

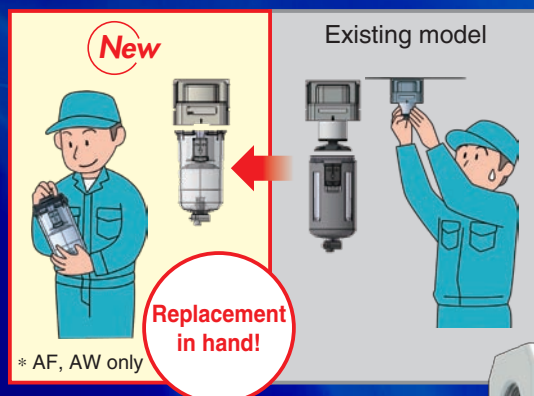
New

RoHS

Modular F.R.L. Units

Easy replacement of the element

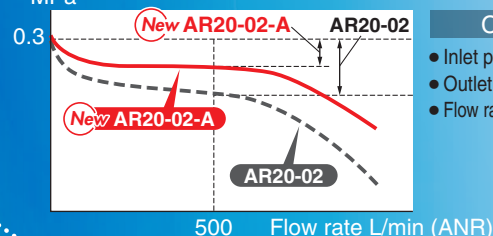
The element and the bowl are in one piece.
Replacement can be done in hand.



Energy saving regulator

Pressure drop: Max. **50% improvement**

Outlet pressure
MPa



Reduced required maintenance space

* For AF40-A

Max. **46% reduction**

AF40-A

AF40



Filter Regulator

Lubricator

Air Filter

Mist Separator

Regulator

Better visibility & safer

Double
layer
design

The bowl is covered with
a transparent bowl guard!

- The inside is visible from 360°
- The bowl is completely protected from the environment. Safety improved.



* Body size: 30 or more

Interchangeable
for mounting

Series **AC**

Filter
Regulator

Mist Separator

Air Filter



Regulator

Lubricator

SMC

CAT.ES40-56A

Series Configuration

| Product | Model | Port size | | | | | INDEX |
|---|------------------|-----------|-----|-----|-----|-----|-------------|
| | | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | |
| Lubricator  | AL | | | | | | P.52 |
| | AL20-A | ● | ● | | | | |
| | AL30-A | | ● | ● | | | |
| | AL40-A | | ● | ● | ● | | |
| Filter Regulator  | AW | | | | | | P.58 |
| | AW20-A | ● | ● | | | | |
| | AW30-A | | ● | ● | | | |
| | AW40-A | | ● | ● | ● | | |
| | AW40-06-A | | | | | ● | |

AC

AF+AR+AL

AW+AL

AF+AR

AF+AFM+AR

AW+AFM

Attachment

AF

AFM / AFD

AR

AL

AW

Simple Specials System

A system designed to respond quickly and easily to your special ordering needs.

Simple
Specials
 System

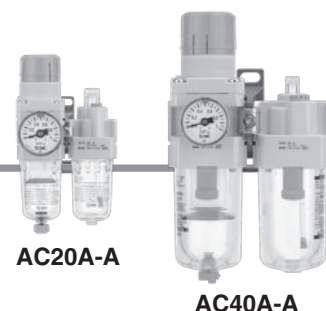
Short lead times

This system enables us to respond to your special needs, such as additional machining, accessory assembly, or modular unit, and deliver such special products as quickly as standard products.

Repeat orders

Once we receive a Simple Special part number from your previous order, we will process the order, manufacture the product, and deliver it to you.

Air Combination *Series AC20A-A to AC40A-A*



| | | Symbol | Description | 1 | | | | |
|---|---------------|--------|-----------------------------------|----------------------------|---|---------------------------|---------------------------|---------------------------|
| | | | | Body size | | | | |
| | | | | 20 | 30 | 40 | | |
| 6 | Semi-standard | i | Lubricator lubricant exhaust port | Nil | Without drain cock | ● | ● | ● |
| | | | 3 <small>Note 9)</small> | Lubricator with drain cock | ● | ● | ● | |
| | | + | | | | | | |
| | | j | Exhaust mechanism | Nil | Relieving type | ● | ● | ● |
| | | | | R | Non-relieving type | ● | ● | ● |
| | | + | | | | | | |
| | | k | Flow direction | Nil | Flow direction: Left to right | ● | ● | ● |
| | | | | R | Flow direction: Right to left | ● | ● | ● |
| | | + | | | | | | |
| | | l | Pressure unit | Nil | Name plate and pressure gauge in imperial units: MPa | ● | ● | ● |
| | | | | Z <small>Note 10)</small> | Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F | ○ <small>Note 11)</small> | ○ <small>Note 11)</small> | ○ <small>Note 11)</small> |

Note 1) Option G, M are not assembled and supplied loose at the time of shipment.

Note 2) When pressure is not applied, condensate which does not start the auto drain mechanism will be left in the bowl. Releasing the residual condensate before ending operations for the day is recommended.

Note 3) If the compressor is small (0.75 kW, discharge flow is less than 100 L/min[ANR]), air leakage from the drain cock may occur during start of operations. N.C. type is recommended.

Note 4) When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.7 MPa) type. 0.4 MPa pressure gauge for 0.2 MPa type.

Note 5) Not available with piping port size: 06.

Note 6) The bracket position varies depending on the pressure switch mounting.

Note 7) Pressure can be set higher than the specification pressure in some cases, but use pressure within the specification range.

Note 8) Without a valve function

Note 9) When selected with the filter regulator drain outlet W, the drain cock of the lubricator is barb fitting.

Note 10) For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

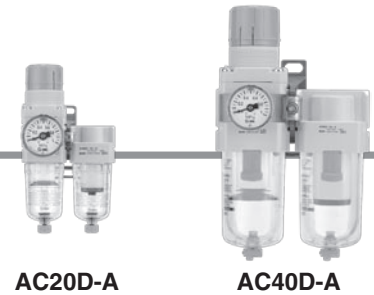
MPa and psi are shown together on the pressure unit. Round pressure gauge (with color zone): Cannot be used with M. Available by request for special.

Note 11) ○: For thread type: NPT only

Standard Specifications

| Model | | AC20A-A | AC30A-A | AC40A-A | AC40A-06-A |
|-------------------------------|------------------|--------------------------------|--------------------------|---------------|------------|
| Component | Filter regulator | AW20-A | AW30-A | AW40-A | AW40-06-A |
| | Lubricator | AL20-A | AL30-A | AL40-A | AL40-06-A |
| Port size | | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4 |
| Pressure gauge port size | | 1/8 | | | |
| Fluid | | Air | | | |
| Ambient and fluid temperature | | – 5 to 60°C (with no freezing) | | | |
| Proof pressure | | 1.5 MPa | | | |
| Maximum operating pressure | | 1.0 MPa | | | |
| Set pressure range | | 0.05 to 0.7 MPa | | | |
| Nominal filtration rating | | 5 μm | | | |
| Recommended lubricant | | Class 1 turbine oil (ISO VG32) | | | |
| Bowl material | | Polycarbonate | | | |
| Bowl guard | | Semi-standard (Steel) | Standard (Polycarbonate) | | |
| Regulator construction | | Relieving type | | | |
| Weight (kg) | | 0.33 | 0.66 | 1.22 | 1.34 |

Air Combination *Series AC20D-A to AC40D-A*



AC20D-A

AC40D-A

| | | | | |
|---|---------------|--------|---|------------------|
| | | Symbol | Description | |
| | | | | |
| ⑥ | Semi-standard | j | Pressure unit | Nil Z Note 9) |
| | | | Name plate and pressure gauge in imperial units: MPa Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F | |

Note 1) Option G, M are not assembled and supplied loose at the time of shipment.

Note 2) When pressure is not applied, condensate which does not start the auto drain mechanism will be left in the bowl. Releasing the residual condensate before ending operations for the day is recommended.

Note 3) If the compressor is small (0.75 kW, discharge flow is less than 100 L/min[ANR]), air leakage from the drain cock may occur during start of operations. N.C. type is recommended.

Note 4) When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.7 MPa) type. 0.4 MPa pressure gauge for 0.2 MPa type.

Note 5) The bracket position varies depending on the pressure switch mounting.

Note 6) Make sure that the outlet pressure is released to atmospheric pressure using a pressure gauge.

Note 7) Pressure can be set higher than the specification pressure in some cases, but use pressure within the specification range.

Note 8) Without a valve function.

Note 9) For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.) MPa and psi are shown together on the pressure unit. Round pressure gauge (with color zone): Cannot be used with M. Available by request for special.

Note 10) ○: For thread type: NPT only.

| | | |
|------------|------------|------------|
| ① | | |
| Body size | | |
| 20 | 30 | 40 |
| ● | ● | ● |
| ○ Note 10) | ○ Note 10) | ○ Note 10) |

Standard Specifications

| Model | | AC20D-A | AC30D-A | AC40D-A | AC40D-06-A |
|---|------------------|---|--------------------------|---------------|------------|
| Component | Filter regulator | AW20-A | AW30-A | AW40-A | AW40-06-A |
| | Mist separator | AFM20-A | AFM30-A | AFM40-A | AFM40-06-A |
| Port size | | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4 |
| Pressure gauge port size | | 1/8 | | | |
| Fluid | | Air | | | |
| Ambient and fluid temperature | | – 5 to 60°C (with no freezing) | | | |
| Proof pressure | | 1.5 MPa | | | |
| Maximum operating pressure | | 1.0 MPa | | | |
| Minimum operating pressure | | 0.05 MPa | | | |
| Set pressure range | | 0.05 to 0.7 MPa | | | |
| Nominal filtration rating | | AW: 5 μm, AFM: 0.3 μm (99.9% filtered particle size) | | | |
| Rated flow (L/min (ANR)) ^{Note 1)} | | 150 | 330 | 800 | 800 |
| Outlet side oil mist concentration | | MAX 1.0 mg/m ³ (ANR) (≈0.8 ppm) ^{Note 2) Note 3)} | | | |
| Bowl material | | Polycarbonate | | | |
| Bowl guard | | Semi-standard (Steel) | Standard (Polycarbonate) | | |
| Regulator construction | | Relieving type | | | |
| Weight (kg) | | 0.32 | 0.65 | 1.22 | 1.34 |


Note 1) Conditions: Mist separator inlet pressure: 0.5 MPa; The rated flow varies depending on the inlet pressure. Keep the air flow within the rated flow to prevent an outflow of lubricant to the outlet side.

Note 2) When the compressor oil mist discharge concentration is 30 mg/m³ (ANR).

Note 3) Bowl O-ring and other O-rings are slightly lubricated.

Modular Type Filter Regulators

Series AW

| Filter Regulator Series AW  P.59 to 65 | Model | Port size | Options |
|---|-----------|---------------|---|
| | AW20-A | 1/8, 1/4 | Bracket |
| | AW30-A | 1/4, 3/8 | Float type auto drain |
| | AW40-A | 1/4, 3/8, 1/2 | Round type pressure gauge |
| | AW40-06-A | 3/4 | With set nut (for panel mount)* * Mounting pitch is different from existing AW Series. |

AC

AF+AR+AL

AW+AL

AF+AR

AF+AFM+AR

AW+AFM

Attachment

AF

AFM / AFD

AR

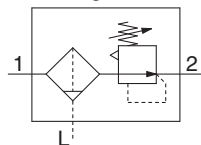
AL

AW

Filter Regulator

AW20-A to AW40-A

JIS Symbol
Filter Regulator



- Integrated filter and regulator units save space and require less piping.

How to Order

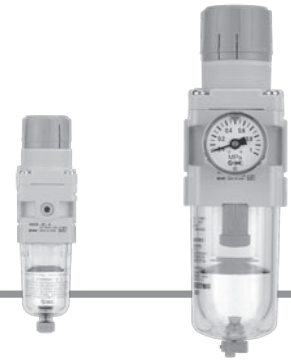
AW **30** - **03** **BG** - **A**

① ② ③ ④ ⑤

- Option/Semi-standard: Select one each for **a** to **i**.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
Example) AW30-03BG-1N-A

| | | Symbol | Description | ① | | | | |
|---|-------------------------------|---------------------------------------|---|--|--------------------------------|---------------------------|---------------------------|---|
| | | | | Body size | | | | |
| | | | | 20 | 30 | 40 | | |
| ② | With backflow function | Nil | Rc | ● | ● | ● | | |
| | | N <small>Note 1)</small> | NPT | ● | ● | ● | | |
| | | F <small>Note 2)</small> | G | ● | ● | ● | | |
| | | + | | | | | | |
| ③ | Thread type | 01 | 1/8 | ● | — | — | | |
| | | 02 | 1/4 | ● | ● | ● | | |
| | | 03 | 3/8 | — | ● | ● | | |
| | | 04 | 1/2 | — | — | ● | | |
| | | 06 | 3/4 | — | — | ● | | |
| | | + | | | | | | |
| ④ | Option <small>Note 3)</small> | a | Mounting | Nil | Without mounting option | ● | ● | ● |
| | | | | B <small>Note 4)</small> | With bracket | ● | ● | ● |
| | | | | H | With set nut (for panel mount) | ● | ● | ● |
| | | | + | | | | | |
| | b | Float type auto drain | Nil | Without auto drain | ● | ● | ● | |
| | | | C <small>Note 5)</small> | N.C. (Normal close) Drain port is closed when pressure is not applied. | ● | ● | ● | |
| | | | D <small>Note 6)</small> | N.O. (Normal open) Drain port is open when pressure is not applied. | — | ● | ● | |
| | | | + | | | | | |
| | c | Pressure gauge <small>Note 7)</small> | Nil | Without pressure gauge | ● | ● | ● | |
| | | | G | Round type pressure gauge (with limit indicator) | ● | ● | ● | |
| M | | | Round type pressure gauge (with color zone) | ● | ● | ● | | |
| | | + | | | | | | |
| ⑤ | Semi-standard | d | Set pressure <small>Note 8)</small> | Nil | 0.05 to 0.7 MPa setting | ● | ● | ● |
| | | | | 1 | 0.02 to 0.2 MPa setting | ● | ● | ● |
| | | | + | | | | | |
| | e | Bowl <small>Note 9)</small> | Nil | Polycarbonate bowl | ● | ● | ● | |
| | | | C | With bowl guard | ● | — <small>Note 10)</small> | — <small>Note 10)</small> | |

Filter Regulator *Series AW20-A to AW40-A*



AW20-A

AW40-A

| | Symbol | Description | ① | | |
|---|--------|-------------|------------|------------|------------|
| | | | Body size | | |
| | | | 20 | 30 | 40 |
| 5 | f | Nil | ● | ● | ● |
| | | J Note 11) | ● | — | — |
| | | W | — | ● | ● |
| | | + | — | ● | ● |
| | g | Nil | ● | ● | ● |
| | | N | ● | ● | ● |
| | h | Nil | ● | ● | ● |
| | | R | ● | ● | ● |
| | i | Nil | ● | ● | ● |
| | | Z Note 12) | ○ Note 13) | ○ Note 13) | ○ Note 13) |

Note 1) Drain guide is NPT 1/8 (applicable to the AW20-A) and NPT 1/4 (applicable to the AW30-A to AW40-A). The auto drain port comes with ø3/8" One-touch fitting (applicable to the AW30-A to AW40-A).

Note 2) Drain guide is G 1/8 (applicable to the AW20-A) and G 1/4 (applicable to the AW30-A to AW40-A).

Note 3) Option B, G, H, M are not assembled and supplied loose at the time of shipment.

Note 4) Assembly of a bracket and set nuts.

Note 5) When pressure is not applied, condensate which does not start the auto drain mechanism will be left in the bowl. Releasing the residual condensate before ending operations for the day is recommended.

Note 6) If the compressor is small (0.75 kW, discharge flow is less than 100 L/min[ANR]), air leakage from the drain cock may occur during start of operations. N.C. type is recommended.

Note 7) When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.7 MPa) type. 0.4 MPa pressure gauge for 0.2 MPa type.

Note 8) Pressure can be set higher than the specification pressure in some cases, but use pressure within the specification range.

Note 9) Refer to Chemical data on page 62 for chemical resistance of the bowl.

Note 10) Standard material (polycarbonate)

Note 11) Without a valve function

Note 12) For thread type: NPT.

This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

Note 13) ○: For thread type: NPT only

Standard Specifications

| Model | AW20-A | AW30-A | AW40-A | AW40-06-A |
|-------------------------------|-------------------------------|--------------------------|---------------|-----------|
| Port size | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 3/4 |
| Pressure gauge port size | 1/8 | | | |
| Fluid | Air | | | |
| Ambient and fluid temperature | -5 to 60°C (with no freezing) | | | |
| Proof pressure | 1.5 MPa | | | |
| Maximum operating pressure | 1.0 MPa | | | |
| Set pressure range | 0.05 to 0.7 MPa | | | |
| Nominal filtration rating | 5 μm | | | |
| Drain capacity (cm³) | 8 | 25 | 45 | |
| Bowl material | Polycarbonate | | | |
| Bowl guard | Semi-standard (Steel) | Standard (Polycarbonate) | | |
| Construction | Relieving type | | | |
| Weight (kg) | 0.21 | 0.41 | 0.75 | 0.81 |

Series AW20-A to AW40-A

Options/Part No.

| Optional specifications | | | Model | | | |
|---|--|-------------------------|--------------|-------------|--------------|-----------|
| | | | AW20-A | AW30-A | AW40-A | AW40-06-A |
| Bracket assembly ^{Note 1)} | | | AR22P-270AS | AR32P-270AS | AR42P-270AS | |
| Set nut | | | AR22P-260S | AR32P-260S | AR42P-260S | |
| Pressure gauge | Round type ^{Note 2)} | Standard | G36-10-□01 | | G46-10-□01 | |
| | | 0.02 to 0.2 MPa setting | G36-4-□01 | | G46-4-□01 | |
| | Round type ^{Note 2)} (with color zone) | Standard | G36-10-□01-L | | G46-10-□01-L | |
| | | 0.02 to 0.2 MPa setting | G36-4-□01-L | | G46-4-□01-L | |
| Float type auto drain ^{Note 3)} ^{Note 4)} | | N.C. | AD27-A | AD37-A | AD47-A | |
| | | N.O. | — | AD38-A | AD48-A | |

Semi-standard/Bowl Assembly Part No.

| Semi-standard specifications | | | | | | Model | | | |
|------------------------------|---|------|--|-------------------|-----------------|-----------|----------|----------|-----------|
| Bowl material | <small>Note 3) Note 4)</small> Float type auto drain | | <small>Note 4)</small> With drain guide | With barb fitting | With bowl guard | AW20-A | AW30-A | AW40-A | AW40-06-A |
| | N.C. | N.O. | | | | | | | |
| Polycarbonate | — | — | — | — | ● | C2SF-C-A | — | — | — |
| | ● | — | — | — | ● | AD27-C-A | — | — | — |
| | — | — | ● | — | — | C2SF-J-A | C3SF-J-A | C4SF-J-A | |
| | — | — | — | ● | — | — | C3SF-W-A | C4SF-W-A | |
| | — | — | ● | — | ● | C2SF-CJ-A | — | — | |

Note 1) Assembly of a bracket and set nuts

Note 2) □ in part numbers for a round pressure gauge indicates a type of connection thread. No indication is necessary for R; however, indicate N for NPT. Please contact SMC regarding the connection thread NPT and pressure gauge supply for psi unit specifications.

Note 3) Minimum operating pressure: N.O. type—0.1 MPa; N.C. type—0.1 MPa (AD27-A) and 0.15 MPa (AD37-A/47-A).
Please consult with SMC separately for psi and °F unit display specifications.

Note 4) Please consult SMC for details on drain piping to fit NPT or G port sizes.
The bowl assembly includes the bowl O-ring.

⚠ Specific Product Precautions

Be sure to read before handling. Refer to back cover for Safety Instructions, “Handling Precautions for SMC Products” (M-E03-3) and the Operation Manual for F.R.L. Precautions.
Please download it via our website, <http://www.smcworld.com>

Design / Selection

⚠ Warning

- Although exhaust of the residual pressure to the inlet side is possible when eliminating the inlet pressure, exhaust is not possible when the set pressure is 0.15 MPa or less. Use the regulator with backflow function.
- The standard bowl for the air filter, filter regulator, and lubricator, as well as the sight dome for the lubricator and bowl guard are made of polycarbonate. Do not use in an environment where they are exposed to or come in contact with organic solvents, chemicals, cutting oil, synthetic oil, alkali, and thread lock solutions.

Effects of atmosphere of organic solvents and chemicals, and where these elements are likely to adhere to the equipment.
Chemical data for substances causing degradation (Reference)

| Type | Chemical name | Application examples | Material Polycarbonate |
|-------------------|--|---|---------------------------|
| Acid | Hydrochloric acid Sulfuric acid, Phosphoric acid Chromic acid | Acid washing liquid for metals | △ |
| Alkaline | Sodium hydroxide (Cautic soda) Potash Calcium hydroxide (Slack lime) Ammonia water Carbonate of soda | Degreasing of metals Industrial salts Water-soluble cutting oil | × |
| Inorganic salts | Sodium sulfide Sulfate of potash Sulfate of soda | — | × |
| Chlorine solvents | Carbon tetrachloride Chloroform Ethylene chloride Methylene chloride | Cleansing liquid for metals Printing ink Dilution | × |
| Aromatic series | Benzene Toluene Paint thinner | Coatings Dry cleaning | × |
| Ketone | Acetone Methyl ethyl ketone Cyclohexane | Photographic film Dry cleaning Textile industries | × |
| Alcohol | Ethyl alcohol IPA Methyl alcohol | Antifreeze Adhesives | △ |
| Oil | Gasoline Kerosene | — | × |
| Ester | Phthalic acid dimethyl Phthalic acid dimethyl Acetic acid | Synthetic oil Anti-rust additives | × |
| Ether | Methyl ether Ethyl ether | Brake oil additives | × |
| Amino | Methyl amino | Cutting oil Brake oil additives Rubber accelerato | × |
| Other | Thread-lock fluid Seawater Leak tester | — | × |

△ : Some effects may occur × : Effects will occur

Maintenance

⚠ Warning

- Replace the element every 2 years or when the pressure drop becomes 0.1 MPa, whichever comes first, to prevent damage to the element.

Mounting and Adjustment

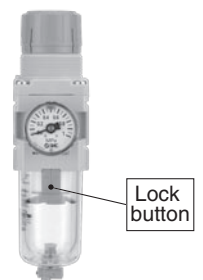
⚠ Warning

- Set the regulator while verifying the displayed values of the inlet and outlet pressure gauges. Turning the regulator knob excessively can cause damage to the internal parts.
- Do not use tools on the pressure regulator knob as this may cause damage. It must be operated manually.

Mounting and Adjustment

⚠ Caution

- Be sure to unlock the knob before adjusting the pressure and lock it after setting the pressure. Failure to follow this procedure can cause damage to the knob and the outlet pressure may fluctuate.
 - Pull the pressure regulator knob to unlock. (You can visually verify this with the “orange mark” that appears in the gap.)
 - Push the pressure regulator knob to lock. When the knob is not easily locked, turn it left and right a little and then push it (when the knob is locked, the “orange mark”, i.e., the gap will disappear).
- Pulsation will be generated when the difference between the inlet and the outlet pressure is large. In this case, reduce the pressure difference between the inlet and the outlet. Consult SMC if the pulsation problem is not resolved.
- When the bowl is installed, install them so that the lock button lines up to the groove of the front (or the back) of the body to avoid drop or damage of the bowl.



AC

AF+AR+AL

AW+AL

AF+AR

AF+AFM+AR

AW+AFM

Attachment

AF

AFM / AFD

AR

AL

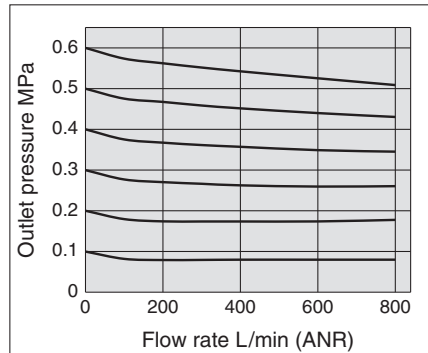
AW

Series AW20-A to AW40-A

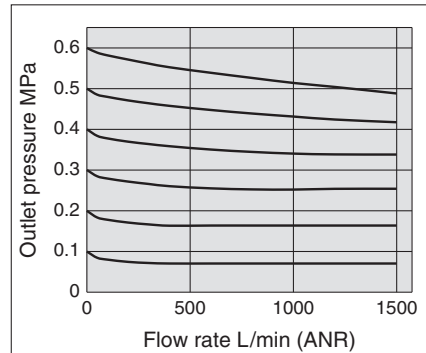
Flow Characteristics (Representative values)

Condition: Inlet pressure 0.7 MPa

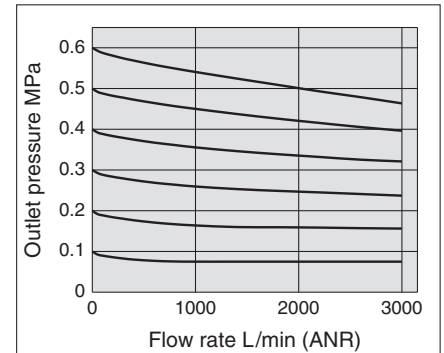
AW20-A Rc 1/4



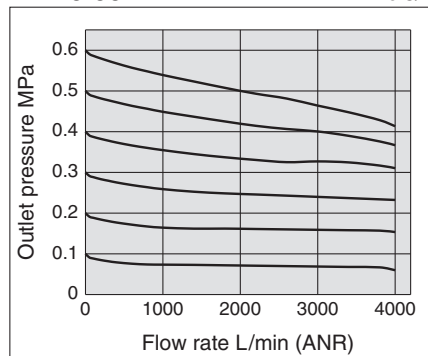
AW30-A Rc 3/8



AW40-A Rc 1/2



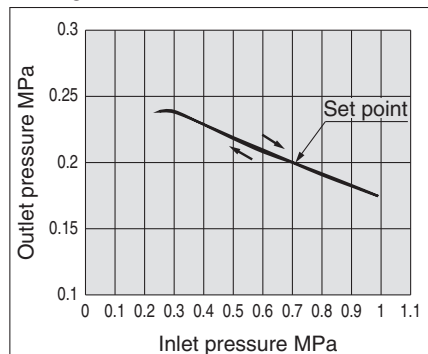
AW40-06-A Rc 3/4



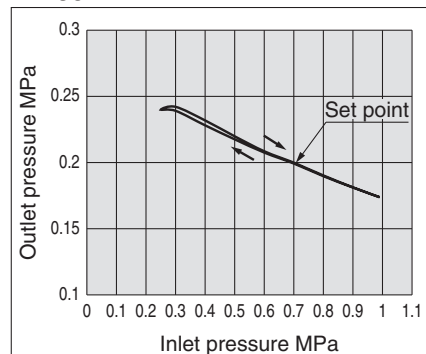
Pressure Characteristics (Representative values)

Conditions: Inlet pressure 0.7 MPa, Outlet pressure 0.2 MPa, Flow rate 20 L/min (ANR)

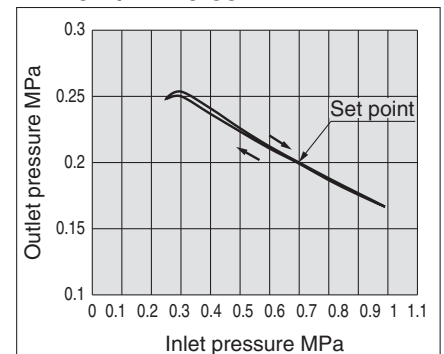
AW20-A



AW30-A

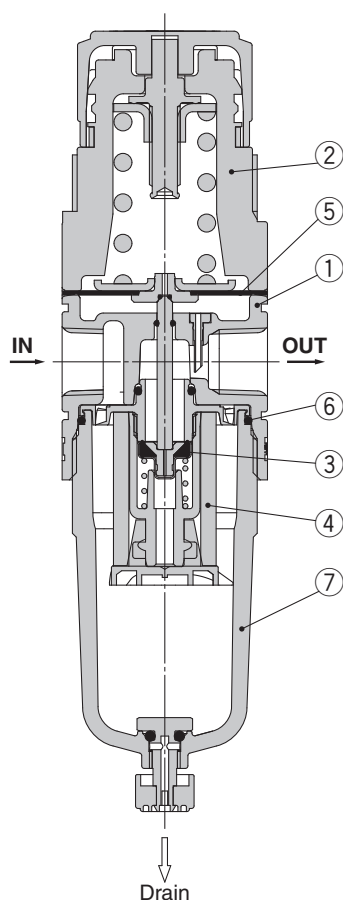


AW40-A/AW40-06-A

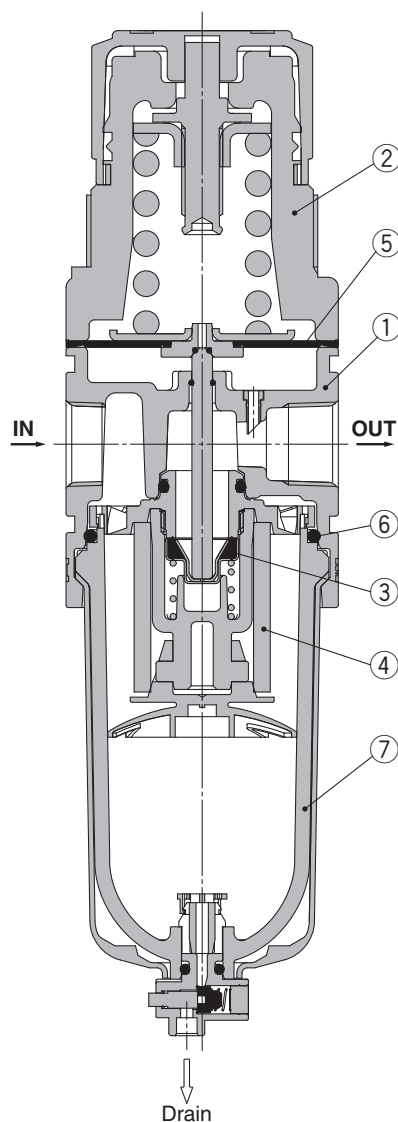


Construction

AW20-A



AW30-A to AW40-06-A



Component Parts

| No. | Description | Material | Color |
|-----|-------------|-------------------|-------|
| 1 | Body | Aluminum die-cast | White |
| 2 | Bonnet | Polyacetal | White |

Replacement Parts

| No. | Description | Material | Part no. | | | |
|-----|--------------------------------|-----------------------|-------------|-------------|-------------|-----------|
| | | | AW20-A | AW30-A | AW40-A | AW40-06-A |
| 3 | Valve assembly | Stainless steel, HNBR | AW22P-060AS | AW32P-060AS | AW42P-060AS | |
| 4 | Filter element | Non-woven fabric | AF20P-060S | AF30P-060S | AF40P-060S | |
| 5 | Diaphragm assembly | Weatherable NBR | AR22P-150AS | AR32P-150AS | AR42P-150AS | |
| 6 | Bowl seal | NBR | C2SFP-260S | C32FP-260S | C42FP-260S | |
| 7 | Bowl assembly ^{Note)} | Polycarbonate | C2SF-A | C3SF-A | C4SF-A | |

Note) Bowl seal is included. Please contact SMC regarding the bowl assembly supply for psi and °F unit specifications.

AC

AF+AR+AL

AW+AL

AF+AR

AF+AFM+AR

AW+AFM

Attachment

AF

AFM / AFD

AR

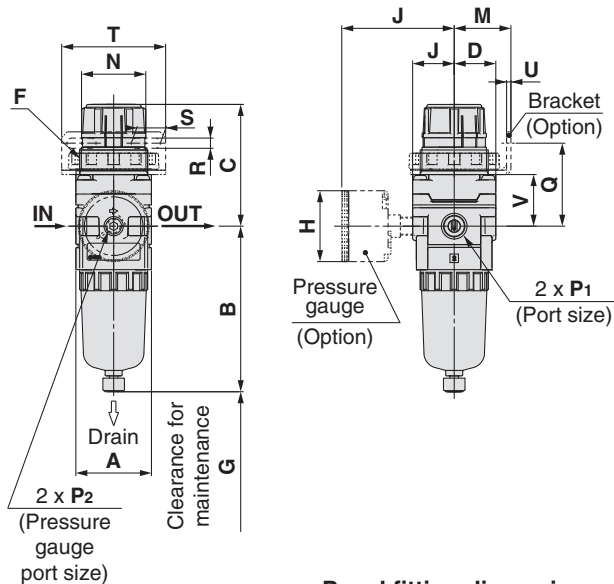
AL

AW

Series AW20-A to AW40-A

Dimensions

AW20-A



Panel fitting dimension

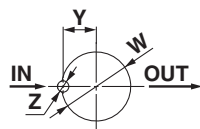
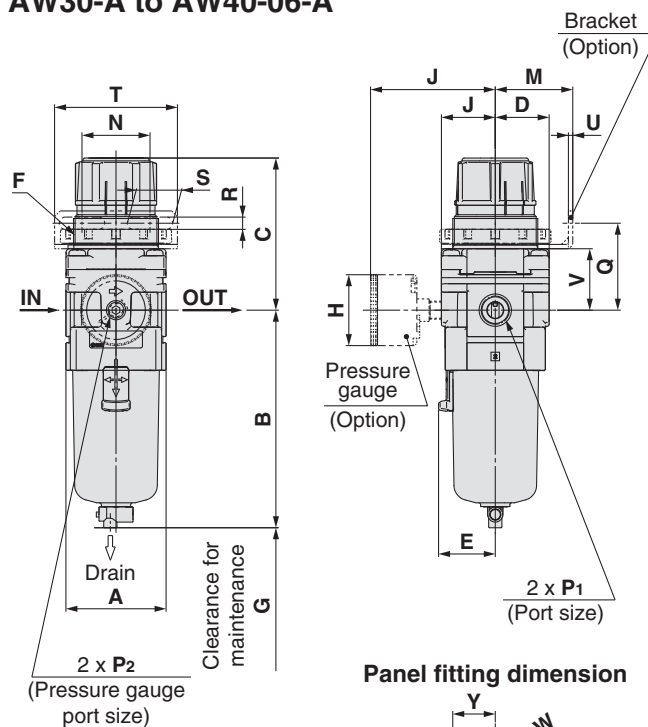


Plate thickness
AW20-A : Max.4

AW30-A to AW40-06-A



Panel fitting dimension

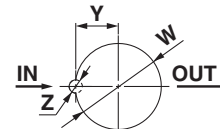







Plate thickness
AW30-A to AW40-06-A : MAX.8

| Applicable model | AW20-A | | AW30-A to AW40-A | | |
|---------------------------------------|---|---|--|---|--|
| Optional/Semi-standard specifications | With auto drain (N.C.) | With drain guide | With auto drain (N.O./N.C.) | With drain guide | Drain cock with barb fitting |
| Dimensions |  |  | <div>N.O.: Black N.C.: Gray</div> <div>Thread type/Rc,G: ø10 One-touch fitting Thread type/NPT: ø3/8" One-touch fitting</div>  |  |  <div>Barb fitting Applicable tubing: T0604</div> |

| Model | Standard specifications | | | | | | | | | | Optional specifications | | | |
|-----------|-------------------------|-----|----|-------|---------|------|------|-----------|----|------|---------------------------|------|---|------|
| | P1 | P2 | A | B | C(Note) | D | E | F | G | J | Round type pressure gauge | | Round type pressure gauge (with color zone) | |
| AW20-A | 1/8, 1/4 | 1/8 | 40 | 87.6 | 67.4 | 22 | — | M36 x 1.5 | 25 | 22 | ø37.5 | 58.5 | ø37.5 | 59.5 |
| AW30-A | 1/4, 3/8 | 1/8 | 53 | 115.1 | 83.5 | 28.5 | 30 | M45 x 1.5 | 35 | 28.5 | ø37.5 | 65 | ø37.5 | 66 |
| AW40-A | 1/4, 3/8, 1/2 | 1/8 | 70 | 147.1 | 100 | 34.5 | 38.4 | M52 x 1.5 | 40 | 34.5 | ø42.5 | 72 | ø42.5 | 72 |
| AW40-06-A | 3/4 | 1/8 | 75 | 149.1 | 101.5 | 34.5 | 38.4 | M52 x 1.5 | 40 | 34.5 | ø42.5 | 72 | ø42.5 | 72 |

| Model | Optional specifications | | | | | | | | | | | Semi-standard specifications | | |
|-----------|-------------------------|----|------|-----|------|----|-----|-------------|------|------|---|------------------------------|-------------------|------------------|
| | Bracket mount | | | | | | | Panel mount | | | | With auto drain | With barb fitting | With drain guide |
| | M | N | Q | R | S | T | U | V | W | Y | Z | B | B | B |
| AW20-A | 30 | 34 | 43.9 | 5.4 | 15.4 | 55 | 2.3 | 27.3 | 36.5 | 17.5 | 6 | 104.9 | — | 91.4 |
| AW30-A | 41 | 36 | 46 | 6.5 | 24 | 65 | 2.3 | 32.5 | 45.5 | 22.5 | 7 | 156.8 | 123.6 | 121.9 |
| AW40-A | 50 | 38 | 54 | 8.5 | 26.5 | 70 | 2.3 | 38.4 | 52.5 | 26 | 7 | 186.9 | 155.6 | 153.9 |
| AW40-06-A | 50 | 38 | 55.5 | 8.5 | 26.5 | 70 | 2.3 | 39.9 | 52.5 | 26 | 7 | 188.9 | 157.6 | 155.9 |

Note) The total length of C dimension is the length when the filter regulator knob is unlocked.