-W-X



Selecting optional mantle for oil mist filters

Option symbol Appearance Recommended circuit Applications Plastic foam S type General industrial air • Air tools red Air drill, air driver End air grinder Blank plate · Labor saving device and components (M type) black · Pneumatic jigs and tools Air chuck · Air vice · Air for cleaning precision parts Plastic foam red M type Oil free air Instrumentation FSM Fnd s Measurement plate (S type) · Sequence control green Movable element, pure fluid element · Luxury painting · Precision industry Punching metal End х Deodorized air · Food industry plate ♦ X type FSMX (X type) black · Pharmaceutical industry Stirring Transportation • Drying Note: Changes for product upgrades may be made without prior notice. · Packaging When placing an order, confirm the option symbol for · Air for brewing the part model given here.

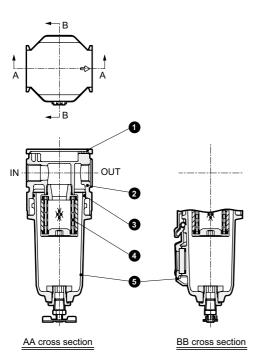
Option symbol and shap of mantles

167 **CKD**

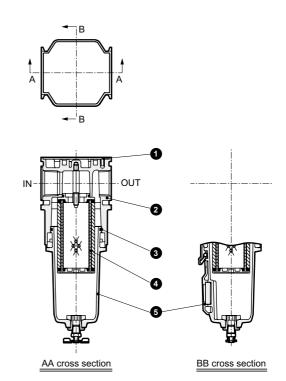
Internal structure and parts list

Internal structure and parts list

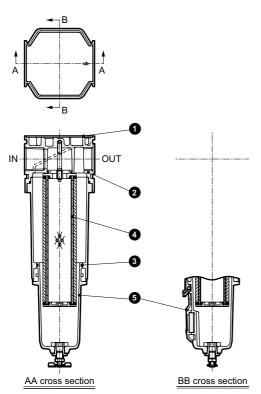
● MM3000-W · MM4000-W







• MM8000-W



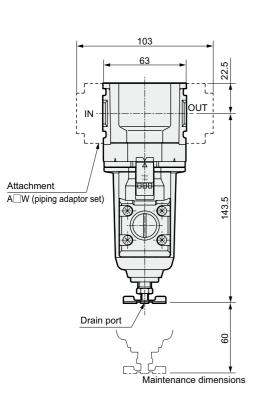
| No. | Part name | Material |
|-----|---------------------|--|
| 1 | Plate cover | ABS resin |
| 2 | Body | Aluminum alloy die-casting |
| 3 | O-ring | Special nitrile rubber |
| 4 | Mantle assembly | - |
| 5 | Metal bowl assembly | Aluminum alloy die casting, brass, glass, nitrile rubber, steel, stainless steel |

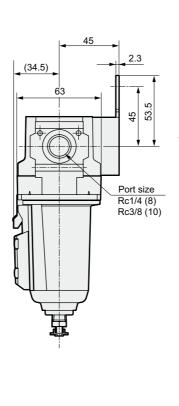
Note 1: The same repair parts kit and mantle are same as M*000-W. Refer to repair parts on page 102.

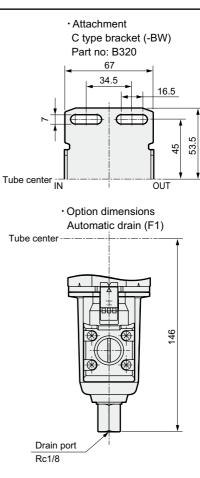
168

Dimensions

• MM3000-W

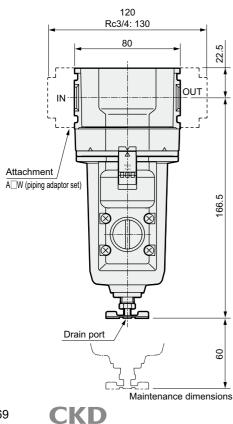


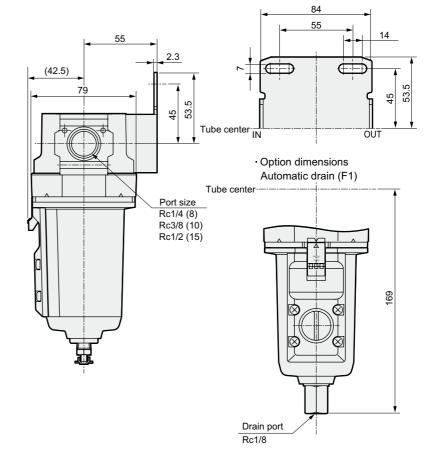




 Attachment C type bracket (-BW) Part no: B420

MM4000-W

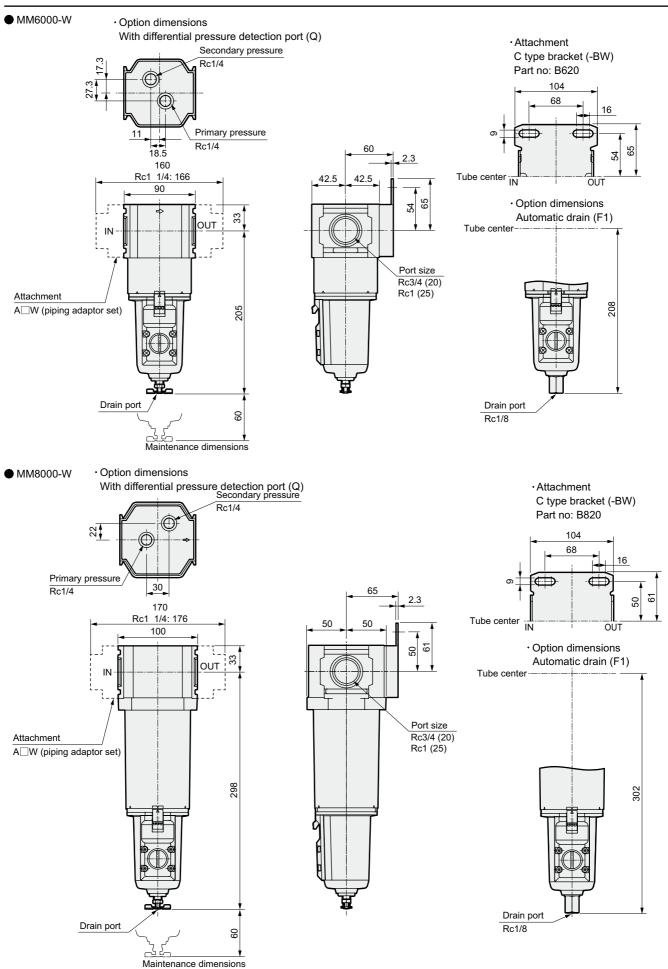




169

Dimensions





CKD 170



Regulator for medium pressure

RM3000-W/RM4000-W Series

Medium pressure specification R3000-W·R4000-W Series Port size: 1/4 to 1/2





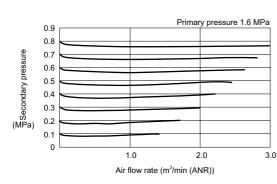
Specifications

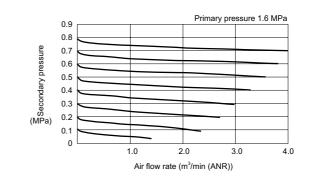
| Descriptions | | RM3000-W | RM4000-W | | | |
|---------------------------|-----|-------------------------------------|-------------------------------------|--|--|--|
| Working fluid | | Compressed air | | | | |
| Max. working pressure N | ЛРа | 1.6 | | | | |
| Withstanding pressure N | ЛРа | 2.4 | | | | |
| Ambient temperature range | °C | -5 to 60 (not freez | ing) (Note 1) | | | |
| Set pressure range | /Ра | 0.05 to 0.85 | | | | |
| Relief | | With relief mechanism | | | | |
| Port size Rc, | PT, | 1/4, 3/8 (1/2 uses an adaptor) | 1/4, 3/8, 1/2 (3/4 uses an adaptor) | | | |
| Product weight | g | 0.45 | 0.7 | | | |
| Standard accessories | | Pressure gauge, nut for panel mount | | | | |

Note 1: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

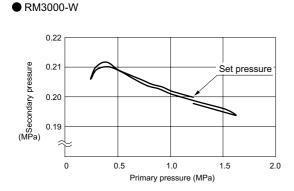
Flow characteristics

• RM3000-10-W



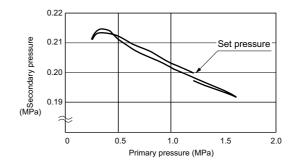


Pressure characteristics



RM4000-W

• RM4000-15-W



Regulator Series

How to order

How to order

| RM3000-8-W-NA8W | \bigcirc | | * Refer top page 9 for an explanation of the options. | R | Nodel no. R |
|---|---------------------------------------|---|---|------------------|-----------------------|
| (White type) | G Atta | achment | | M 3 0 0 | M 4 0 0 0 |
| | , , , , , , , , , , , , , , , , , , , | | Descriptions | | |
| B Port size | B Por | t size | | | |
| | 8 | 3 | 1/4 | | |
| | | - | | | |
| | | - | | | |
| Port thread type | C Por | t threac | l type | No | te 1 |
| | Bla | | Rc thread | | |
| | 1 | N | NPT thread | | |
| | | 3 | G thread | | |
| Option | D Opt | ion | | No | te 2 |
| | Poliof | Blank | With relief mechanism | \bullet | \bullet |
| | Relief | Ν | Non-relief type | | |
| | | Blank | With standard pressure gauge (G401) | \bullet | \bullet |
| | Pressure | T Note 3 | Without pressure gauge (gauge port (Rc1/4) assembled sealed) | \bullet | \bullet |
| | gauge | Т8 | Pressure gauge attachable (gauge port (Rc1/4) assembled open) | \bullet | |
| | | of the options. R Symbol Descriptions Port size 0 8 1/4 10 3/8 15 1/2 Port thread type N Blank Rc thread N NPT thread G G thread Option N Relief N Non-relief type 0 Blank With relief mechanism R 0 Potion N Relief N Non-relief type 0 Blank With standard pressure gauge (G401) Image T Note 3 Without pressure gauge (gauge port (Rc1/4) assembled sealed) R Pressure switch with display PPD assembled R Pressure switch with display PPD assembled Flow Blank Standard flow (left to right) | \bullet | | |
| | Flow | Blank | Standard flow (left to right) | | |
| 1 | Direction | X1 | Reverse flow (right to left) | | |
| | E Dis | plaved | unit | | |
| Displayed unit | | | | | |
| | J | | | | |
| | B Din | ina ada | | No | to Q |
| Piping adaptor set | | | | | |
| (included) | | | | | |
| - | | | | | |
| - | | | | | |
| - | | | | | |
| | | | | | |
| Cautions for model No. selection | | | | | |
| Note 1: G and NPT threads are available for IN, OUT, and | | | | | |
| gauge ports. Note 2: When selecting options for several items, list | | | | | |
| options in order from the top. | | - | | | |
| Note 3: When "T" is selected, the gauge plug is assembled instead of the pressure gauge. | | | | 52, | 183 |
| Note 4: Refer to Pneumatic, Vacuum and Auxiliary | | | | | |
| Components Catalog (No. CB-024S) for details on | | | | | |
| "R1" Note 5: Piping adaptor set A*00-**-W (Refer to related | | | | | |
| components page 155) included. | | | | | |
| Note 6: Refer to related components for details on attachments. The piping adapter set and C bracket cannot be | - | - | | | |
| used together. | | | | | |
| Note 7: If NPT is selected for the "C" piping thread, an NPT | | | | | |
| pressure gauge is included. If an Rc or G thread is selected, an R thread pressure gauge is included. | | | | | |
| Note 8: Refer to Safety Precautions for the F.R.L. Unit for | G4 | 1P | Pressure gauge: G41D-8-P10 | | |

Note 8: Refer to Safety Precautions for the F.R.L. Unit for details on mounting the L-type bracket.

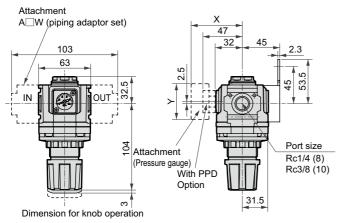
Note 9: A joiner set is attached with the piping adapter set.

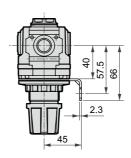
- The internal structure and parts list are common with the R*-000-W. Refer to page 116 for details.
- Refer page 128 for more details of options.

Regulator Series

Dimensions

• RM3000-W



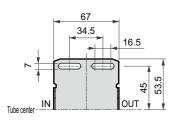


Panel cut dimensions

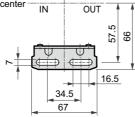


Panel thickness: Max. 7mm

·Attachment (C type bracket) C type bracket (-BW) Part no: B320

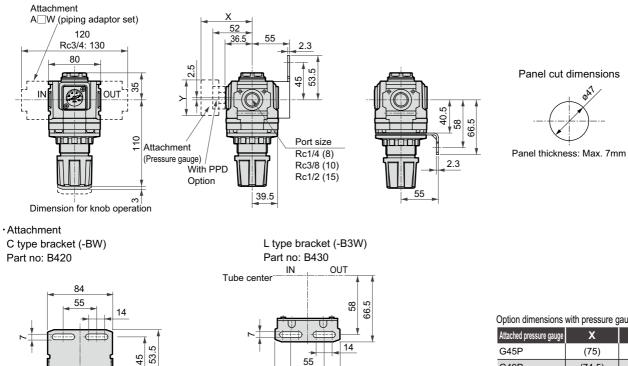


L type bracket (-B3W) Part no: B330 Tube center



| Option dimensions with pressure gauge attached | | | | | | | |
|--|--------|-------|--|--|--|--|--|
| Attached pressure gauge | X | Y | | | | | |
| G45P | (70) | ø39 | | | | | |
| G49P | (69.5) | ø43.5 | | | | | |
| G59P | (72) | ø52 | | | | | |
| G40P | (71.5) | ø42.5 | | | | | |
| G50P | (71.5) | ø52.5 | | | | | |
| G41P | (70) | ø42 | | | | | |

RM4000-W



55

84

Option dimensions with pressure gauge attached

| Attached pressure gauge | X | Y |
|-------------------------|--------|-------|
| G45P | (75) | ø39 |
| G49P | (74.5) | ø43.5 |
| G59P | (77) | ø52 |
| G40P | (76.5) | ø42.5 |
| G50P | (76.5) | ø52.5 |
| G41P | (75) | ø42 |

CKD 173

١N Tube center

OUT

F.R.L. Modular type

Copper and PTFE free series

Components for air preparation/F.R.L. unit



| CONTENTS | |
|---------------------------------------|---------|
| Product introduction | Intro 1 |
| Series variation | 1 to 6 |
| Safety precautions | 11 |
| Combination | |
| ● F.R.L. combination (C*000-W-P6) | 175 |
| Filter·regulator | |
| ● Filter · regulator (W*000-W-P6) | 176 |
| Reverse filter regulator (W*100-W-P6) | 177 |
| Air filter | |
| ● Air filter (F*000-W) | 178 |
| ● Oil mist filter (M*000-W) | 179 |
| Regulator | |
| Regulator (R*000-W-P6) | 180 |
| Reverse regulator (R*100-W-P6) | 181 |
| Lubricator | |
| Lubricator (L*000-W) | 182 |
| Pressure gauge (G49D-P6/G59D-P6) | 183 |
| Bracket, joiner (B-W⋅J-W) | 152 |
| Distributor (D*01-00-W) | 153 |
| Piping adaptor (A***-W) | 155 |



F.R.L. combination: copper and PTFE free specification $C1000/C2500/C3000 - W-P6 \ Series$

Copper ion prevention treatment

Port size: 1/8 to 1





• • •

| low to order | | | Refer top page 9 for an explanation of the options. | | 1 | Мо | | | (|
|---|--------------------|-----------|---|----------|-------------|------------|-----------|-------------|--------|
| C1000)-(6))-W-(CT)P6-()) | (A6W) | | - G Shut-off valve (included) | C 1 | C 2 5 | C 3 | C 4 | C 6 5 | |
| $ \rightarrow \uparrow \uparrow \uparrow \downarrow \uparrow \downarrow \uparrow \downarrow \uparrow$ | G | Piping | adaptor set (included) | 0 | 5 | 0 | 00 | 5 0 | |
| (White type) Copper and PTFE free specification | Syn | nbol | Descriptions | ŏ | ŏ | ŏ | ŏ | ŏ | |
| Model no. | B Por | t size | | | | | | | |
| B Port size | | 6 | 1/8 | | | | | | |
| | 8 | 8 | 1/4 | | | | \bullet | | |
| | 1 | 0 | 3/8 | | | | | | |
| | 1 | 5 | 1/2 | | | | \bullet | | |
| | 2 | 20 | 3/4 | | | | | | Γ |
| | 2 | 25 | 1 | | | | | | |
| | C Por | t threa | d type | | | | | No | f |
| Port thread type | | ank | Rc thread | | | | | • | ſ |
| | | N | NPT thread | • | • | • | • | • | F |
| | | G | G thread | • | • | • | • | • | F |
| | D Opt | - | <u> </u> | | | , <u> </u> | | Ne | L Į |
| D Option | e opi | 1 | Filter with manual drain cock, lubricator without manual drain cock | | | | | No | ľ |
| | Drainage | С | Lubricator with manual cock | • | | | | - | ┞ |
| | Bowl | Blank | Polycarbonate bowl | | | | | - | ┞ |
| | material | | Nylon bowl | | | | | - | ┝ |
| | materia | Blank | , | • | | | | - | ┝ |
| | Element | Y | 0.3µm (submicron) | | | | | - | ┝ |
| | Differential | Blank | Without differential pressure detection port | | | | | - | ┝ |
| | pressure detection | Q | With differential pressure detection port (Rc1/4) | - | | | - | - | ┝ |
| | pressure detection | T | Without pressure gauge, setting: 0.05 to 0.85 MPa, relief type | • | | | | - | ┝ |
| | | LT | Without pressure gauge, setting: 0.05 to 0.35 MPa, relief type | <u> </u> | | | | - | ╞ |
| | Regulator | NT | Without pressure gauge, setting: 0.05 to 0.85 MPa, non-relief type | | | | | • | ┝ |
| | | LNT | Without pressure gauge, setting: 0.05 to 0.35 MPa, non-relief type | | | | | • | ╞ |
| | Flow | Blank | Standard flow (left to right) | • | | | | • | ┢ |
| | Direction | X1 | Reverse flow (right to left) | • | | | | • | F |
| | | | | | | | | - | |
| Displayed unit | | played | | | | | | | F |
| | | ank 1 | MPa display, Rc thread MPa display, NPT, G thread | | | | | - | ╞ |
| | | | | | | | | _ | |
| | | | | age | s 15 | 5 to | 157 | No | ť |
| | | ank | Not included | • | | | | • | L |
| | | 5*W | 1/8 piping adaptor set | | | | | | Ļ |
| | | 5*W | 1/4 piping adaptor set | • | • | • | • | | - |
| Cautions for model No. selection | | 0*W | 3/8 piping adaptor set | • | • | • | | | - |
| e 1: Refer to page 21 to 28 for specifications, dimensions | | 5*W | 1/2 piping adaptor set | | • | | | - | ŀ |
| and flow characteristics. | | 0*W | 3/4 piping adaptor set | | | | | | Ļ |
| te 2: G and NPT threads are available for IN, OUT, and gauge ports, drain port. including the attachment V. | | 5*W | 1 piping adaptor set | | | | | • | ┞ |
| te 3: Select options from drain exhaust, bowl material, | | 2*W | 1 1/4 piping adaptor set | | | | | • | L |
| element, differential pressure detection, regulator, and | | | ead type | | | | | | f |
| regulator. When selecting options for several items, list options in order from the top. | | ank | Rc thread | | | | | | Ļ |
| Select one of the regulator options. | | N 2 | NPT thread | | | | | | Ļ |
| te 4: Combinations other than those above are used as custom combinations (Page 189). | | G | G thread | | | | | - | Ļ |
| te 5: A joiner set is attached with the piping adapter set. | G Shu | ut-off va | alve (included) | | | | P | age | 1 |
| | Bla | ank | Not included | | \bullet | | \bullet | | L |
| | | | | | | | | | |

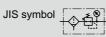
vw

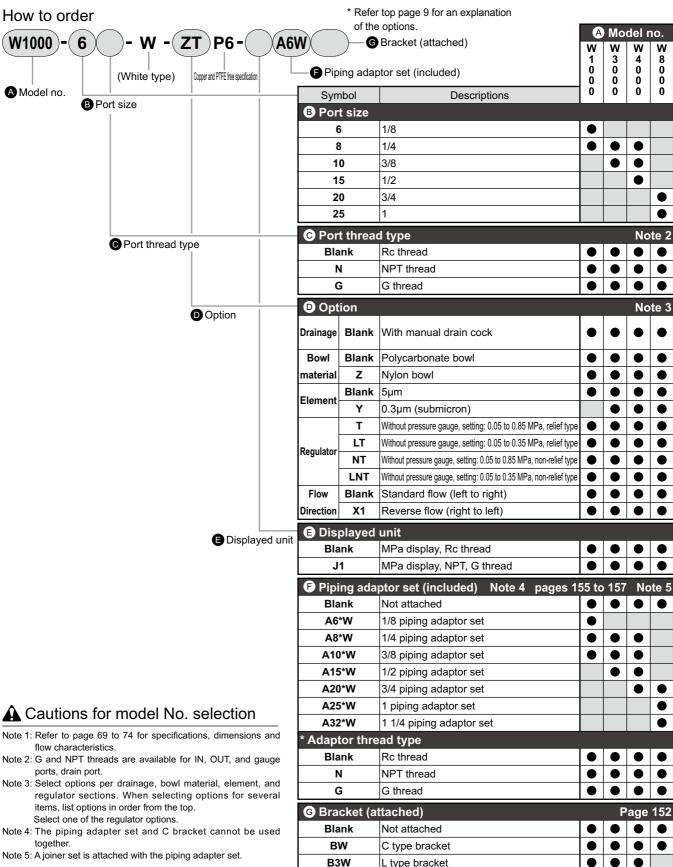
Shut-off valve (V3000-W) + joiner set



Filter with regulator: copper and PTFE free specification W1000/W3000 W4000/W8000-W-P6 Series

Copper ion prevention treatment Port size: 1/8 to 1





L type bracket

Note 5: A joiner set is attached with the piping adapter set.

:0 F



Reverse filter with regulator: copper and PTFE free specification

W1100·W3100 W4100·W8100**-W-P6** Series

Copper ion prevention treatment Port size: 1/8 to 1





| How to order | | | Refer top page 9 for an explanation of the options. | A | Mo | del r | 20 |
|--|---------------|-----------|--|-----------|-----------|-----------|-----|
| (W1100)-(6)()-W-(ZT)P6-()-(A | 6W) |)—(| G Bracket (attached) | w | W | W | V |
| $ \rightarrow $ | | | | 1 | 3 | 4 | 8 |
| (White type) Copper and PTFE free specification | └─ ₽ ₽ | Piping ad | laptor set (included) | 1 0 | 1 | 1 | |
| A Model no. | Sym | lod | Descriptions | 0 | 0 | 0 | |
| | B Por | t size | | | | | |
| B Port size | 6 | | 1/8 | | | | |
| | 8 | } | 1/4 | \bullet | | | |
| | 1 | 0 | 3/8 | | | | |
| | 1 | 5 | 1/2 | | | • | |
| | 2 | | 3/4 | | | | 4 |
| | 2 | 5 | 1 | | | | |
| Dort thread time | C Por | t thread | d type | | | No | ote |
| C Port thread type | Bla | nk | Rc thread | | | | |
| | Ν | 1 | NPT thread | \bullet | \bullet | \bullet | |
| | G | 3 | G thread | | | | |
| | D Opt | ion | | | | No | ote |
| Option | Drainage | Blank | With manual drain cock | • | • | • | |
| | Bowl | Blank | Polycarbonate bowl | • | • | | |
| | material | Z | Nylon bowl | • | • | • | |
| | | Blank | 5µm | • | | • | 1 |
| | Element | Y | 0.3µm (submicron) | | | | • |
| | | Т | Without pressure gauge, setting: 0.05 to 0.85 MPa, relief type | | | • | (|
| | Domulator | TL | Without pressure gauge, setting: 0.05 to 0.35 MPa, relief type | \bullet | | • | |
| | Regulator | NT | Without pressure gauge, setting: 0.05 to 0.85 MPa, non-relief type | | | | |
| | | LNT | Without pressure gauge, setting: 0.05 to 0.35 MPa, non-relief type | \bullet | | | |
| | Flow | Blank | Standard flow (left to right) | \bullet | | | |
| | Direction | X1 | Reverse flow (right to left) | | | | |
| Displayed unit | E Dis | played | unit | | | | |
| | Bla | ink | MPa display, Rc thread | | | | 1 |
| | J | 1 | MPa display, NPT, G thread | | | | |
| | F Pipi | ng ada | ptor set (included) Note 4 pages 1 | 55 to | 5 157 | / No | ote |
| | Bla | <u> </u> | Not attached | | | | |
| | A6 | *W | 1/8 piping adaptor set | | | | |
| | A8 | *W | 1/4 piping adaptor set | | | | |
| | A10 | *W | 3/8 piping adaptor set | | | | |
| Cautions for model No. selection | A15 | 5*W | 1/2 piping adaptor set | | | | |
| Note 1: Refer to page 77 to 84 for specifications, dimensions and | A20 |)*W | 3/4 piping adaptor set | | | | |
| flow characteristics. Note 2: G and NPT threads are available for IN, OUT, and gauge | A25 | 5*W | 1 piping adaptor set | | | | |
| ports, drain port. | A32 | 2*W | 1 1/4 piping adaptor set | | | | |
| Note 3: Select options per drainage, bowl material, element, and regulator sections. When selecting options for several | * Adapt | tor thre | ad type | | | | |
| items, list options in order from the top. | | nk | Rc thread | \bullet | \bullet | \bullet | |
| Select one of the regulator options. Note 4: The piping adapter set and C bracket cannot be used | N | | NPT thread | | | | |
| together. | G | 6 | G thread | | | | |
| Note 5: Position of the check valve and pressure gauge can not be | G Bra | cket (a | ttached) | | F | Page | 1 |
| changed. If the reverse direction of IN and OUT are required, indicate "X1" in the end of optional section. | Bla | ink | Not attached | | | | |
| | | | | - | | | |
| Note 6: A joiner set is attached with the piping adapter set. | B | W | C type bracket | | | | Ľ |



Air filter: copper and PTFE free specification F1000/F3000 F4000/F6000/F8000-W Series

Copper ion prevention treatment Port size: 1/8 to 1 Copper and PTFE free specification as standard.



How to order * Refer top page 9 for an explanation A Model no F1000 Ζ (A6W) 6 of the options. F F F F 4 6 3 8 (White type) ŏ Ó 0 Ó Ó **G** Bracket 0 0 0 0 0 A Model no. (included) Õ Õ Õ Õ Õ Symbol Descriptions B Port size B Port size 6 1/8 • 1/4 8 • • 3/8 10 • • 15 1/2 20 3/4 • 25 1 C Port thread type Note 2 C Port thread type Blank Rc thread • Ν NPT thread • G G thread • • D Option Note 3 **D** Option Drainage Blank With manual drain cock Bowl Blank Polycarbonate bowl • material Ζ Nylon bowl • Blank 5µm • • Element Υ 0.3µm (submicron) Blank Without differential pressure detection port Differential • • essure detectio Q With differential pressure detection port (Rc1/4) • Flow Blank Standard flow (left to right) Direction Reverse flow (right to left) • X1 E Displayed unit Displayed unit Blank MPa display, Rc thread J1 MPa display, NPT, G thread • Note 4 pages 155 to 157 Note 5 F Piping adaptor set (included) Piping adaptor set Blank Not included • (included) A6*W 1/8 piping adaptor set A8*W 1/4 piping adaptor set A10*W 3/8 piping adaptor set • A15*W 1/2 piping adaptor set A20*W 3/4 piping adaptor set A25*W Cautions for model No. selection 1 piping adaptor set A32*W 1 1/4 piping adaptor set Note 1: Refer to page 85 to 94 for specifications, dimensions Adaptor thread type and flow characteristics. Note 2: When G threads or NPT threads are selected, the Blank Rc thread • IN, OUT, gauge port, and drainage discharge port Ν NPT thread (metal bowl automatic drain) are the target, as are attachments P and V. G G thread •

G Bracket (included)

Not included

C type bracket

Blank

BW

- Note 3: Select options for each drainage discharge, bowl material and element. When selecting options for several items, list options in order from the top.
- Note 4: The piping adapter set and C bracket cannot be used together.
- Note 5: A joiner set is includedd with the piping adapter set.

Page 152



Oil mist filter: copper and PTFE free specification M1000/M3000 M4000/M6000/M8000-W Series

Copper ion prevention treatment Port size: 1/8 to 1 JIS symbol Copper and PTFE free specification as standard.



| How to order | | | | | | | | |
|--|--------------------|----------|---|--------|-----------|------------|-----------|-----------|
| M1000 - 6 - W - S A6 | W | | * Refer top page 9 for an explanation | | AN | lode | l no. | |
| | | | of the options. | M 1 | M 3 | M 4 | M 6 | M 8 |
| (White type) | G Bra | icket | | 0 | 0 | 0 | 0 | 0 |
| A Model no. | (att | ached) | | ŏ | ŏ | Ŏ | ŏ | ŏ |
| | Syr | nbol | Descriptions | | | | | |
| | B Por | | | | | | | |
| B Port size | | 6 | 1/8 | | | | | |
| | | 8 | 1/4 | • | | lacksquare | | |
| | 1 | 0 | 3/8 | | \bullet | ● | | |
| | | 5 | 1/2 | | | • | | |
| | | 20 | 3/4 | | | | • | • |
| | | 25 | 1 | | | | • | • |
| Port thread type | | t threa | | | | | No | te 2 |
| | | ank | Rc thread | | | | • | • |
| | | N | NPT thread | • | • | • | • | • |
| | | G | G thread | • | | | | • |
| Option | D Opt | tion | | 1 | 1 | | No | te 3 |
| | Drainage | Blank | With manual drain cock | • | • | • | • | • |
| | Bowl | Blank | Polycarbonate bowl | | | | | |
| | material | Z | Nylon bowl | | | | \bullet | |
| | Differential | Blank | Without differential pressure detection port | | | | \bullet | |
| | pressure detection | Q | With differential pressure detection port (Rc1/4) | | | | • | • |
| | Flow | Blank | Standard flow (left to right) | • | | | • | • |
| | Direction | X1 | Reverse flow (right to left) | | | | | • |
| Displayed unit | 🖪 Dis | played | unit | | | | | |
| | Bla | ank | MPa display, Rc thread | • | | | • | • |
| | J | 1 | MPa display, NPT, G thread | | | | \bullet | \bullet |
| Piping adaptor set | 🕞 Pip | ing ada | ptor set (included) Note 4 page | s 15 | 5 to | 157 | No | te 5 |
| (included) | Bla | ank | Not attached | | | | \bullet | |
| () | A6 | 5*W | 1/8 piping adaptor set | | | | | |
| | A8 | 5*W | 1/4 piping adaptor set | • | | | | |
| | A1 | 0*W | 3/8 piping adaptor set | • | | | | |
| | | 5*W | 1/2 piping adaptor set | | | | _ | |
| A Cautions for model No. selection | | 0*W | 3/4 piping adaptor set | | | • | • | • |
| Note 1: Refer to page 95 to 102 for specifications, dimensions | | 5*W | 1 piping adaptor set | | | | • | • |
| and flow characteristics. | | 2*W | 1 1/4 piping adaptor set | | | | • | • |
| Note 2: When G threads or NPT threads are selected, the IN, OUT, and drainage discharge port are available. | | | ead type Rc thread | | | | | |
| Note 3: Select options for each drainage discharge, bowl | | ank N | NPT thread | | | | | |
| material and differential pressure detection. When selecting options for several items, list options | - | G | G thread | | | | | - |
| in order from the top. | | | | | | | - | 450 |
| Note 4: The piping adapter set and C bracket cannot be used together. | | • | ncluded) Not included | | | P | age | 152 |
| Note 5: A joiner set is included with the piping adapter set. | | ank W | C type bracket | | | | | |
| | В | ** | | | | | • | • |



Regulator: copper and PTFE free specification R1000 · R2000 · R3000 R4000 · R6000 · R8000 - W-P6 Series

Copper ion prevention treatment Port size: 1/8 to 1





| (R1000)-(6) - W - T P6 A6W * Refer top page 9 for an explanation | | | | | | A Model no. | | | | | |
|--|------------|----------------------|--|------------|------------------|-------------|-------------|-------------|--------|--|--|
| | \frown | of the options. | R 1 | | R | R | R | F | | | |
| (White type) Coper and PTFE free specification | | G Bracket (attached) | | | R 2 0 0 | 3 0 0 | 4 0 0 | 6 0 0 | | | |
| Model no. | Pipinç | | iping adaptor set (included) | | Ó | Ō | Ō | Ŏ | | | |
| | Svr | nbol | Descriptions | | | | | | | | |
| | | rt size | Descriptions | | | | | | h | | |
| B Port size | | 6 | 1/8 | | | | | | Т | | |
| | | 8 | 1/4 | • | | | | | t | | |
| | | 10 | 3/8 | - | | | | | t | | |
| | | 15 | 1/2 | | | | | | t | | |
| | | 20 | 3/4 | | | | • | • | t | | |
| | | -• 25 | 1 | | | | | • | ╉ | | |
| | | | | | | | | | | | |
| Port thread type Option | | rt threa ank | d type Rc thread | | | | | No | ۹ آ | | |
| | | | | | | | | - | + | | |
| | | N G | NPT thread G thread | • | | | | - | + | | |
| | | - | G thread | • | | | | _ | | | |
| | D Op | | | 1 | 1 | | 1 | No | bi | | |
| | | Т | Without pressure gauge, setting: 0.05 to 0.85 MPa, relief type | | • | | \bullet | • | 4 | | |
| | Regulator | LT | Without pressure gauge, setting: 0.05 to 0.35 MPa, relief type | | | | \bullet | • | | | |
| | , j | NT | Without pressure gauge, setting: 0.05 to 0.85 MPa, non-relief type | | | | \bullet | • | | | |
| | | LNT | Without pressure gauge, setting: 0.05 to 0.35 MPa, non-relief type | | • | | \bullet | • | | | |
| | Flow | Blank | Standard flow (left to right) | | | | \bullet | • | 1 | | |
| | Direction | X1 | Reverse flow (right to left) | | | | \bullet | | | | |
| | E Dis | played | unit | | | | | | | | |
| Displayed u | Bl | ank | MPa display, Rc thread | | | | | | T | | |
| | | J1 | MPa display, NPT, G thread | lacksquare | | | \bullet | | | | |
| | 🕞 Pip | ing ada | aptor set (included) Note 4 p | ades | s 15 | 5 to | 157 | No | 51 | | |
| | | ank | Not attached | Ŏ | | | | • | T | | |
| | A | 6*W | 1/8 piping adaptor set | • | | | | | t | | |
| | | B*W | 1/4 piping adaptor set | • | | | \bullet | | t | | |
| | | 0*W | 3/8 piping adaptor set | • | | | \bullet | | t | | |
| | | 5*W | 1/2 piping adaptor set | | | | \bullet | | t | | |
| | | 0*W | 3/4 piping adaptor set | | | | \bullet | • | T | | |
| | A2 | 5*W | 1 piping adaptor set | | | | | | Î | | |
| | A3 | 2*W | 1 1/4 piping adaptor set | | | | | | t | | |
| | * Adap | otor <u>thre</u> | ead type | | | | | | ĺ | | |
| | | ank | Rc thread | | | | | • | T | | |
| Cautions for model No. selection | | N | NPT thread | • | | | | • | t | | |
| Note 1: Refer to page 113 to 120 for specifications, dimensions and flow characteristics. Note 2: G and NPT threads are available for IN, OUT, and gauge ports. | | G | G thread | • | | • | \bullet | • | t | | |
| | | G Bracket (attached) | | | | | P | age | 1 | | |
| | | acket (a ank | Not attached | | | | | | ſ | | |
| Note 3: Select one option. Note 4: The piping adapter set and C bracket cannot be used | | W | C type bracket | | | | | - | + | | |
| together. | | 3W | L type bracket | | | | | - | + | | |
| Note 5: A joiner set is attached with the piping adapter set. | | | | | | | | - | + | | |

B4W

B type bracket

•



Reverse regulator: copper and PTFE free specification R1100/R2100/R3100 -W-P6 Series R4100/R6100/R8100

Copper ion prevention treatment Port size: 1/8 to 1





 \bullet

| R1100)-(6 |))- w -(| T) P6-()- | · (A6) | | * Refer top page 9 for an explanation | | A | Мо | del r | 10. | |
|---------------------------------------|--------------------------|------------------------------------|----------------|--------------|--|-------------|-------------|-------------|-------------|-------------|----|
| | (White type) | Copper and PTFE free specification | \frown | G Brack | of the options. et (included) | R 1 1 | R 2 1 | R 3 1 | R 4 1 | R 6 1 | |
| Model no. | | | P Dinin | - a adapt | ar act (included) | 0 | 0 | 0 | 00 | 0 0 | |
| | | | | | or set (included) | | | | | | |
| | | | | nbol | Descriptions | | | | | | |
| | Port size | <u> </u> | B Por | | | | | | | | - |
| - | | | | 6 | 1/8 | • | | | | | ╞ |
| | | | | 8 | 1/4 | • | | | | | ╀ |
| | | | | 0 | 3/8 | | • | • | | | + |
| | | | | 5 | 1/2 | | | | | - | + |
| | | | | 20 NG | 3/4 | | | | | - | ╀ |
| | | | | 5 | 1 | | | | | _ | |
| | C Port thread | type | | t threa | | - | - | | | No | 5 |
| | • | | | ank | Rc thread | • | • | • | • | • | + |
| | | | | N | NPT thread | • | • | • | • | • | + |
| | | | | 3 | G thread | | • | | | • | |
| | | Option | D Opt | tion | | 1 | , | | | Nc | bi |
| | | eoption | | Т | Without pressure gauge, setting: 0.05 to 0.85 MPa, relief type | • | | • | \bullet | • | |
| | | | Regulator | TL | Without pressure gauge, setting: 0.05 to 0.35 MPa, relief type | • | | • | \bullet | • | |
| | | | | NI | Without pressure gauge, setting: 0.05 to 0.85 MPa, non-relief type | • | • | | \bullet | • | |
| | | | | LNT | Without pressure gauge, setting: 0.05 to 0.35 MPa, non-relief type | | | | \bullet | • | |
| | | | Flow | Blank | Standard flow (left to right) | • | • | • | | • | ╞ |
| | | | Direction | X1 | Reverse flow (right to left) | | • | • | | - | |
| | | Displayed un | 🕂 🕒 Dis | played | unit | T | 1 | | | | |
| | | B Displayed un | Bla | ank | MPa display, Rc thread | | \bullet | | \bullet | ۲ | |
| | | | J | 1 | MPa display, NPT, G thread | | | | | | |
| | | | 🕞 Pip | ing ada | ptor set (included) Note 4 p | ages | s 15 | 5 to | 157 | Nc | bi |
| | | | Bla | ank | Not attached | | | | | ٠ | Ι |
| | | | A6 | *W | 1/8 piping adaptor set | | | | | | |
| | | | A8 | *W | 1/4 piping adaptor set | | | | \bullet | | |
| | | | A1 | 0*W | 3/8 piping adaptor set | | | | \bullet | | |
| | | | A1 | 5*W | 1/2 piping adaptor set | | \bullet | | \bullet | | |
| | | | A2 | D*W | 3/4 piping adaptor set | | | | \bullet | • | |
| | | | | 5*W | 1 piping adaptor set | | | | | | |
| | | | | 2*W | 1 1/4 piping adaptor set | | | | | | |
| | | | | | ad type | - | | | | | ļ |
| | | | | ank | Rc thread | | | | | • | ļ |
| Coutions | for model Ne | adaatian | | N | NPT thread | • | | | | • | ļ |
| Cautions | for model No | . selection | | G | G thread | | | | | • | |
| te 1: Refer to page and flow chara | 121 to 128 for specifica | ations, dimensions | G Bra | cket (ir | ncluded) | | | | P | age | |
| | hreads are available | for IN, OUT, and | Bla | ank | Not attached | \bullet | \bullet | | \bullet | • | |
| gauge ports. | t and antia- | | В | W | C type bracket | | \bullet | | | • | ļ |
| te 3: Note 3: Selec | | | B | | L type bracket | | | | | - | |

B4W

B type bracket

CKD

- Note 4: The piping adapter set and C bracket cannot be used together.
- Note 5: Position of the check valve and pressure gauge can not be changed. If the reverse direction of IN and OUT are required, indicate "X1" in the end of optional section.
- Note 6: A joiner set is included with the piping adapter set.





Lubricator: copper and PTFE free specification L1000 · L3000 L4000 · L8000 - V **V** Series

Copper ion prevention treatment Port size: 1/8 to 1

JIS symbol

Copper and PTFE free specification as standard.



| How to ord | der | | | | | | | | |
|------------------------------|---------------------------------------|----------------------------|--------------|-----------|---------------------------------------|-----------|--------|--------|------------|
| L1000)-(| 6) - W -(| C)-()-(A6) | \bigcirc | | * Refer top page 9 for an explanation | A | Mod | el no | b . |
| | $\gamma \gamma$ \downarrow γ | | \frown | | of the options. | L 1 | L 3 | L 4 | L 8 |
| | (White type) | G | Bracket | | | 0 | 0 | 0 | |
| A Model no. | | | (attached | d) | | ŏ | ŏ | ŏ | 0 |
| | | | Svr | nbol | Descriptions | | | | |
| | | | | rt size | Descriptions | | | | |
| | B Port size | | | 6 | 1/8 | | | | |
| | | | | 8 | 1/4 | • | • | • | ┢ |
| | | | | 10 | 3/8 | | • | • | + |
| | | | 1 | 15 | 1/2 | - | - | • | ┢ |
| | | | 2 | 20 | 3/4 | - | | _ | ſ |
| | | | 2 | 25 | 1 | | | | F |
| | | | C Po | rt threa | d type | | | No | oto |
| | C Port thread | iype | | ank | Rc thread | • | • | • | Γ |
| | | | | N | NPT thread | • | | | |
| | | | | G | G thread | • | | | |
| | | | D Op | tion | • • | | | No | ot |
| | | Option | Drainage | | No manual cock | • | • | • | |
| | | | Bowl | Blank | Polycarbonate bowl | • | • | • | T |
| | | | material | z | Nylon bowl | • | • | • | - |
| | | | Note 4 | м | Metal bowl | | | | F |
| | | | Flow | Blank | Standard flow (left to right) | • | | | |
| | | | Direction | X1 | Reverse flow (right to left) | • | | • | |
| | | | 🕒 Dis | played | unit | | | | |
| | | Displayed unit | | ank | MPa display, Rc thread | | | | Γ |
| | | | | J1 | MPa display, NPT, G thread | • | • | • | F |
| | | | 🕞 Pin | ing ada | | es 155 to | 0 157 | / No | ot |
| | | Piping adaptor se | t | ank | Not attached | | | | Γ |
| | | (included) | A | 5*W | 1/8 piping adaptor set | • | | _ | F |
| | | | A | B*W | 1/4 piping adaptor set | • | • | • | F |
| | | | A1 | 0*W | 3/8 piping adaptor set | • | | | F |
| Caution | ns for model No | o, selection | A1 | 5*W | 1/2 piping adaptor set | | | | Γ |
| _ | page 129 to 136 for spe | | A2 | 0*W | 3/4 piping adaptor set | | | | Г |
| | characteristics. | concations, ulmensions | A2 | 5*W | 1 piping adaptor set | | | | ĺ |
| | PT threads are available for | , | A3 | 2*W | 1 1/4 piping adaptor set | | | | |
| te 3: Select op others. | otions for drainage disch | arge, dowr material and | * Adap | otor thre | ad type | | | | |
| When se | lecting options for seve | ral items, list options in | Bla | ank | Rc thread | | | | |
| order fron te 4: The side | n the top. dome is polycarbonate | even for nylon or metal | | N | NPT thread | | | | |
| bowls. Co | onsult with CKD if a different | ent material is required. | | G | G thread | | | | L |
| te 5: The pipir together. | ng adapter set and C b | racket cannot be used | G Bra | acket (a | ttached) | | P | Page | 1 |
| - | et is attached with the pip | ing adapter set. | Bla | ank | Not attached | • | • | | |
| | | | | | O tomo tomo tont | | | | |

BW

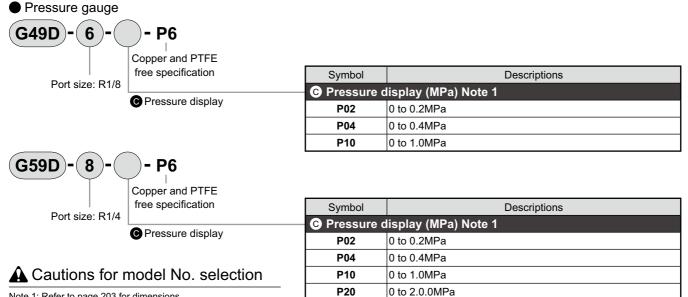
C type bracket

• •



Other components: copper and PTFE free specification Pressure gauge Shut-off valve Exhaust cleaner G49D-P6 V3000-W FA*31 Series G59D-P6 V3010-W V6010-W

How to order



Note 1: Refer to page 203 for dimensions.

Other components

- Shut-off valve
- ·V3000-W (Page 143)
- ·V3010-W/V6010-W (Page 146)
- Exhaust cleaner
- •FA*31 (Pneumatics, Vacuum,
- Auxiliary Components No.CB-024S)
- * The above products are copper and PTFE free as standard.

F.R.L. Modular type

Ozone proof

Components for air preparation/F.R.L. unit



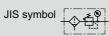
| CONTENTS | |
|--|---------|
| Product introduction | Intro 1 |
| Series variation | 1 to 6 |
| Safety precautions | 11 |
| Filter•regulator | |
| ● Filter∙regulator (W*000-W-P11) | 185 |
| Reverse filter regulator (W*100-W-P11) | 186 |
| Regulator | |
| Regulator (R*000-W-P11) | 187 |
| Reverse regulator (R*100-W-P11) | 188 |
| | |



Filter regulator: ozone proof W1000/W3000 W4000/W8000-W-P11 Series

Fluorine rubber and hydrogenated nitrile rubber, etc., used for rubber part materials. • Port size: Rc1/8 to Rc1

Digital pressure sensor: PPX-R10N-6M • • •





| How to order W1000 - 6 - W - (White type | Z P11 - - A6W | | - | ttachment | W 1 0 0 | W 3 0 0 | W 4 0 0 | , |
|---|---|---|---|--|---|------------------|-----------------------|----|
| | | | nbol | Descriptions | | | | |
| | | B Por | | | | | | Ļ |
| BPort size | | | 6 | 1/8 | • | | | _ |
| | | | В | 1/4 | • | • | • | _ |
| | Ozone | | 0 | 3/8 | | • | • | _ |
| | | | 5 | 1/2 | | | • | - |
| | specifications | | 20 | 3/4 | | | | |
| Port thread type | | 2 | 5 | 1 | | | | |
| | Option | C Por | t thread | type | | | Not | е |
| | Note 2 | | ank | Rc thread | • | | | Τ |
| | Note 3 | 1 | N | NPT thread | • | • | • | Ť |
| | Note 4 | (| 3 | G thread | ٠ | • | • | T |
| | Note 5 | D Opt | ion | | | | | Ê |
| | Note 6 | e op | Blank | With manual drain cock | • | | • | T |
| * 📭 🕹 | | | F | Automatic drain with manual override NO type | | - | | + |
| | fer top page 9 for an explanation | Drainage | F1 | | | | • | + |
| of ti | he options. | Drainage | FT | Automatic drain with manual override NC type | | | - | + |
| | | 1 | FF1 | Large automatic drain with manual override NO type | | | | + |
| | Displayed unit | | Blank | Large automatic drain with manual override NC type | • | | • | 4 |
| | | Bowl | Blank Z | Polycarbonate bowl Nylon bowl | • | - | • | + |
| | Piping adaptor set | t material | | - | - | | - | + |
| | (included) | material | M | Metal bowl | | | • | ╀ |
| | Note 8 | | M1 | Metal bowl with manual drain cock | | | • | ╀ |
| | Note 9 | Element | Blank | 5µm | • | | • | ╀ |
| | 1010 0 | | Y | 0.3µm (submicron) | _ | - | • | ∔ |
| | | Pressure | Blank | 0.05 to 0.85MPa | • | • | • | + |
| Cautions for model | No selection | Range | L | 0.05 to 0.35MPa | • | • | • | + |
| | | Relief | Blank | With relief mechanism | • | • | • | + |
| te 1: Refer to page 69 to 70 for spec | cifications for specifications and | | N | Non-relief type | • | • | • | + |
| attachments. | · | | Blank | With standard pressure gauge (G401) | • | • | • | ∔ |
| te 2: Select options per drainage, | bowl material, element, and | Pressure | Т | Without pressure gauge (gauge port assembled sealed) | • | • | • | ∔ |
| regulator sections. | | gauge | T8 | Compatibility with pressure gauge option (gauge port assembled open) | • | • | • | ∔ |
| When selecting options for sev | veral items, list options in order | | | Compatibility with digital pressure sensor PPX | • | • | • | + |
| from the top. | | X | (1 | IN/OUT reverse flow (right to left) | • | • | • | 1 |
| te 3: The low-pressure gauge (0 to | | 🕒 Dis | played ι | unit | | | | |
| selected for the pressure range | | Bla | ank | MPa display, Rc thread | • | \bullet | • | |
| te 4: Minimum operating pressure o | r automatic drain is 0.1MPa for | J | 1 | MPa display, NPT, G thread | • | | | |
| option symbol "F". | d air are purged until pressure | 🕞 Pip | ing ada | otor set (included) | Not | e 11, | Not | e |
| reaches 0.1 MPa. | a an are purged until pressure | Bla | ank . | No attachments | • | | • | T |
| te 5: Minimum operating pressure of | automatic drain is 0.15MPa for | A6 | *W | 1/8 piping adaptor set | • | | | t |
| option symbol "F1". | | | *W | 1/4 piping adaptor set | • | • | • | t |
| te 6: When "T" is selected, the gaug | je plug is assembled instead of | | 0*W | 3/8 piping adaptor set | • | • | • | t |
| the pressure gauge. | - | | 5*W | 1/2 piping adaptor set | | • | • | t |
| te 7: When option "T6" is selected, | only "blank" or "R2" is selected | | 0*W | 3/4 piping adaptor set | | É | • | t |
| for the (H) pressure gauge (e | enclosed). The digital pressure | - | 5*W | 1 piping adaptor set | | | - | t |
| sensor PPX mounting port (Rc ² | is assembled ventilated. | | 2*W | 1 1/4 piping adaptor set | | | | t |
| te 8: Piping adaptor set A*00-**-W is | | | otor thre | | | | | ľ, |
| te 9: The piping adapter set and C b | - | - | ank | Rc thread | | | | ſ |
| te 10: G threads and NPT threads a | re available for IN, OUT, gauge | | N | NPT thread | • | | • | + |
| | | ' | <u> </u> | G thread | • | • | • | + |
| | ort (metal bowl with automatic | | | | | | - | 1 |
| drain). | | | - | | | | | |
| drain). te 11: The adapter port size can be | e selected from Rc, NPT or G. | G Atta | achment | | - | | Note | е |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa | e selected from Rc, NPT or G. | G Atta Bla | achmen ank | No attachments | • | • | • | e |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G | e selected from Rc, NPT or G. ad/G: G thread | G Atta Bla B | achment ank W | No attachments C type bracket | • | • | • | e |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G te 12: If NPT is selected for the "0 | e selected from Rc, NPT or G. ad/G: G thread C" piping thread type, a NPT | G Atta Bla B | achment ank W 3W | No attachments C type bracket L type bracket | - | • | • | |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G te 12: If NPT is selected for the " pressure gauge is enclosed. I | e selected from Rc, NPT or G. ad/G: G thread C" piping thread type, a NPT f Rc or G thread is selected, an | G Atta Bla B B G4 | achment ank W 3W 15P | No attachments C type bracket L type bracket Pressure gauge: G45D-8-P10 | • | - | • | |
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| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G te 12: If NPT is selected for the " pressure gauge is enclosed. I R thread pressure gauge is er | e selected from Rc, NPT or G. ad/G: G thread C" piping thread type, a NPT f Rc or G thread is selected, an nclosed. | © Atta Bla B B C G 4 G 4 G 5 | achmen ank W 3W 45P 49P | No attachments C type bracket L type bracket Pressure gauge: G45D-8-P10 Pressure gauge: G49D-8-P10 | • | • | • • • • | |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G te 12: If NPT is selected for the "u pressure gauge is enclosed. I R thread pressure gauge is er te 13: A joiner set is included with the | e selected from Rc, NPT or G. ad/G: G thread C" piping thread type, a NPT f Rc or G thread is selected, an nclosed. | © Atta Bla B B B C G 4 G 4 G 4 G 4 G 4 | achmen ank W 3W 5P 9P 59P | No attachments C type bracket L type bracket Pressure gauge: G45D-8-P10 Pressure gauge: G49D-8-P10 Pressure gauge: G59D-8-P10 | • | • | • • • • | |
| drain). te 11: The adapter port size can be Blank: Rc thread/N: NPT threa (e.g.) A8G te 12: If NPT is selected for the " pressure gauge is enclosed. I | e selected from Rc, NPT or G. ad/G: G thread C" piping thread type, a NPT f Rc or G thread is selected, an nclosed. | © Atta Bla B B B C C 4 G 4 G 5 G 4 G 5 | achmen ank W 3W 5P 9P 9P | No attachments C type bracket L type bracket Pressure gauge: G45D-8-P10 Pressure gauge: G49D-8-P10 Pressure gauge: G59D-8-P10 Pressure gauge: G40D-8-P10 | • | • | • • • • • | |

R2 Note 7

Same as standard parts. Refer to page 73 to 75.

CKD

185



Reverse filter, regulator: ozone proof W1100/W3100 W4100/W8100-W-P11 Series

Fluorine rubber and hydrogenated nitrile rubber, etc., used for rubber part materials. • Port size: Rc1/8 to Rc1





How to order 8 1 W 3 1 0 0 W4100 - W - (Z) P11 - ((W1100) - (6) - (A6W) Ô Ö (White type) **G**Attachment Symbol Descriptions B Port size BPort size 1/8 6 • Model no. • 1/4• • 8 3/8 • • 10 Ozone • 15 1/2 specifications 20 3/4 • 25 1 OPort thread type Option C Port threa Note 2 d type 11 Blank Rc thread • • • Note 3 Ν NPT thread • • • • Note 4 G G thread • • • • Note 5 D Optior Note 6 Blank With manual drain cock Note 7 • • • • • • Automatic drain with manual override NO type • F * Refer top page 9 for an explanation Drainage F1 Automatic drain with manual override NC type • • • of the options. FF • Large automatic drain with manual override NO type FF1 Large automatic drain with manual override NC type • Displayed unit • • • Blank Polycarbonate bowl • • • • • Bowl z Nylon bowl Piping adaptor set • • materia Metal bowl • М (included) Metal bowl with manual drain cock • M1 • • Note 9 Blank 5µm • • • • Elemen Note 10 0.3µm (submicron) • • • Y 0.05 to 0.85MPa • • Blank • • Pressure Cautions for model No. selection Range н 0.05 to 0.35MPa • • • • With relief mechanism • • • Blank • Note 1: Refer to page 77 to 78 for specifications for specifications and Relief Ν Non-relief type • • • • attachments. With standard pressure gauge (G401) • • • • Blank Note 2: Select options per drainage, bowl material, element, and Pressur т Without pressure gauge (gauge port assembled sealed) • • • • regulator sections т8 Compatibility with pressure gauge option (gauge port assembled open • • gauge • • When selecting options for several items, list options in order Т6 Compatibility with digital pressure sensor PPX • • • • from the top. Note 3: The low-pressure gauge (0 to 0.4 MPa) is used when "L" is **X**1 IN/OUT reverse flow (right to left) • • • • selected for the pressure range option. **Displayed unit** Note 4: Position of the check valve and pressure gauge can not be changed. Blank MPa display, Rc thread • • • • If the reverse direction of IN and OUT are required, • • .11 MPa display, NPT, G thread • • indicate "X1" in the end of optional section. F Piping adaptor set (included) Note 12, Note 14 Note 5: Minimum operating pressure of automatic drain is 0.1MPa for No attachments • Blank • • • option symbol "F". Initially generated drainage and air are purged until pressure reaches 0.1 MPa. A6*W 1/8 piping adaptor set • Note 6: Minimum operating pressure of automatic drain is 0.15MPa for • A8*W • 1/4 piping adaptor set • option symbol "F1". A10*W 3/8 piping adaptor set • • • Note 7: When "T" is selected, the gauge plug is assembled instead of A15*W • 1/2 piping adaptor set • the pressure gauge. A20*W 3/4 piping adaptor set • • Note 8: When option "T6" is selected, only "blank" or "R2" is selected A25*W 1 piping adaptor set • for the (H) pressure gauge (enclosed). The digital pressure A32*W 1 1/4 piping adaptor set • sensor PPX mounting port (Rc1/8) is assembled ventilated. Adaptor thread type Note 9: A piping adaptor set A*00-**-W is included. Blank Rc thread • • • • Note 10: The piping adapter set and C bracket cannot be used together. NPT thread • • • Ν • Note 11: G threads and NPT threads are available for IN, OUT, gauge G G thread • • • . port and drain discharge port (metal bowl with automatic drain). G Attachment Note 13 Note 12: The adapter port size can be selected from Rc, NPT or G. Blank No attachments • • • Blank: Rc thread/N: NPT thread/G: G thread вw C type bracket • • • • (e.g.) A8G B3W • • L type bracket • Note 13: If NPT is selected for the "C" piping thread type, a NPT G45P Pressure gauge: G45D-8-P10 • • • • pressure gauge is enclosed. If Rc or G thread is selected, an G49P Pressure gauge: G49D-8-P10 • • • • R thread pressure gauge is enclosed. G59P Pressure gauge: G59D-8-P10 • • • • Note 14: A joiner set is included with the piping adapter set. G40P • Pressure gauge: G40D-8-P10 • • • G50P Pressure gauge: G50D-8-P10 • • • • Dimensions

G41P

R2 Note

Pressure gauge: G41D-8-P10

Digital pressure sensor: PPX-R10N-6M

Same as standard parts. Refer to page 81 to 83.

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Regulator: ozone proof R1000 / R2000 / R3000 R4000 / R6000 / R8000-W-P11 Series

Fluorine rubber and hydrogenated nitrile rubber, etc., used for rubber part materials. Port size: Rc1/8 to Rc1

Pressure gauge: G50D-8-P10

Pressure gauge: G41D-8-P10

Digital pressure sensor: PPX-R10N-6M

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JIS symbol



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|---|--|--|---|---|--|---|-------------|------------------|-----------------------|---|
| R1000) - (6 |) — w - (| L) P11 - 🔵 - (A6) | - | | | R 1 | R 2 | R 3 | R 4 | R 6 |
| | (White type) | | | | chment | 0 | 0 | 0 | 0 | 0 0 |
| | | Ozone | | CAlla | | Ō | Ō | Ō | Õ | Ŏ |
| | | specifications | Syn | nbol | Descriptions | | | | | |
| | | | B Por | t size | | 1 | | | | |
| Model no. | Port size | | 6 | 3 | 1/8 | • | | | | |
| | | | 8 | 3 | 1/4 | • | • | • | • | |
| | | | 1 | 0 | 3/8 | | • | • | • | |
| | | | 1 | 5 | 1/2 | | | | • | |
| GPO | ort thread type | Option | 2 | 0 | 3/4 | | | | | • |
| | | | 2 | 5 | 1 | | | | | • |
| | | | C Por | t thread | type | | | | l | Not |
| | | | Bla | ank | Rc thread | | \bullet | | \bullet | ٠ |
| | | | 1 | J | NPT thread | • | \bullet | • | \bullet | ٠ |
| | | | 0 | G | G thread | • | \bullet | • | • | ٠ |
| | | | D Opt | ion | | | | | | Not |
| | | | Pressure | Blank | 0.05 to 0.85MPa | | | | | • |
| | | | Range | L | 0.05 to 0.35MPa Note 4 | | • | • | • | • |
| | | Displayed unit | | Blank | With relief mechanism | | • | • | • | • |
| | | | Relief | N | Non-relief type | | • | • | • | • |
| | | | | Blank | With standard pressure gauge (G401) | • | • | • | • | • |
| | | Piping adaptor set | Pressure | Т | Without pressure gauge (gauge port assembled sealed) Note 5 | • | • | • | • | • |
| | | (included) | gauge | Т8 | Compatibility with pressure gauge option (gauge port assembled open) | | • | | • | • |
| | | | guugo | | Company mar procedie gaage opson (gaage por accombine opon) | - | - | - | - | - |
| | | | | т6 | Compatibility with digital pressure sensor PPX. Note 6 | | | | | • |
| | | | x | Т6 1 | Compatibility with digital pressure sensor PPX Note 6 IN/OUT reverse flow (right to left) | • | • | • | • | • |
| | | | | 1 | IN/OUT reverse flow (right to left) | • | • | • | • | • |
| | | | Display | 1 played u | IN/OUT reverse flow (right to left) | • | • | • | • | • |
| Cautions | s for model N | lo selection | E Dis Bla | 1 played u ank | IN/OUT reverse flow (right to left) init MPa display, Rc thread | • | • | • | • | • |
| Cautions | s for model N | lo. selection | E Dis Bla J | 1 played u ank 1 | IN/OUT reverse flow (right to left) IN MPa display, Rc thread MPa display, NPT, G thread | • • • • | • • • | • • • | • • • | • |
| te 1: Refer to pag | ge 113 to 114 for spe | Io. selection | E Dis Bla J F Pipi | 1 played u ink 1 ing adap | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) | • • • | • | • • • | • • • • | • • • • |
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| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. | ge 113 to 114 for spenents. ⁻ threads are availab ting options for severa o. | cifications for specifications le for IN, OUT, and gauge al items, list options in order | E Dis Bla J F Pipi Bla A6 A8 A10 | 1 played u ank 1 ing adap ank *W *W | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread itor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set | • /ul> | | | • | • • • • • • • • • • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres | ge 113 to 114 for spenents. Threads are availab ting options for severa S. Sesure gauge (0 to 0.4 | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is | E Dis Bla J F Pipi Bla A6 A8 A10 A15 | 1 played u nk 1 ing adap nk *W *W)*W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread INPa display, NPT, G threa | | | | • | • • • • • • • • • • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t | ge 113 to 114 for spenents. Threads are availabing options for severable. Subscriptions for severable. Subscriptions for severable. The pressure gauge (0 to 0.4 the pressure range options for severable. | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is | Display Display Bla J Pipi Bla A6 A8 A10 A15 A20 | 1 played u ank 1 ing adap ank *W *W 5*W | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set | • /ul> | | | • | • • • • • • • • • • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for 1 te 5: When "T" is of the pressu | ge 113 to 114 for spenents. threads are availab ting options for severa sessure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead | Display Display Pipi Blay A6 A8 A10 A15 A20 A25 | 1 played u nk 1 ing adap ank *W *W 5*W 5*W | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set | | | | • | • • • • • • • • • • • • • • • • • • • |
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| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for f te 5: When "T" is of the press. Working tem te 6: When option for the (H) p sensor PPX te 7: A piping ada te 8: A joiner set is te 9: If NPT is set | ge 113 to 114 for spenents. Threads are availabing options for severation options are gauge (0 to 0.4 the pressure range options selected, the gauge ure gauge. Inperature is 5 to 50°C. In "T6" is selected, only pressure gauge (enclosed options for the constraint option option options options of the the pressure option options of the the pressure option options opti | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected osed). The digital pressure b) is assembled ventilated. included. | Disy Bla J Pipi Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla M C C Atta | 1 played u ank 1 ing adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 1 /2 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /2 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 3/4 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 3/4 piping set 3/4 piping set 3/4 piping set 3/4 piping set 3/4 piping | | | | | • • • • • • • • • • |
| te 1: Refer to pag and attachm ports. te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for 1 te 5: When "T" is of the pressu Working tem to 6: When option for the (H) p sensor PPX te 7: A piping adaj te 8: A joiner set is te 9: If NPT is se pressure gau R thread pre | ge 113 to 114 for spenents. threads are availab ting options for severa sesure gauge (0 to 0.4 the pressure range o s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl aptor set A*00-**-W is is included with the pi elected for the "C" p uge is enclosed. If Ro essure gauge is enclo | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure B) is assembled ventilated. included. ping adapter set. oping thread type, a NPT c or G thread is selected, an used. | Disy Bla J Disy Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla M C C | 1 played u ank 1 ing adap ank *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W | IN/OUT reverse flow (right to left) mit MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 n/4 piping set 1 n/4 piping adaptor set 1 n/4 piping set 1 n/4 piping set 1 n | | | | | • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t te 5: When "T" is of the pressu Working tem to 6: When option for the (H) p sensor PPX te 7: A piping adaj te 8: A joiner set is te 9: If NPT is se pressure gaa R thread pre | ge 113 to 114 for spenents. threads are availab ting options for severa sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl mounting port (Rc1/8 aptor set A*00-**-Wis is included with the pi elected for the "C" p luge is enclosed. If Rc essure gauge is enclo er port size can be sel | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure B) is assembled ventilated. included. ping adapter set. piping thread type, a NPT c or G thread is selected, an sed. lected from Rc, NPT or G. | Disy Bla J Disy Bla A6 A8 A10 A15 A20 A25 A25 A25 A25 A25 A25 A25 A25 A25 A25 | 1 played u ink 1 ing adap ink *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) rnit MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set C type bracket Note 11 | | | | | • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t te 5: When "T" is of the pressu Working tem to 6: When option for the (H) p sensor PPX te 7: A piping adaj te 8: A joiner set is te 9: If NPT is se pressure gaa R thread pre | ge 113 to 114 for spennents. threads are availab ting options for severa sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl i mounting port (Rc1/8 aptor set A*00-**-Wis is included with the pi elected for the "C" p uge is enclosed. If Rc essure gauge is enclo er port size can be sel thread/N: NPT thread/ | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure B) is assembled ventilated. included. ping adapter set. piping thread type, a NPT c or G thread is selected, an sed. lected from Rc, NPT or G. | Disy Bla J Disy Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla M C C | 1 played u ink 1 ing adap ink *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) mit MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 n/4 piping set 1 n/4 piping adaptor set 1 n/4 piping set 1 n/4 piping set 1 n | | | | | • • • • • • • • • |
| te 1: Refer to pag and attachm ports. 3: When select from the top. te 3: When select from the top. te 4: The low-press selected for t selected for t te 5: When "T" is of the pressu Working tem to 6: When option for the (H) p sensor PPX te 7: A piping adapte te 8: A joiner set is te 9: If NPT is se pressure gau R thread pre te 10: The adapte Blank: Rc tt (e.g.) A8G | ge 113 to 114 for spenents. Threads are availabiliting options for several ting options for several sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl aptor set A*00-**-W is is included with the pi elected for the "C" p urge is enclosed. If Rc essure gauge is enclo er port size can be sel thread/N: NPT thread | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure B) is assembled ventilated. included. ping adapter set. piping thread type, a NPT c or G thread is selected, an sed. lected from Rc, NPT or G. | Disy Bla J Disy Bla A6 A8 A10 A15 A20 A25 A25 A25 A25 A25 A25 A25 A25 A25 A25 | 1 played u ink 1 ing adap ink *W *W >*W >*W 5*W 5*W 5*W 5*W 5*W 2*W 5*W 5*W 5*W 5*W 5*W 5*W 5 5 5 5 5 5 5 | IN/OUT reverse flow (right to left) rnit MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set C type bracket Note 11 | | | | | • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t te 5: When "T" is of the pressu Working tem te 6: When option for the (H) p sensor PPX te 7: A piping ada te 8: A joiner set is te 9: If NPT is se pressure gat R thread pre te 10: The adapte Blank: Rc tt (e.g.) A8G | ge 113 to 114 for spenents. Threads are availabiliting options for several ting options for several sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl aptor set A*00-**-W is is included with the pi elected for the "C" p urge is enclosed. If Rc essure gauge is enclo er port size can be sel thread/N: NPT thread | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure b) is assembled ventilated. included. ping adapter set. oping thread type, a NPT c or G thread is selected, an ised. lected from Rc, NPT or G. /G: G thread | Disy Bla J Disy Bla A6 A8 A10 A15 A20 A25 A20 A25 A22 A25 A20 A25 A22 A25 A22 A25 A22 A25 A22 A25 A22 A25 A25 | 1 played u ink 1 ing adap ink *W *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5* | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 1 /2 piping adaptor set 1 /2 piping adaptor set 1 /4 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 1 /4 piping adaptor set 3/4 piping adaptor set 1 /4 piping s | | | | | • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t te 5: When "T" is of the press. Working tem te 6: When option for the (H) p sensor PPX te 7: A piping adal te 8: A joiner set is te 9: If NPT is se pressure gat R thread pre te 10: The adapte Blank: Rc tt (e.g.) A8G te 11: The piping | ge 113 to 114 for spenents. Threads are availabiliting options for several ting options for several sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl aptor set A*00-**-W is is included with the pi elected for the "C" p urge is enclosed. If Rc essure gauge is enclo er port size can be sel thread/N: NPT thread | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure b) is assembled ventilated. included. ping adapter set. oping thread type, a NPT c or G thread is selected, an ised. lected from Rc, NPT or G. /G: G thread | Disy Bla J Bla A66 A88 A10 A15 A20 A25 A32 * Adap Bla M C C C Atta Bla Bla Bla Bla Bla Bla Bla Bla Bla Bl | 1 played u ink 1 ing adap ink *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 /4 piping adaptor set 1 /2 piping adaptor set 1 /2 piping adaptor set 1 /2 piping adaptor set 3/4 piping adaptor set 1 /4 piping adaptor set 1 high piping piping adaptor set 1 high piping | | | | | • • • • • • • • • • • |
| te 1: Refer to pag and attachm te 2: G and NPT ports. te 3: When select from the top. te 4: The low-pres selected for t te 5: When "T" is of the press. Working tem te 6: When option for the (H) p sensor PPX te 7: A piping adal te 8: A joiner set is te 9: If NPT is se pressure gat R thread pre te 10: The adapte Blank: Rc tt (e.g.) A8G te 11: The piping | ge 113 to 114 for spenents. Threads are availabiliting options for several ting options for several sesure gauge (0 to 0.4 the pressure range of s selected, the gauge ure gauge. nperature is 5 to 50°C. n "T6" is selected, only pressure gauge (encl aptor set A*00-**-W is is included with the pi elected for the "C" p urge is enclosed. If Rc essure gauge is enclo er port size can be sel thread/N: NPT thread | cifications for specifications le for IN, OUT, and gauge al items, list options in order 4 MPa) is used when "L" is ption. plug is assembled instead y "blank" or "R2" is selected losed). The digital pressure b) is assembled ventilated. included. ping adapter set. oping thread type, a NPT c or G thread is selected, an ised. lected from Rc, NPT or G. /G: G thread | Dis Bla J Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla M C C C A15 A20 A25 A32 * Adap Bla Bla Bla Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla Bla Bla A6 A8 A10 A15 A20 A25 A32 * Adap Bla Bla Bla A6 A10 A15 A20 A25 A32 * Adap Bla Bla A6 A10 A15 A20 A25 A32 * Adap Bla Bla A6 A10 A15 A20 A25 A32 * Adap Bla Bla A6 A10 A15 A20 A25 A32 * Adap Bla Bla A6 A10 A15 A20 A25 A32 * Adap Bla Bla Bla Bla Bla Bla Bla Bla | 1 played u nk 1 ing adap ing a | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread intervention of the set of | | | | | |

G50P

G41P

R2 Note 5

Dimensions

CKD

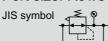
Same as standard parts. Refer to page 117 to 119.

187



Reverse regulator: ozone proof R1100/R2100/R3100 R4100/R6100/R8100-P11 Series

Fluorine rubber and hydrogenated nitrile rubber, etc., used for rubber part materials. Port size: Rc1/8 to Rc1





| How to order R1100 - 6 - W - ((White type) | L P11 A6 | - | – G Atta | chment | R 1 1 0 | A R2100 | Moo R 3 1 0 | del n R 4 1 0 0 | o. R 6 1 0 0 |
|--|---|---|---|--|---|------------------|-------------------------|--|---|
| | Ozone | Syn | nbol | Descriptions | ľ | U | U | | |
| | specifications | B Por | | Decomptione | | | | | |
| Model no. BPort size | | | | 1/8 | | | | | |
| | | 8 | | 1/4 | • | • | • | \bullet | |
| | | 1 | 0 | 3/8 | | • | • | • | |
| | | 1 | 5 | 1/2 | | | | \bullet | |
| Port thread type | Option | 2 | 0 | 3/4 | | | | | • |
| | Copulon | 2 | 5 | 1 | | | | | • |
| | | Por | t thread | type | | | | | Note |
| | | | ank | Rc thread | | | | | |
| | | N | | NPT thread | | | | | |
| | | | | G thread | | • | • | | |
| | | | | | | | | | |
| | | D Opt | ion Blank | 0.05 to 0.85MPa | | | | NO | te 3, |
| | | Pressure | Blank L | 0.05 to 0.85MPa Note 5 | | | | | |
| | Displayed unit | Range | ∟ Blank | With relief mechanism | | | | | |
| | | Relief | N | Non-relief type | | | | | |
| | | | Blank | With standard pressure gauge (G401) | | | | | |
| | Piping adaptor set | Pressure | Т | Without pressure gauge (gauge port assembled sealed) Note 6 | - | | | | |
| | (included) | | т8 | Compatibility with pressure gauge option (gauge port assembled open | - | | | | |
| | Note 6 | gauge | 10 | Companying with hissorie gauge option (gauge hold assembled oben | | • | - | | |
| | | | те | Compatibility with digital prossure sonsor PDX. Note 7 | | | | ' A I | |
| | Note 7 | × | T6 | Compatibility with digital pressure sensor PPX Note 7 | 7 | • | • | | |
| | | x | 1 | IN/OUT reverse flow (right to left) | 7 • • | • | • | • | • |
| | | 🕒 Dis | 1 played u | IN/OUT reverse flow (right to left) | 7 • • | • | • | • | |
| Cautions for model No | Note 7 | E Dis Bla | 1 played ເ ink | IN/OUT reverse flow (right to left) init MPa display, Rc thread | | • | • | • | |
| | Note 7 | E Dis Bla J | 1 played ι ink 1 | IN/OUT reverse flow (right to left) init MPa display, Rc thread MPa display, NPT, G thread | 7 • • • | • • • | • • • | | |
| Note 1: Refer to page 121 to 122 for spe | Note 7 | E Dis Bla J F Pipi | 1 played u ink 1 ing adap | IN/OUT reverse flow (right to left) unit MPa display, Rc thread MPa display, NPT, G thread otor set (included) | · · · · · · · · · · · · · · · · · · · | • | • | • • • • • | • • • • • • • • • • • • • • • • • • • |
| lote 1: Refer to page 121 to 122 for spe and attachments. | Note 7 • selection ecifications for specifications | Dis Bla J Fipi Bla | 1 played u nnk 1 ing adap nnk | IN/OUT reverse flow (right to left) unit MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments | · · · | • • • | • • • | • • • • • | • (• (• (• (• (• (|
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. | Note 7 • selection ecifications for specifications ble for IN, OUT, and gauge | Dis Bla J Pipi Bla A6 | 1 played u ank 1 ing adap ank *W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) INPa display, Rc thread MPa display, NPT, G thread Detor set (included) No attachments 1/8 piping adaptor set | | • • • • | • | • • • • • | • • • • • • • • • • • • • • • • • • • |
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever | Note 7 • selection ecifications for specifications ble for IN, OUT, and gauge | E Dis Bla J F Pipi Bla A6 A8 | 1 played u nk 1 ing adap nk *W *W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set | | | | • • • • • | • (• (• (• (• (• (• (• (• (• (|
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever from the top. | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order | E Dis Bla J F Pipi Bla A6 A8 A10 | 1 played u ank 1 ing adap ank *W *W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) INPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set | 7 • • • • • • • • • • • • • • • • • • • • • • • • • • • | | | No No 0 | • (• (• (• (• (• (|
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever from the top. | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be | Dis Bla J F Pipi Bla A6 A8 A10 A15 | 1 played u nk 1 ing adap nk *W *W *W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread IMPa display, NPT, G thread INO attachments I/8 piping adaptor set I/4 piping adaptor set I/2 piping adaptor set I/2 piping adaptor set | | | | No No 0 | • • • • • • • • • • • • • • • • • • • |
| Jote 1: Refer to page 121 to 122 for spearand attachments. Jote 2: G and NPT threads are availat ports. Jote 3: When selecting options for sever from the top. Jote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option | Note 7 D. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. | E Dis Bla J F Pipi Bla A66 A88 A10 A11 A20 | 1 played u ink 1 ing adap ink *W *W 5*W 5*W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread IMPa display, NPT, G thread INO attachments I/8 piping adaptor set I/4 piping adaptor set I/2 piping adaptor set I/2 piping adaptor set I/2 piping adaptor set | | | | | • • • • • • • • • • • • • • • • • • • |
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever from the top. lote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option lote 5: The low-pressure gauge (0 to 0. | Note 7 • selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order pressure gauge can not be of IN and OUT are required, hal section. • 4 MPa) is used when "L" is | E Dis Bla J Bla A6 A8 A10 A11 A20 A25 | 1 played u nk 1 ing adap nk *W *W 5*W 5*W 5*W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread IMPa display, NPT, G thread INO attachments I/8 piping adaptor set I/4 piping adaptor set I/2 piping adaptor set | | | | | |
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever from the top. lote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option lote 5: The low-pressure gauge (0 to 0. selected for the pressure range of | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, nal section. 0.4 MPa) is used when "L" is option. | E Dis Bla J Bla A6 A8 A10 A15 A20 A25 A32 | 1 played u nk 1 ing adap ing adap w *W 5*W 5*W 5*W 5*W 5*W | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set | | | | | |
| ote 1: Refer to page 121 to 122 for spe and attachments. ote 2: G and NPT threads are availat ports. lote 3: When selecting options for sever from the top. ote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option indicate "X1" in the end of option ote 5: The low-pressure gauge (0 to 0, selected for the pressure range o tote 6: When "T" is selected, the gauge of the pressure gauge. | Note 7 5. selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. J.4 MPa) is used when "L" is option. e plug is assembled instead | E Dis Bla J Pipi Bla A66 A88 A10 A110 A20 A20 A20 A20 A20 A20 A20 A20 A20 A2 | 1 played u ink 1 ing adap ink *W *W b*W b*W b*W b*W b*W b*W b*W b*W b | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 the pi | | | | | |
| lote 1: Refer to page 121 to 122 for speand attachments. lote 2: G and NPT threads are availab ports. lote 3: When selecting options for sever from the top. lote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option lote 5: The low-pressure gauge (0 to 0. selected for the pressure range constructed to the pressure range of the pressure gauge. lote 7: When option "T6" is selected, on | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. 0.4 MPa) is used when "L" is option. e plug is assembled instead hy "blank" or "R2" is selected | E Dis Bla J Bla A66 A88 A10 A15 A20 A25 A32 * Adap Bla | 1 played u ink 1 ing adap ink *W *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5* | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 the piping set | | | | | |
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availab ports. lote 3: When selecting options for sever from the top. lote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option lote 5: The low-pressure gauge (0 to 0. selected for the pressure range of lote 6: When "T" is selected, the gauge of the pressure gauge. | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, nal section. J.4 MPa) is used when "L" is option. e plug is assembled instead hy "blank" or "R2" is selected closed). The digital pressure | E Dis Bla J Bla A66 A88 A10 A11 A20 A22 A32 * Adap Bla | 1 played u ink 1 ing adap ink *W *W *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread IMPa display, NPT, G thread INO attachments 1/8 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 the piping adaptor set 1 NPT thread | | | | | |
| lote 1: Refer to page 121 to 122 for spe and attachments. lote 2: G and NPT threads are availab ports. lote 3: When selecting options for sever from the top. lote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option lote 5: The low-pressure gauge (0 to 0. selected for the pressure range of lote 6: When "T" is selected, the gauge of the pressure gauge. lote 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ lote 8: Piping adaptor set A*00-**-W is i | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. 1.4 MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure (8) is assembled ventilated. included. | E Dis Bla J F Pipi Bla A66 A88 A10 A15 A20 A25 A32 * Adap Bla N C | 1 played u ink 1 ing adap ink *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) IMPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set 1 1/4 piping adaptor set A thread NPT thread G thread | | | | | ((|
| Jote 1: Refer to page 121 to 122 for spear and attachments. Jote 2: G and NPT threads are available ports. Jote 3: When selecting options for sever from the top. Jote 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option selected for the pressure gauge (0 to 0. selected for the pressure range of the pressure gauge. Jote 5: The low-pressure gauge. Jote 6: When "T" is selected, the gauge of the pressure gauge. Jote 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/Jote 8: Piping adaptor set A*00-**-W is i Jote 9: A joiner set is included with the p | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, nal section. 0.4 MPa) is used when "L" is option. e plug is assembled instead nly "blank" or "R2" is selected closed). The digital pressure (8) is assembled ventilated. included. biping adapter set. | Display the second | 1 played u nk 1 ing adap ing a | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 hipping adaptor set 3/4 piping adaptor set 1 hipping adaptor set 1 hipping adaptor set 3 hippingipinging set | | | | | ((|
| Note 1: Refer to page 121 to 122 for spearand attachments. Note 2: G and NPT threads are available ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of the pressure gauge. Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (encosensor PPX mounting port (Rc1/Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, nal section. 0.4 MPa) is used when "L" is option. e plug is assembled instead hy "blank" or "R2" is selected closed). The digital pressure (8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. | Display the second | 1 played u nk 1 ing adap ank *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 hyping adaptor set 1 piping adaptor set 1 hyping adaptor set 1 piping adaptor set 1 thread G thread No attachments | | | | | |
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availab ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option indicate "X1" in the end of option indicate "X1" in the end of option selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT thread Note 11: If NPT is selected for the "C" | Note 7 5. selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be a of IN and OUT are required, nal section. A MPa) is used when "L" is option. e plug is assembled instead nly "blank" or "R2" is selected closed). The digital pressure (8) is assembled ventilated. included. oping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT | E Dis Bla J F Pipi Bla A66 A88 A10 A15 A20 A25 A25 A25 A25 A25 Bla Bla Bla Bla Bla Bla Bla Bla Bla Bla | 1 played u ink 1 ing adap ink *W *W p*W p*W p*W p*W p*W p*W p*W p*W p | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread Dotor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 right piping adaptor set 3/4 piping adaptor set 1 right piping adaptor set 3 right piping adaptor set 3 right piping adaptor set 1 right piping adaptor set 3 right piping set <td></td> <td></td> <td></td> <td></td> <td>((</td> | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availat ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (enc sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT threac Note 11: If NPT is selected for the "C" pressure gauge is enclosed. If | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, nal section. A MPa) is used when "L" is option. e plug is assembled instead hy "blank" or "R2" is selected closed). The digital pressure (8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT FR or G thread is selected, | E Dis Bla J F Pipi Bla A66 A88 A10 A15 A20 A25 A32 * Adap Bla N C C C Atta Bla Bla Bla Bla Bla Bla Bla A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A10 A15 A15 A15 A15 A15 A15 A15 A15 A15 A15 | 1 played u ink 1 ing adap ink *W *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5* | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 right piping adaptor set 3 right piping adaptor set 3 right piping adaptor set 1 right piping adaptor set 3 right piping piping set <t< td=""><td></td><td></td><td></td><td></td><td>((</td></t<> | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availat ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT threac Note 11: If NPT is selected for the "C" | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | Display Display Pipi Blay A66 A88 A100 A15 A200 A25 A32 * Adap Blay Blay C G Attra Blay B3 B4 | 1 played u ink 1 ing adap ink *W *W *W *W *W otor thre ank S achment ink W | IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 hpiping adaptor set 1 hpiping adaptor set 1 hpiping adaptor set 3/4 piping adaptor set 1 hpiping adaptor set 1 hpiping adaptor set 1 hpiping adaptor set 1 hpiping adaptor set 1 kpiping adaptor set 1 hpiping hpiping hpiping hpiping hpiping hpiping hpipin | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availat ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT threac Note 11: If NPT is selected for the "C" | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | Display the second | 1 played u ink 1 ing adap ink *W *W *W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5* | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/4 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 the piping set R thread NPT t | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availat ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT thread Note 11: If NPT is selected for the "C" pressure gauge is enclosed. If an R thread pressure gauge is of Note 12: The piping adapter set and 0 | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | E Dis Bla J F Pipi Bla A66 A88 A10 A12 A20 A32 * Adap Bla Bla Bla Bla Bla Bla Bla Bla G4 G4 | 1 played u nnk 1 ing adap ing | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/4 piping adaptor set 3/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 thread Rc thread NPT thread G thread No attachments C type bracket No tattachments C type bracket B type bracket Pressure gauge: G45D-8-P10 Pressure gauge: G49D-8-P10 | | | | | ((|
| Note 2: G and NPT threads are available ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of the pressure gauge. Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (encomposed expression PPX mounting port (Rc1/Note 8: Piping adaptor set A*00-**-W is i Note 9: A joiner set is included with the p Note 10: The adapter port size can be sent Blank: Rc thread/N: NPT threac Note 11: If NPT is selected for the "C" pressure gauge is enclosed. If an R thread pressure gauge is enclosed. | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | Diss Bla J Pipi Bla A66 A88 A10 A15 A20 A22 A32 * Adap Bla N C C A15 A32 * Adap Bla Bla Bla Bla Bla Bla Bla Bla | 1 played u ink 1 ing adap ink *W *W *W *W *W bror thre ank 2 *W bror thre ank S S S S S S S S S S S S S S S S S S S | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 fully piping adaptor set 1 keype Rc thread NPT thread G thread t No attachments C type bracket B type bracket Pressure gauge: G49D-8-P10 Pressure gauge: G59 | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availab ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i lote 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT thread Note 11: If NPT is selected for the "C" pressure gauge is enclosed. If an R thread pressure gauge is of Note 12: The piping adapter set and 0 | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | E Dis Bla J Fipi Bla A66 A88 A10 A15 A20 A25 A32 * Adap Bla Bla Bla Bla Bla Bla Bla Bla G4 G4 G4 | 1 played u nk 1 ing adap ank *W *W 5*W 5*W 5*W 2*W 5*W 2*W 5*W 2*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5*W 5 | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/8 piping adaptor set 1/4 piping adaptor set 3/8 piping adaptor set 1/2 piping adaptor set 3/4 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 piping adaptor set 1 fully piping adaptor set 1 full | | | | | ((|
| Note 1: Refer to page 121 to 122 for spe and attachments. Note 2: G and NPT threads are availab ports. Note 3: When selecting options for sever from the top. Note 4: Position of the check valve and changed. If the reverse direction indicate "X1" in the end of option Note 5: The low-pressure gauge (0 to 0. selected for the pressure range of Note 6: When "T" is selected, the gauge of the pressure gauge. Note 7: When option "T6" is selected, on for the (H) pressure gauge (end sensor PPX mounting port (Rc1/ Note 8: Piping adaptor set A*00-**-W is i lote 9: A joiner set is included with the p Note 10: The adapter port size can be s Blank: Rc thread/N: NPT thread Note 11: If NPT is selected for the "C" pressure gauge is enclosed. If an R thread pressure gauge is of Note 12: The piping adapter set and 0 | Note 7 5. Selection ecifications for specifications ble for IN, OUT, and gauge ral items, list options in order I pressure gauge can not be of IN and OUT are required, hal section. A MPa) is used when "L" is option. e plug is assembled instead hly "blank" or "R2" is selected closed). The digital pressure /8) is assembled ventilated. included. biping adapter set. selected from Rc, NPT or G. d/G: G thread (e.g.) A8G ' piping thread type, a NPT 'Rc or G thread is selected, enclosed. | Diss Bla J Pipi Bla A66 A88 A10 A15 A20 A22 A32 * Adap Bla N C C A15 A32 * Adap Bla Bla Bla Bla Bla Bla Bla Bla | 1 played u ink 1 ing adap ink *W *W b*W b*W b*W b*W b*W b*W b*W b*W b | IN/OUT reverse flow (right to left) IN/OUT reverse flow (right to left) Init MPa display, Rc thread MPa display, NPT, G thread otor set (included) No attachments 1/4 piping adaptor set 3/8 piping adaptor set 3/4 piping adaptor set 1/2 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1/4 piping adaptor set 1/2 piping adaptor set 1 piping adaptor set 1 fully piping adaptor set 1 keype Rc thread NPT thread G thread t No attachments C type bracket B type bracket Pressure gauge: G49D-8-P10 Pressure gauge: G59 | | | | | |

Jimensions

188

Custom combination specifications

General Description

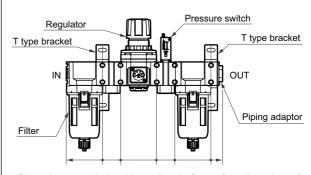
Customized combinations are customer-oriented combinations that meet user needs for diverse combinations.

Place orders by filling out the specifications below.

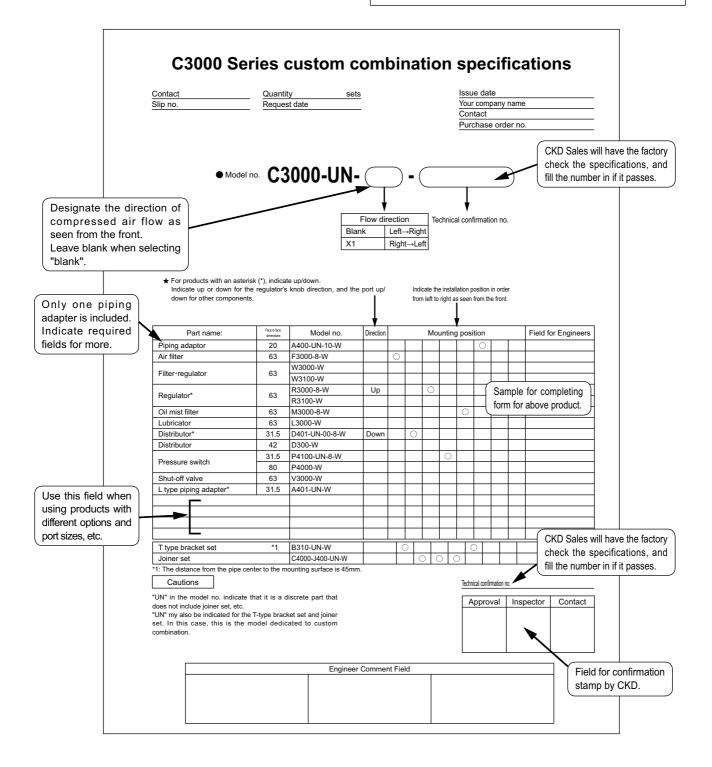
Preparing custom combination specifications

- See individual pages for component ordering and details, etc.
- 3000 and 4000 Series combinations are used for products other than the pressure switch.

Refer to specifications for C4000 in this case.



Dimensions are calculated by totaling the face to face dimensions of each component. The bracket mounting position is also calculated.



C1000 Series custom combination specifications

| Contact | Quantity | se | ts | Issue date |
|---------------------------|--------------|------------|----------------------------|--------------------|
| Slip no. | Request date | | | Your company name |
| | | | | Contact |
| | | | | Purchase order no. |
| • Model no. C1000- | JN- | - (| | |
| | Flow d | lirection | Technical confirmation no. | |
| | Blank | Left→Right | | |
| | X1 | Right→Left | | |
| | | | - | |

★ For products with an asterisk (*), indicate up/down. Indicate up or down for the regulator's knob direction, and the port up/down for other components.

Indicate the installation position in order from left to right as seen from the front.

| Part name: | Face to face dimensions | Model no. | Direction | | Mounti | ing pos | sition | | Field for Engineers |
|------------------------|-------------------------|-----------------|-----------|--|--------|---------|--------|--|---------------------|
| Piping adaptor | 21.5 | A100-UNW | | | | | | | |
| Air filter | 40 | F1000W | | | | | | | |
| Filter, regulator | 40 | W1000W | | | | | | | |
| Filter • regulator | 40 | W1100W | | | | | | | |
| Pogulator* | 40 | R1000W | | | | | | | |
| Regulator* | 40 | R1100W | | | | | | | |
| Oil mist filter | 40 | M1000W | | | | | | | |
| Lubricator | 40 | L1000W | | | | | | | |
| Distributor* | 28 | D101-UN-00W | | | | | | | |
| Pressure switch | 28 | P1100-UNW | | | | | | | |
| Shut-off valve | 40 | V1000W | | | | | | | |
| L type piping adapter* | 28 | A101-UNW | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| T type bracket set | *1 | B110-UN-W | | | | | | | |
| Joiner set | | C1000-J100-UN-W | | | | | | | |

Cautions

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P*100-UN-W for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

*1: The distance from the pipe center to the mounting surface is 40mm.

| Approval | Inspector | Contact |
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| Engineer Comment Field | | | | | | | |
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C2000 Series custom combination specifications

| Contact | | Quantity | sets | | | | Issu | e date | | |
|---|----------------------------|--------------------------------|-----------|-----------|----------|---------------------------------|----------|--------|--------|---------------------|
| Slip no. | | Request date | | | | | Your | compa | iny na | me |
| | | <u>.</u> | | | | | Con | | | |
| | | | | | | | Purc | hase o | order | no. |
| • Model no. C20 | 00- | •UN | | ↓ ↓ | | | | | | |
| | | Flow direction | Tech | nical con | firmatic | on no. | | | | |
| | | Blank Left→Rig | ht | | | | | | | |
| | | X1 Right→Le | | | | | | | | |
| ★ For products with an Indicate up or down up/down for other co | for the | regulator's knob direction, an | d the poi | | | installation ght as see ↓ | | | | |
| Part name: | Face to face dimensions | Model no. | Direction | | M | ounting | position | | | Field for Engineers |
| Piping adaptor | 20 | A400-UNW | | | | | | | | |
| Air filter | 50 | F2000W | | | | | | | | |
| | 63 | F3000W | | | | | | | | |
| Filter•regulator | 50 | W2000W | | | | | | | | |
| | | W2100W | | | | | | | | |
| Regulator* | 50 | R2000W | | | | | | | | |
| | | R2100W | | | | | | _ | | |
| Oil mist filter | 50 | M2000W | | | | | | | | |
| | 63 | M3000W | | | | | | _ | | |
| Lubricator | 63 | L3000W | | | | | | | | |
| Distributor* | 31.5 | D401-UN-00W | | | | | | | | |
| Distributor | 42 | D300W | | | | | | | | |
| Pressure switch | 31.5 | P4100-UNW | | | | | | | | |
| | 80 | P4000W | | | | | | | | |
| Shut-off valve | 63 | V3000W | | | | | | | | |
| L type piping adapter* | 31.5 | A401-UNW | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| T type bracket set | *1 | B310-UN-W | | | | | | | | |
| Joiner set | | C4000-J400-UN-W | 1 | | | | | | | |
| L | | ı | -1 | | | | | | | |

Cautions

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P*100-UN-W for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

Select the reverse regulator R2100-W or reverse filter regulator W2100-W when installing the shut-off valve V3000-W and lockout valve V3010-W onto the primary side of the regulator or filter regulator.

 $^{\star}1:$ The distance from the pipe center to the mounting surface is 45mm.

| Engineer Comment Field | | | | | | | |
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C2000 Series custom combination specifications

| Contact Slip no. | | Quantity Request date | sets | | | | | | - | e date comp | e any na | ame |
|---|----------------------------|-----------------------------|-----------|------|---|----|-------|---------|-------------------|----------------|-------------|---------------------|
| | | | | | | | | | Cont | act | | |
| | | | | | | | | | Purc | hase | orde | r no. |
| • Model no. C25 | 500- | | | | ł | | | $\Big)$ | | | | |
| Flow direction Technical confirmation no. | | | | | | | | | | | | |
| | | Blank Left→F | | | | | | • | | | | |
| | | X1 Right- | - | | | | | | | | | |
| | | XI Ngh | LOIL | | | | | | | | | |
| ★ For products with ar Indicate up or down up/down for other co | for the | regulator's knob direction, | and the p | oort | | | | | tion po seen f | | | |
| Part name: | Face to face dimensions | Model no. | Direction | | | Мс | untin | g pos | sition | | | Field for Engineers |
| Piping adaptor | 20 | A400-UNW | | | | | | | | | | |
| Air filter | 63 | F3000W | | | | | | | | | | |
| Filter•regulator | 63 | W3000W | | | | | | | | | | |
| | 00 | W3100W | | | | | | | | | | |
| Regulator* | 50 | R2000W R2100W | | | | | | | | | | |
| Oil mist filter | 63 | M3000W | | | | | | | | | | |
| Lubricator | 63 | L3000W | | | | | | | | | | |
| Distributor* | 31.5 | D401-UN-00W | | | | | | | | | | |
| Distributor | 42 | D300W | | | | | | | | | | |
| Pressure switch | 31.5 | P4100-UNW | | | | | | | | | | |
| Flessure switch | 80 | P4000W | | | | | | | | | | |
| Shut-off valve | 63 | V3000W | | | | | | | | | | |
| L type piping adapter* | 31.5 | A401-UNW | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| T type bracket set | *1 | B310-UN-W | | | | | | | | | | |
| Joiner set | | C4000-J400-UN-W | | | | | | | | | | |

Cautions

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P*100-UN-W for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

*1: The distance from the pipe center to the mounting surface is 45mm.

| Approval | Inspector | Contact |
|----------|-----------|---------|
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| Engineer Comment Field | | | | | | | | | | | |
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C3000 Series custom combination specifications

| Contact Slip no. | | Quantity Request date | sets | | | | | ue date ir compar | ny nam | 20 | | |
|---|---|-----------------------------|------------|-----------------------|---|--|--------------------------|----------------------|----------------------------|----|--|--|
| | | | | | | | | ntact | ny nan | | | |
| | | | | | | | | chase o | order n | 10 | | |
| • Model no. C30 | 00- | | - | | | |) | | | | | |
| | Flow direction Technical confirmation no. | | | | | | | | | | | |
| | | Blank Left→ | | | | | | | | | | |
| | | X1 Right- | | | | | | | | | | |
| | | | | | | | | | | | | |
| ★ For products with ar Indicate up or down up/down for other co | for the omponer | regulator's knob direction, | and the po | ort Indi fron | | | ion positio seen from | | | | | |
| Part name: | Face to face dimensions | Model no. | Direction | Direction Mounting po | | | | | sition Field for Engineers | | | |
| Piping adaptor | 20 | A400-UNW | | | | | | | | | | |
| Air filter | 63 | F3000W | | | | | | | | | | |
| Filter • regulator | 63 | W3000W | | | | | | | | | | |
| | | W3100W | | | | | | | | | | |
| Regulator* | 63 | R3000W R3100W | | | | | | | | | | |
| Oil mist filter | 63 | M3000W | | | | | | | | | | |
| Lubricator | 63 | L3000W | | | | | | | | | | |
| Distributor* | 31.5 | D401-UN-00W | | | | | | | | | | |
| Distributor | 42 | D300W | | | | | | | | | | |
| Pressure switch | 31.5 | P4100-UNW | | | | | | | | | | |
| Flessule Switch | 80 | P4000W | | | | | | | | | | |
| Shut-off valve | 63 | V3000W | | | | | | | | | | |
| L type piping adapter* | 31.5 | A401-UNW | | | | | | | | | | |
| | | | | | 1 | | | | | | | |
| | | | | | 1 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| T type bracket set | *1 | B310-UN-W | | | | | | | | | | |
| Joiner set | | C4000-J400-UN-W | | | | | | | | | | |

Cautions

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P*100-UN-W for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

 $^{\ast}1:$ The distance from the pipe center to the mounting surface is 45mm.

Technical confirmation no.

| Approval | Inspector | Contact |
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| [| Engineer Comment Field | | | | | | | | | | |
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193

CKD

C4000 Series custom combination specifications

| Contact | | Quantity | sets | | | | ls | Issue date | | | |
|---|----------------------------------|------------------------------|----------------|-------------------------------------|----|----------|----------|-------------------|---------|---------------------|--|
| Slip no. | | Request date | | | | | Y | Your company name | | | |
| | | | | | | | C | Contact | | | |
| • Model no. C40 | | | | | | | <u>γ</u> | urcha | se orde | er no. | |
| C40 | .00. | | | | 7 | |) | | | | |
| *1: Port size 8, 10, 15 are 2 25mm. *2: The distance from the pip the mounting surface is 55 ★ For products with an Indicate up or down | be center 5 mm. n asterisk | to Blank Left→F X1 Right- | Right →Left | nnical co | | tion no | | ition in o | rder | | |
| up/down for other c | | | | | | right as | | | | | |
| Part name: | Face to face dimensions | Model no. | Direction | | Mo | ounting | positio | on | | Field for Engineers | |
| Piping adaptor | *1 | A400-UNW | | | | | | | | | |
| Air filter | 63 | F3000W | | | | | | | | | |
| All liller | 80 | F4000W | | | | | | | | | |
| | 63 | W3000W | | | | | | | | | |
| Filter∙regulator | 05 | W3100W | | | | | | | | | |
| Filler regulator | 80 | W4000W | | | | | | | | | |
| | 00 | W4100W | | | | | | | | | |
| | 63 | R3000W | | | | | | | | | |
| Regulator* | | R3100W | | | | | | | | | |
| regulator | 80 | R4000W | | | | | | | | | |
| | 00 | R4100W | | | | | | | | | |
| Oil mist filter | 63 | M3000W | | | | | | | | | |
| | 80 | M4000W | | | | | | | | | |
| Lubricator | 63 | L3000W | | | | | | | | | |
| | 80 | L4000W | | | | | | | | | |
| Distributor* | 31.5 | D401-UN-00W | | | | | | | | | |
| Distributor | 42 | D300W | | | | | | | | | |
| Pressure switch | 31.5 | P4100-UNW | | | | | | | | | |
| | 80 | P4000W | | | | | | | | | |
| Shut-off valve | 63 | V3000W | | | | | | | | | |
| L type piping adapter* | 31.5 | A401-UNW | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | \square | _ | | | | | | |
| | | | | | | | | | | | |
| T type bracket set | *2 | B410-UN-W | | | | | | | | | |
| Joiner set | | C4000-J400-UN-W | | | | | | | | | |
| Cautions | | | | Cautions Technical confirmation no. | | | | | | | |

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch $\mathsf{P}^{\star}100\text{-}\mathsf{UN}\text{-}\mathsf{W}$ for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

| Engineer Comment Field | | | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|--|
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| - | - |
|-----------|-----------|
| Inspector | Contact |
| | |
| | |
| | |
| | |
| | Inspector |

CKD 194

C6000 Series custom combination specifications

| Contact | Quantity | se | ts | Issue date |
|---------------------------|--------------|------------|----------------------------|--------------------|
| Slip no. | Request date | | | Your company name |
| | | | | Contact |
| | | | | Purchase order no. |
| • Model no. C6000- | UN- 🤇 | - (| | |
| | Flow d | lirection | Technical confirmation no. | |
| | Blank | Left→Right | | |
| | X1 | Right→Left | | |
| | | | | |

★ For products with an asterisk (*), indicate up/down. Indicate up or down for the regulator's knob direction, and the port up/down for other components.

ort Indicate the installation position in order from left to right as seen from the front.

| Part name: | Face to face dimensions | Model no. | Direction | Ma | | nacit | ian | | Field for Engineers |
|------------------------|-------------------------|-----------------|-----------|--------|---------|-------|-----|--|---------------------|
| | | | Direction | | ounting | posit | | | Field for Engineers |
| Piping adaptor | *1 | A800-UNW | | | | | | | |
| Air filter | 90 | F6000W | | | | | | | |
| | 100 | F8000W | | | | | | | |
| Filtorroqulator | 100 | W8000W | | | | | | | |
| Filter • regulator | 100 | W8100W | | | | | | | |
| | 90 | R6000W | | | | | | | |
| De sudete st | 90 | R6100W | | | | | | | |
| Regulator* | 100 | R8000W | | | | | | | |
| | 100 | R8100W | | | | | | | |
| | 90 | M6000W | | | | | | | |
| Oil mist filter | 100 | M8000W | | | | | | | |
| Lubricator | 100 | L8000W | | | | | | | |
| Distributor* | 50 | D801-UN-00W | | | | | | | |
| Pressure switch | 50 | P8100-UNW | | | | | | | |
| L type piping adapter* | 50 | A801-UNW | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| T type bracket set | *2 | B810-UN-W | | | | | | | |
| Joiner set | | C8000-J800-UN-W | | | | | | | |

Cautions

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P^{100} -UN-W for the combination end, select the piping adaptor A^{00} -UN-W on the end side. (The horizontal direction port does not have threads)

*1: Port size 20, 25 are 35mm, 32is 38mm.

 $^{\ast}2$: The distance from the pipe center to the mounting surface is 65mm.

| Engineer Comment Field | | |
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| Approval | Inspector | Contact |
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C8000 Series custom combination specifications

| Contact Slip no. | | | | | | Issue date Your compa | |
|---|-------------------------|-----------------------------|-----------|-------------|---------------|---------------------------------------|---------------------|
| | | Request date | | | | Contact | |
| | | | | | | Purchase | order no |
| | | | | | | | |
| • Model no. C80 | 100- | ·UN-() | - (| | |) | |
| | | \square | | | | | |
| | | * | | ★ | | | |
| | | Flow direction | n Te | chnical cor | firmation no. | | |
| *1: Port size 8, 10, 15 are 35r | mm, 32 | Blank Left→l | Right | | | | |
| is 38mm. *2: The distance from the pipe | center | X1 Right- | - | | | | |
| to the mounting surface is | 65mm. | 0 * | | | | | |
| | | | | | | | |
| | | | | | | | |
| ★ For products with ar Indicate up or down up/down for other ce | n for the | regulator's knob direction, | and the | | | allation position as seen from the | |
| Part name: | Face to face dimensions | Model no. | Direction | , | Mounting | position | Field for Engineers |
| Piping adaptor | *1 | A800-UNW | | | | | |
| Air filter | 100 | F8000W | | | | | |
| | 100 | W8000W | | | | | |
| Filter•regulator | 100 | W8100W | | | | | |
| Dogulator* | 100 | R8000W | | | | | |
| Regulator* | 100 | R8100W | | | | | |
| Oil mist filter | 100 | M8000W | | | | | |
| Lubricator | 100 | L8000W | | | | | |
| Distributor* | 50 | D801-UN-00W | | | | | |
| Pressure switch | 50 | P8100-UNW | | | | | |
| L type piping adapter* | 50 | A801-UNW | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| T type bracket set | *2 | B810-UN-W | | | | | |

Cautions

Joiner set

"UN" in the model no. indicate that it is a discrete part that does not include joiner set, etc.

C8000-J800-UN-W

"UN" my also be indicated for the T-type bracket set and joiner set. In this case, this is the model dedicated to custom combination.

When selecting the pressure switch P*100-UN-W for the combination end, select the piping adaptor A*00-UN-W on the end side. (The horizontal direction port does not have threads)

| Approval | Inspector | Contact |
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| Engineer Comment Field | | |
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MEMO

Pressure gauge/indicator

Related products

Components for air preparation/F.R.L. unit

| CONTENTS | |
|---|------------|
| Pressure gauge | |
| Pressure gauge assembly (G401-W) | 199 |
| Pressure gauge with safety sign (G40D, G50D) | 200 |
| Pressure gauge with limit mark (G45D) | 201 |
| Pressure gauge with limit mark (G41D) | 202 |
| | 203 |
| • General purpose pressure gauge (G49D, G59D) | |
| Pressure gauge for panel mount (G53D) | 205 |
| Pressure gauge for panel mount (G53D) Pressure gauge with switch (G52D) | |
| Pressure gauge for panel mount (G53D) | 205 |
| Pressure gauge for panel mount (G53D) Pressure gauge with switch (G52D) | 205 |
| Pressure gauge for panel mount (G53D) Pressure gauge with switch (G52D) Pressure switch | 205 207 |

▲ Handling the pressure gauge

Repeated and sudden increase and decrease in the pressure and pressure pulsation must be avoided because this could adversely affect the life of the pressure gauge. Either ease the pressure fluctuation in the circuit or check with CKD so that a pressure gauge with a cushioning screw is prepared.

Refer to "Pneumatics, Vacuum, Auxiliary Components Catalog" (No. CB-024SA) for general precautions fo pneumatic components, refer to "ASafety Precautions" in this catalog for detailed precautions for each series.

198



Thin pressure gauge

G401-W Series

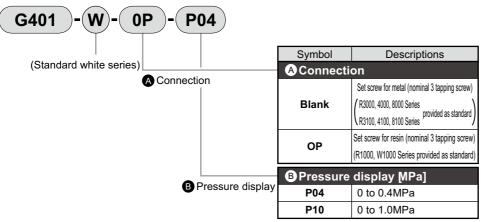
Thin, compact design ideal for incorporating devices. Suitable for filter regulator, regulator, and pressure switch (P4000-W). Connection: O ring seal, set screw JIS symbol



Specifications

| Descriptions | | G401-W |
|---------------------------|------------|--------------------------|
| Working fluid | d | Compressed air |
| Fluid temper | rature °C | 5 to 60 |
| Ambient tempe | erature °C | 5 to 60 |
| Precision | Class | ±3%F.S. (at 5 to 35℃) |
| Shape | | Square shaped, set screw |
| Length of display section | | ø26 |
| Material Housing Lens | | PBT Resin |
| | | Polycarbonate resin |
| Pressure range MPa | | 0 to 0.4 |
| | | 0 to 1.0 |
| Connection | | O ring seal, set screw |
| Weight g | | 11 |

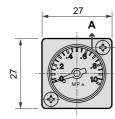
How to order



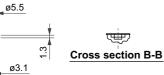
Dimensions and parts matrial



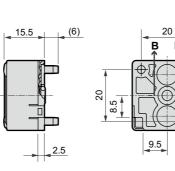




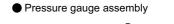
Pressure display: P04 Pressure display: P10

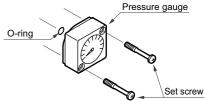


Cross section A-A



| Part name: | Material |
|--------------|---------------------|
| Bourdon tube | Phosphor bronze |
| Case | PBT Resin |
| Lens | Polycarbonate resin |
| | |





* Tighten the mounting screw to 0.6 N·m or less.

Applications





Pressure gauge with safety mark

G40D/G50D Series

Green zone and red zone for easy management. ● Port size: Rc1/8 to Rc1/4

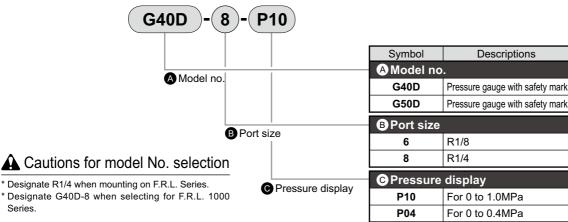




Specifications

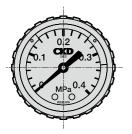
| Descriptions | | G40D, G50D | | | |
|-----------------------------|------|------------------------|-------------|--|--|
| Descriptions | | P10 | P04 | | |
| Working fluid | | Compressed air | | | |
| Full scale MI | Ра | 1 | 0.4 | | |
| Safety mark setting range M | /IPa | 0.15 to 1.0 | 0.06 to 0.4 | | |
| Maximum setting range M | /IPa | 0.45 | 0.18 | | |
| Ambient temperature | °C | 5 to 60 | | | |
| Fluid temperature | °C | 5 to 60 | | | |
| Port size | R | 1/8, 1/4 | | | |
| Precision | | ±3%F.S. (at 5 to 35°C) | | | |
| Weight | g | G40D: 85 | G50D: 100 | | |

How to order



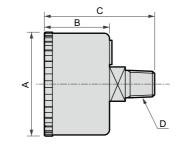
Dimensions and parts matrial

How to adjust pressure range



Pressure display: P04

G40D

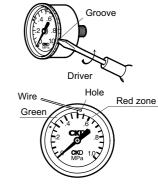


Pressure display: P10

| Part name: | Material |
|---------------------|-------------------|
| Bourdon tube, stock | Brass |
| Housing | Steel sheet+paint |
| Lens | Polyamide resin |
| Mark section | PBT Resin |

| Model no. | Α | В | С | D |
|-----------|------|------|----|------|
| G40D-6 | ø | 26.5 | 44 | R1/8 |
| G40D-8 | 42.5 | 20.5 | 46 | R1/4 |
| G50D-6 | ø | 27.5 | 44 | R1/8 |
| G50D-8 | 52.5 | 27.5 | 46 | R1/4 |

When opening the transparent case



Remove the transparent cover and insert a wire to the hole in red zone to move the red zone. After the adjustment, always supply compressed air after assembling the transparent cover.





Pressure gauge with limit mark

G45D Series

Easy visual inspection with green arrow. ● Port size: Rc1/8 to Rc1/4



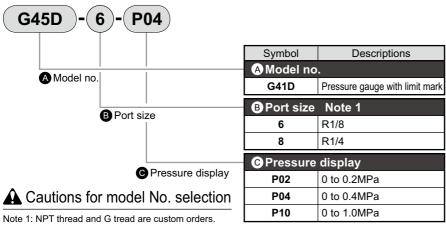


Specifications

| Descriptions | | G45D |
|--------------------|----------------|---------------------------|
| Working fluid | | Compressed air |
| Fluid tempe | erature °C | 5 to 60 |
| Ambient tem | perature °C | 5 to 60 |
| Precision | Note 1 | JIS Class 2.5 equivalent |
| Shape | | Back side thread |
| Length of d | isplay section | ø39 |
| | Stud | Brass |
| Material | Housing | Steel sheet+paint (white) |
| Material | Lens | Polyamide resin |
| | Mark section | Polyacetal resin |
| Pressure range MPa | | 0 to 0.2 |
| (Setting range) | | 0 to 0.4 0 to 1.0 |
| Port size | | R1/8, 1/4 |
| Weight g | | 74 |
| | | |

Note 1: The guaranteed display accuracy temperature is $20 \pm 15^{\circ}$ C.

How to order

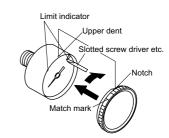


How to adjust

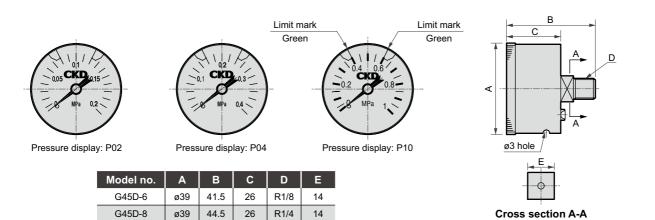
Turn the clear case counterclockwise and pull forward.

Move the green arrow with a slotted driver to set the limit mark. After the adjustment, always supply compressed air after assembling the transparent cover.

Do not bend other indicators and scale when setting the limit mark.



Dimensions





Pressure gauge with limit mark

G41D Series

Easy visual inspection with green arrow. ● Port size: Rc1/8 to Rc1/4



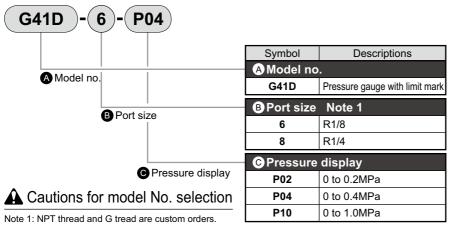


Specifications

| Descriptions | | G41D | |
|-----------------|----------------|-----------------------|--|
| Working fluid | | Compressed air | |
| Fluid tempe | erature °C | 5 to 60 | |
| Ambient temp | perature °C | 5 to 60 | |
| Precision | Note 1 Class | ±3%F.S. (at 5 to 35℃) | |
| Shape | | Back side thread | |
| Length of d | isplay section | ø42 | |
| | Stud | Brass | |
| Material | Housing | Stainless steel | |
| Material | Lens | Polycarbonate resin | |
| | Mark section | Polyacetal resin | |
| Pressure ra | ange MPa | 0 to 0.2 | |
| (setting range) | | 0 to 0.4 0 to 1.0 | |
| Port size | Note 1 | R1/8, 1/4 | |
| Weight | g | 82 | |

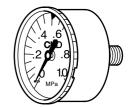
Note 1: The guaranteed display accuracy temperature is $20 \pm 15^{\circ}$ C.

How to order



How to adjust

Remove the transparent cover, then move the green arrow with a screw driver, etc. After the adjustment, always supply compressed air after assembling the transparent cover.



Remove the transparent cover by turning it counterclockwise and pulling it off.

Dimensions

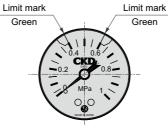


Pressure display: P02

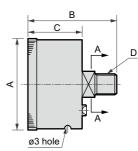


Pressure display: P04

| Model no. | Α | В | С | D | Е |
|-----------|-----|------|------|------|----|
| G41D-6 | ø42 | 40.5 | 24.5 | R1/8 | 12 |
| G41D-8 | ø42 | 44.5 | 24.5 | R1/4 | 14 |



Pressure display: P10





202



General purpose pressure gauge

G49D/G59D Series

Port size: Rc1/8 to Rc1/4





Specifications

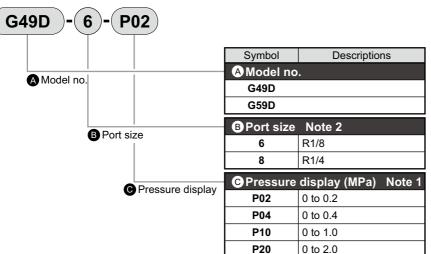
| Descriptions | | G49D | G59D | |
|----------------------|---------------|---------------------------------------|-------------|--|
| Working fluid | | Compressed air | | |
| Fluid temperature °C | | 5 to 60 | | |
| Ambient temp | erature °C | 5 to 60 | | |
| Precision | Note 1 | ±3%F.S. (a | t 5 to 35℃) | |
| Shape | | Back sid | e thread | |
| Length of di | splay section | ø42 | ø52 | |
| | Stud | Brass | Note 2 | |
| Material | Housing | Steel sheet+chrome plating | | |
| | Lens | Glass | | |
| | | 0 to 0.2 | | |
| Pressure ra | nge MPa | 0 to 0.4 | | |
| Ũ | | 0 to 1.0 0 to 2.0 | | |
| Port size | R | | 1/4 | |
| Weight | g | 86 | 115 | |
| | | · · · · · · · · · · · · · · · · · · · | | |

| Clean specification (Catalog No. CB-033SA) |
|--|
| Dust generation preventing structure for use in cleanrooms |
| G49D P9% |
| G59D P9※ |
| |
| |
| Copper and PTFE free specification (Page 179) |
| Copper and PTFE free specification (Page 179) |
| G49D - · · · · · P6 |
| |

Note 1: The guaranteed display accuracy temperature is $20 \pm 15^{\circ}$ C.

Note 2: The material of the Bourdon's tube is phosphor bronze only for pressure indication "P20."

How to order



A Cautions for model No. selection

Note 1: Consult with CKD for indications other than MPa. Note 2: NPT thread are custom orders.

Dimensions



Pressure display: P02



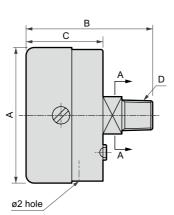
CKD



Pressure display: P04



Pressure display: P20





Cross section A-A

| Model no. | Α | В | С | D | Е |
|-----------|-------|------|------|------|----|
| G49D-6 | ø43.5 | 40.5 | 24.5 | R1/8 | 12 |
| G49D-8 | ø43.5 | 44 | 24.5 | R1/4 | 14 |
| G59D-6 | ø52 | 44.5 | 28 | R1/8 | 12 |
| G59D-8 | ø52 | 46.5 | 28 | R1/4 | 14 |
| G49D-6-P6 | ø42.8 | 43.5 | 27.5 | R1/8 | 12 |
| G59D-8-P6 | ø51.8 | 52.5 | 30 | R1/4 | 14 |



MEMO



Pressure gauge for panel mount

G53D Series





Main features

Pressure gauge for panel mount

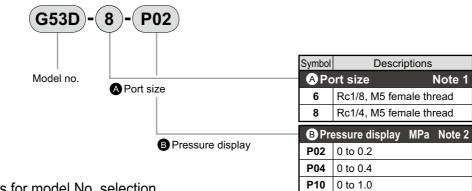
M3 female thred port provided as standard

Specifications

| Model no. | | G53D |
|---------------------------|----------|--|
| Working fluid | | Compressed air |
| Fluid temperature °C | | 5 to 60 |
| Ambient tempera | iture °C | -5 to 60 (to be unfrozen) |
| Precision | Note 1 | ±3% F.S. (at 5 to 35°C) |
| Shape | | Back side thread |
| Length of display section | | ø52 |
| | Stud | Brass |
| Material | Housing | Steel sheet+chrome plating |
| | Lens | Glass |
| Pressure range | MPa | 0 to 0.2 0 to 0.4 0 to 1.0 |
| Port size | R | 1/8 (with M5 female thread), 1/4 (with M5 female thread) |
| Weight | g | 100 |

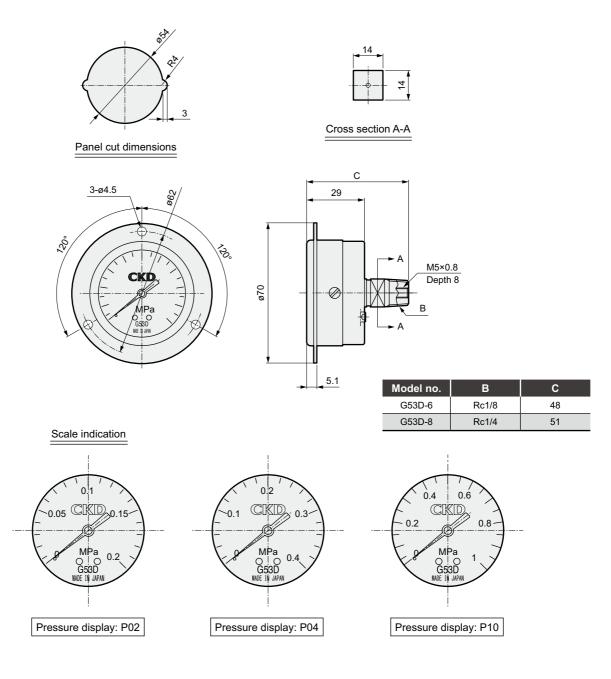
Note 1: The guaranteed display accuracy temperature is 20 ± 15°C.

How to order



A Cautions for model No. selection

Note 1: Consult with CKD when ordering NPT thread. Note 2: Consult with CKD for indications other than MPa.



▲ Safety precautions

Check that no impact or vibration is applied directly to the product.

Repeated and sudden increase and decrease in pressure and pressure pulsation must be avoided because it could adversely affect the life of the pressure gauge.

Ease the pressure fluctuation in the circuit.



Pressure gauge with switch







Main features

- Introducing a pressure switch function to the analog pressure gauge
- Optional non polarized connector
- Optional operation indicator light

Specifications

| • | | | |
|-----------------------|----------------|----------------------------|--|
| Desc | riptions | Pressure gauge | |
| Working fluid | | Compressed air | |
| Fluid tempera | iture ℃ | 5 to 60 | |
| Ambient temp | erature °C | -5 to 60 (to be unfrozen) | |
| Precision | Note 1 | ±3% F.S. (at 5 to 35°C) | |
| Shape | | Back side thread | |
| | Stud | Brass | |
| | Bourdon tube | Phosphor bronze | |
| Material | Housing | Steel sheet+chrome plating | |
| | Lens | Polycarbonate resin | |
| | Setting needle | ABS resin (green) | |
| Pressure range Note 2 | | 0 to 1.0MPa | |
| Port size R | | 1/4 | |
| Weight g | | 150 | |
| | | | |

Note 1: The guaranteed display accuracy temperature is 20 ± 15°C. Note 2: Do not apply pressure beyond max.indicated pressure. Otherwise, malfunctioning may occur.

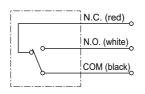
| Descriptions | Pressure switch |
|-----------------------------------|---|
| Pressure switch setting range | 0.1 to 0.8 MPa |
| Hysteresis | 0.07MPa |
| Contact configuration | Without indicator light: 1ab (NO, NC), |
| Contact configuration | with indicator light: 1a (NO) |
| Setting indicator margin of error | ±0.05MPa |
| Lead wire length | 300mm |
| Electric connection | Without light: lead wire 3 pcs. With light:M12 connector (4 pin) |
| Indicator light | LED (load current: 8 to 30 mA) |
| | |

Microswitch rated

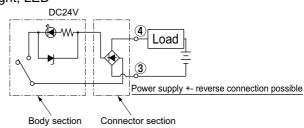
| Load | Resistance load | | |
|-----------------------|-----------------|-----------|--|
| Rated voltage | DC30V | AC125V | |
| Working current range | 0.1 to 1A | 0.1 to 1A | |

Wiring drawing

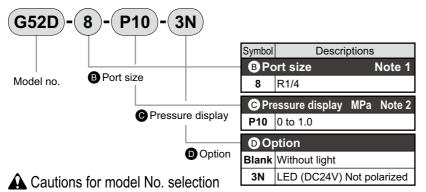
○ Without light



⊖ With light, LED

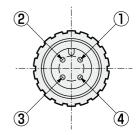


How to order



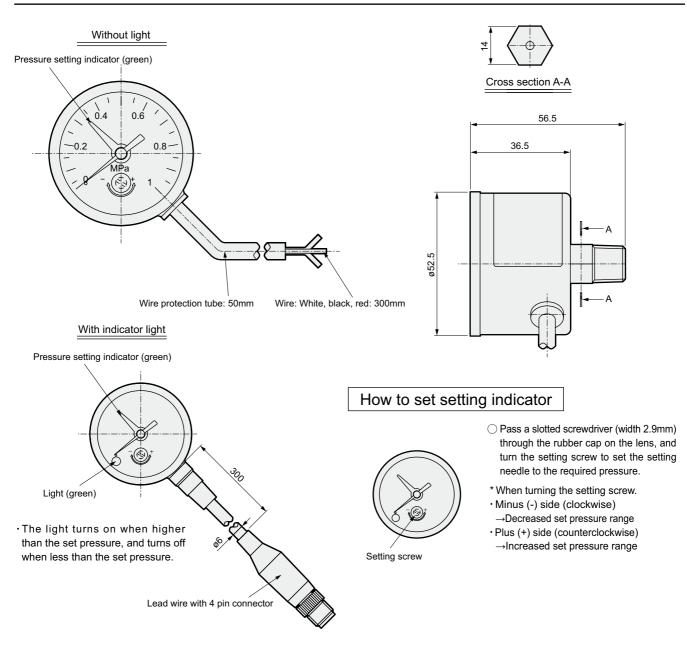
Note 1: Consult with CKD when ordering NPT thread. Note 2: Consult with CKD for indications other than MPa.

Terminal layout of male connector





Dimensions



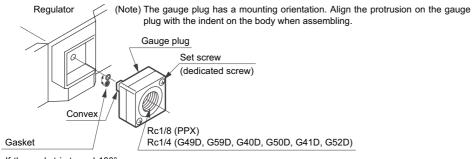
A Safety precautions

- Do not apply impact or vibration directly to the product.
- Repeated and sudden increase and decrease in pressure and pressure pulsation must be avoided because it could adversely affect the life of the pressure gauge. Ease the pressure fluctuation in the circuit.
- The pressure switch uses disable operation if set pressure cannot be reached. Set the pressure switch value so that the setting indicator turns clockwise. If the setting indicator passes the setting position, turn the setting indicator counterclockwise once, then reset.
- Set the setting with a difference of 0.1 MPa or more from the working pressure (including pressure drop). Malfunctions could result if the difference is small. Refer to the drawings above for details on setting the setting needle. When using the pressure switch in the normal open state, the switch may not turn on when the pressure drops unless a pressure, to which the set indication error (± 0.05 MPa), hysteresis (0.07 MPa), and indicated accuracy (± 3%F/S) have been added, has been applied.
- Add the pressure gauge's indication accuracy to the maximum value of the setting indicator and indicator's error (set indicator error).
- When the DC light is used, the internal voltage drop is to be 4 V or less and load current 8 to 30 mA at 24 VDC.
- Wire the lead so that the repeated bending strain and tensile strength are not applied to the wire. Otherwise, braking faults may occur.

Pressure Gauge Series

Gauge Plug Assembly (gauge plug, gasket, set screw assembly)

Use when mounting the pressure gauge.



If the gasket is turned 180° as shown in the drawing, regulator pressure flows to the pressure gauge.

- * Tighten the pressure gauge with a torque of 10 to 15N·m.
- * This can also be used to measure the pressure inside the regulator externally.

* Contact CKD for NPT or G thread.

| Gauge plug assembly model no. | Applicable model | Applicable pressure gauge | |
|-------------------------------|-------------------------|------------------------------------|--|
| R1000-W-G-PLUG | 1000-W Series | G49D, G59D, G40D, G50D, G41D, G52D | |
| R1000-W-T6-PLUG | | РРХ | |
| R3000-W-G-PLUG | 2000-W, 3000-W, 4000-W, | G49D, G59D, G40D, G50D, G41D, G52D | |
| R3000-W-T6-PLUG | 6000-W, 8000-W | РРХ | |



Compact mechanical pressure switch

APS-W Series

· General purpose discrete specifications (APS)

JIS symbol



Specifications

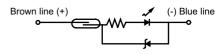
| Descriptions | APS-W | |
|---|---|--|
| Working fluid | Compressed air | |
| Max. working pressure MPa | 1.0 | |
| Set pressure range MPa | 0.1 to 0.6 | |
| Hysteresis MPa | 0.08 or less | |
| Repeatability MPa | ±0.02 or less | |
| Contact configuration | 1a Note 1 | |
| Wiring | Lead wire 1m (oil resistant vinyl cabtire cable 2-conductor 0.2 mm ²) | |
| Ambient temperature and fluid temperature | 5 to 60°C | |
| Protective structure Note 2 | IP 65 equivalent | |

Note 1: The contact turns on if air pressure exceeding the scale setting pressure is applied.

Note 2: However mounting direction must be vertical. When water entrains into the bleed port from bottom, connect an optional joint, and extend the tube until water does not entrain. This port can not be used outdoors.

| Electric component section specification | | | | | |
|--|---|--|--|--|--|
| Load voltage | DC12/24V AC100V | | | | |
| Load voltage | 5 to 50mA 7 to 20mA | | | | |
| Internal voltage drop | 3V or less | | | | |
| Light | LED (ON lighting) | | | | |
| Maximum shock resistance | 294m/S ² | | | | |
| Insulation resistance | $20M\Omega$ and over at 500 VDC megger | | | | |
| Withstanding voltage | No abnormality after application of AC1000V for 1 minute. | | | | |

Internal circuit diagram



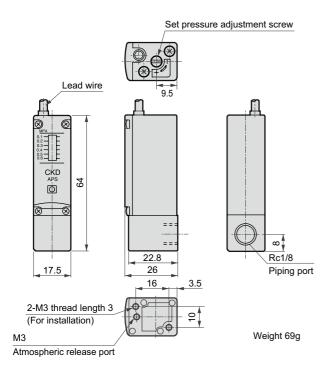
How to order

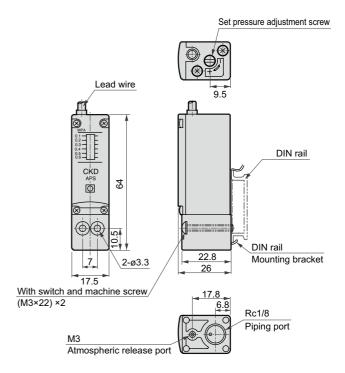
| APS - | 6D 3 - W - 2 | 2 | | | | |
|---------------------------------------|----------------------------|------------------------------|--|--|---------------|--|
| | (White type) | | Symbol | Descriptions | | |
| | | , port size, scale direction | A Piping port position, port size, scale direction | | | |
| Model | A Piping port position, | | 6B | Rear Rc1/8, vertical | Note 1 | |
| | | | 6D | Bottom Rc1/8, vertical | | |
| | | | 6F | Bottom flange, vertical | | |
| | | | 6L | Both sides Rc1/8, vertical | Note 1 | |
| | | | 6Y | Rear slange, side | | |
| | | | BLead wire length | | | |
| | B Lead wire length | Blank | 1m | | | |
| | | | 3 | 3m | | |
| | | | 5 | 5m | | |
| | | | COption | | | |
| | © Option | | Blank | None | | |
| | | | 1 | DIN rail bracket attached (6D) only | | |
| | | | 2 | Nipple attached (6D) only | | |
| | | | 4 | Fitting for atmospheric release port attached (| elbow for M3) | |
| | for LiB production | (Catalog No.CC-947A) | Note 1: When ins | talling on the bottom, be careful not to block the ble | ed port. | |
| Specification for | r LiB manufacturing proces | 55 | | | | |



APS-6B-W

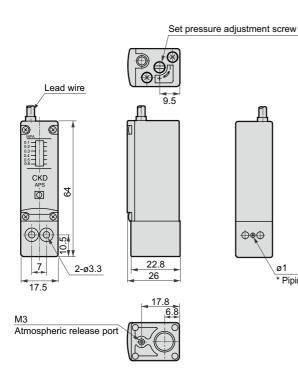
● APS-6D-W



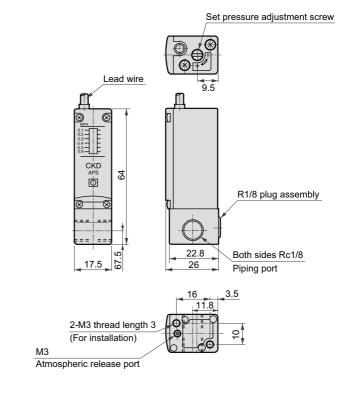


Note: When installing on the bottom, be careful not to block the bleed port.

APS-6F-W



 $\oplus \odot \oplus$ ø1 * Piping port APS-6L-W



* CAUTION: The I.D. of the sealing O ring is ø1.2. Drill a ø1 or less pressure outlet hole on the mounting face.

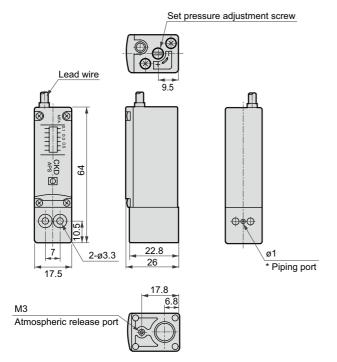
CKD

Note: When installing on the bottom, be careful not to block the bleed port.

Dimensions



APS-6Y-W



* CAUTION: The I.D. of the sealing O ring is ø1.2. Drill a ø1 or less pressure outlet hole on the mounting face.





Automatic drain

DT3000-W/DT4000-W Series

Lightweight, compact automatic drain discharger. applicable compressor: 0.75kW to 75kW.



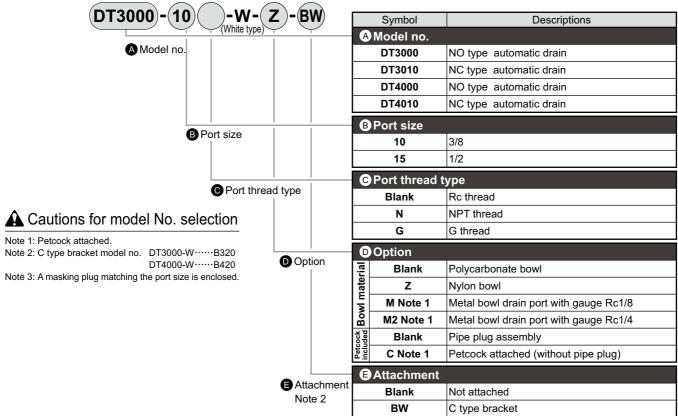


Specifications

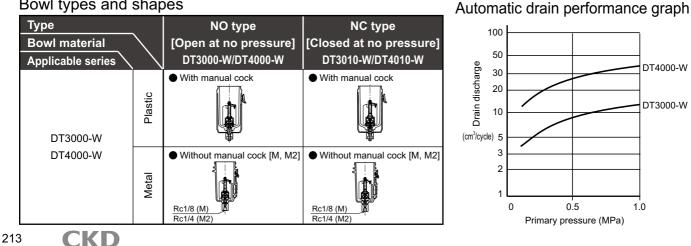
| Descriptions | | DT3000-W | DT4000-W | DT3010-W | DT4010-W | | |
|------------------------------|-------|--|----------|-----------------|----------|--|--|
| Туре | | Normally open (Note 1) | | Normally closed | | | |
| Working fluid | | Drain withing compressed air (water or oil) | | | | | |
| Withstanding pressure MPa | | 1.5 | | | | | |
| Working pressure range MPa | | 0.1 to 1 | | 0.15 to 1 | | | |
| Ambient temperature range °C | | 5 to 60 | | | | | |
| Port size Rc, N | PT, G | 3/8, 1/2 | | | | | |
| Drain port | | Barbed nipple (ø5.7 to ø6 dia. Soft nylon tube can be directly connected.) | | | | | |
| Product weight | kg | 0.3 | 0.45 | 0.3 | 0.45 | | |

Note 1: If the working compressor is less than 0.75 kW (discharge flow 0.09 m³/min), select the normal close type.

How to order



Bowl types and shapes

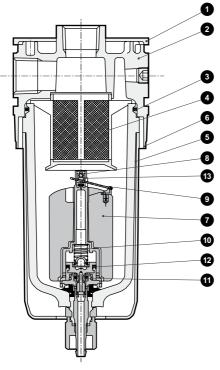


DT3000-W / DT4000-W Series

Internal structure and parts list

Internal structure and parts list

NO type (open at no pressure) DT3000-W/DT4000-W

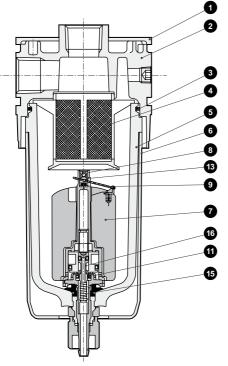


When pressure is not applied in the bowl, valve \mathbf{O} is pressed down by spring \mathbf{O} , and is separated from stem packing \mathbf{O} . When a pressure of 0.1 MPa or more is applied to the bowl, pressure on valve 12 increases to more than the force of spring \mathbf{O} , valve \mathbf{O} is pressed up and is sealed by the stem packing \mathbf{O} .

When drainage accumulates in the bowl, float $\boldsymbol{0}$ rises, and orifice spring $\boldsymbol{0}$ is pressed up by float level arm $\boldsymbol{9}$.

Orifice seat assembly ③ opens with a snap action of the orifice spring ④, and compressed air is led into the upper chamber of valve ④ to pressurize it. When valve ④ is pressed downward and separated from the stem packing ①, drainage is released into the atmosphere. Once released, the float ④ drops and orifice seat assembly ④ is closed by float level arm ④ and the compressed air pressurizing the upper chamber of valve ④ is released into the atmosphere through valve ④ orifice. The pressure applied to valve ④ from the bottom exceeds the force of spring ①, causing valve ④ to rise and be sealed by stem packing ①.

NC type (closed at no pressure) DT3010-W/DT4010-W



When pressure is not applied to the bowl, valve 0 is pressed up by spring 0 and sealed by stem packing 0.

When a pressure of 0.15 MPa or more is applied to the bowl and drainage accumulates, float **()** rises and orifice spring **()** is pressed up by float level arm **()**.

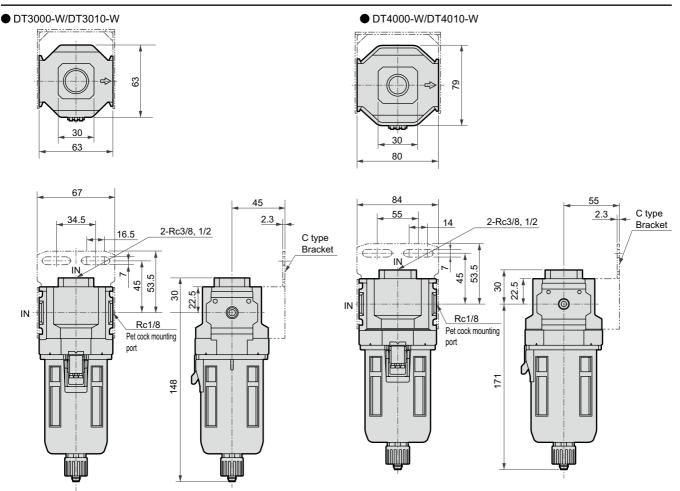
Orifice seat assembly (3) opens with a snap action of the orifice spring (3), and compressed air is led into the upper chamber of valve (5) to pressurize it. When valve (5) is pressed downward and separated from stem packing (1), drainage is released into the atmosphere.

Once released, float **?** lowers and orifice seat assembly **3** is closed by float level arm **9**, and the compressed air pressurizing the upper chamber of valve **1** is released into the atmosphere through the valve **1** orifice. Valve **1** is pressed up by the force of spring **1** from below, and is sealed by stem packing **1**.

| No. | Part name: | Material | Model no. | | | | |
|-----|----------------------------------|-----------------------------|---------------------|---------------------|---------------------|---------------------|--|
| NU. | Fait name. | | DT3000-W | DT3010-W | DT4000-W | DT4010-W | |
| 1 | Plate cover | ABS resin | - | - | - | - | |
| 2 | Body | Aluminum alloy die-casting | - | - | - | - | |
| 3 | O-ring | Special nitrile rubber | F3000-ORING | F3000-ORING | F4000-ORING | F4000-ORING | |
| 4 | Screen | Polyacetal resin, polyester | DT3000-SCREEN | DT3000-SCREEN | DT4000-SCREEN | DT4000-SCREEN | |
| 5 | Bowl assembly (including O ring) | - | DT3000-W-BOWL | DT3010-W-BOWL | DT4000-W-BOWL | DT4010-W-BOWL | |
| 6 | Bowl guard | Polyamide resin, steel | DT3000-W-BOWL-GUARD | DT3000-W-BOWL-GUARD | DT4000-W-BOWL-GUARD | DT4000-W-BOWL-GUARD | |

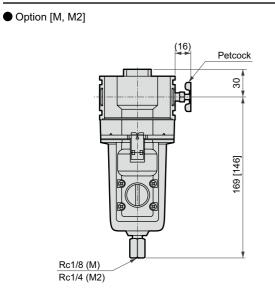
DT3000-W / DT4000-W Series

Dimensions



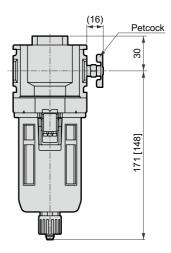
Note: A ø5.7 to ø6 bore size soft nylon tube is directly connected to the drainage discharge port. Note: Provide a space of 60 mm or more under the bowl for maintenance.

Metal bowl specification



Petcock specification

Option [C]



CKD



MEMO