

AC-D Series Accessories (Spacer / Spacer with Bracket)

Spacer / Spacer with Bracket

Y **300** - D

① ②

| | Symbol | Description | ① | | | | |
|-----------|--------|---------------------|--------------------------------|---------------|---------------|------------------|--------------------|
| | | | Body size [Applicable AC size] | | | | |
| | | | 200 [AC20] | 300 [AC30] | 400 [AC40] | 500 [AC40-06] | 600 [AC50/AC60] |
| ② Bracket | — | Spacer | ● | ● | ● | ● | ● |
| | T | Spacer with bracket | ● | ● | ● | ● | ● |

Spacer
(Y□-D)



Spacer with bracket
(Y□T-D)



Standard Specifications

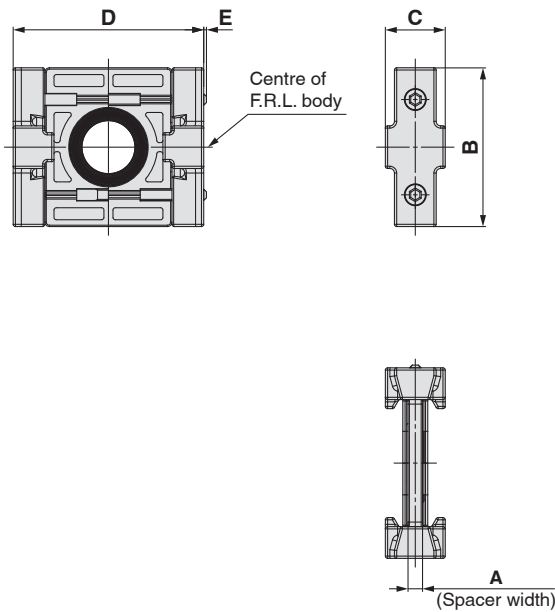
| | |
|--------------------------------|---------------------------|
| Fluid | Air |
| Ambient and fluid temperatures | -5 to 60 °C (No freezing) |
| Proof pressure | 1.5 MPa |
| Max. operating pressure | 1.0 MPa |

Replacement Parts

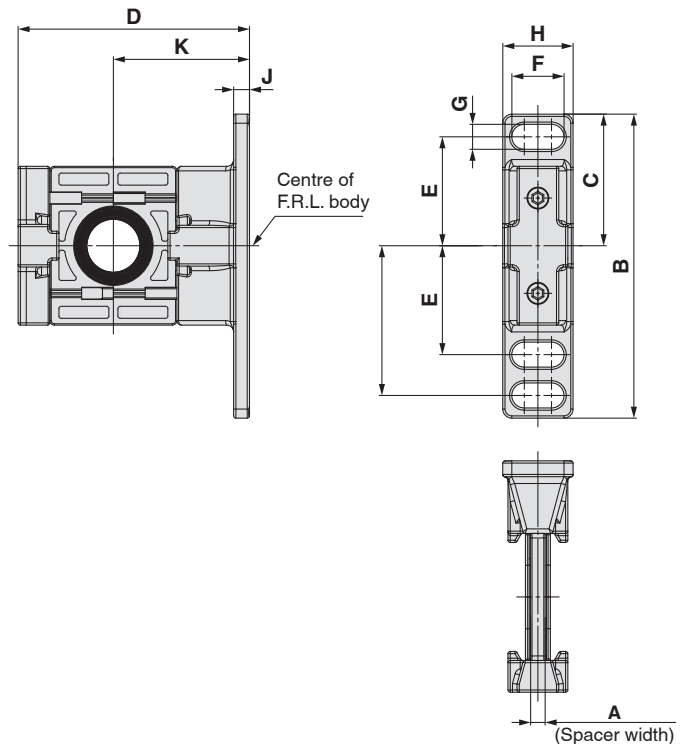
| Description | Material | Part no. | | | | |
|-------------|----------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Y200-D Y200T-D | Y300-D Y300T-D | Y400-D Y400T-D | Y500-D Y500T-D | Y600-D Y600T-D |
| Seal | HNBR | Y220P-050S | Y320P-050S | Y420P-050S | Y520P-050S | Y620P-050S |

Dimensions

Spacer



Spacer with bracket



| Model | A | B | C | D | E | L | Applicable size |
|--------|-----|----|------|----|-----|---|------------------|
| Y200-D | 3.2 | 35 | 13.2 | 42 | 0.6 | 2 | AC20-D |
| Y300-D | 4.2 | 43 | 16.2 | 53 | — | 3 | AC30-D |
| Y400-D | 5.2 | 51 | 19.2 | 71 | — | 3 | AC40-D |
| Y500-D | 5.2 | 54 | 21.2 | 71 | — | 3 | AC40-06-D |
| Y600-D | 6.2 | 64 | 27.2 | 90 | — | 4 | AC50-D AC60-D |

| Model | A | B | C | D | E | EE | F | G | H | J | K | L | Applicable size |
|---------|-----|-----|------|------|----|----|------|-----|------|-----|----|---|------------------|
| Y200T-D | 3.2 | 67 | 29 | 51 | 24 | 33 | 11.5 | 5.5 | 15.5 | 3.5 | 30 | 2 | AC20-D |
| Y300T-D | 4.2 | 85 | 42.5 | 67.5 | 35 | — | 14 | 7 | 20 | 6 | 41 | 3 | AC30-D |
| Y400T-D | 5.2 | 115 | 50 | 85.5 | 40 | 55 | 18 | 9 | 26 | 7 | 50 | 3 | AC40-D |
| Y500T-D | 5.2 | 115 | 50 | 85.5 | 40 | 55 | 18 | 9 | 26 | 7 | 50 | 3 | AC40-06-D |
| Y600T-D | 6.2 | 140 | 60 | 115 | 50 | 70 | 20 | 11 | 31.2 | 8 | 70 | 4 | AC50-D AC60-D |

Modular F.R.L. Units

RoHS

Modular Design with Uniform Body Style

Better visibility & environmental resistance



The bowl is covered with a transparent bowl guard!

* Body sizes 30 and larger

- The inside is visible from 360°.
- The inner bowl is protected from the environment, allowing for improved safety.

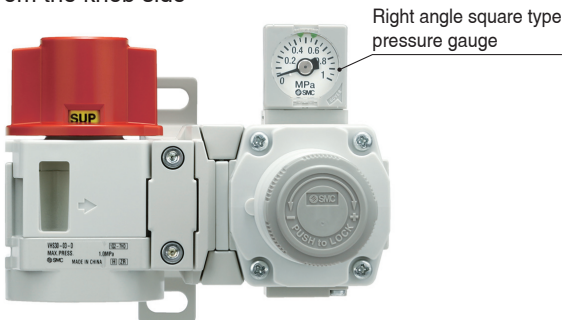
- Inner bowl**
Material: Polycarbonate
- Transparent bowl guard**
Material: Polycarbonate



New A right angle square type pressure gauge and various attachments have been added.

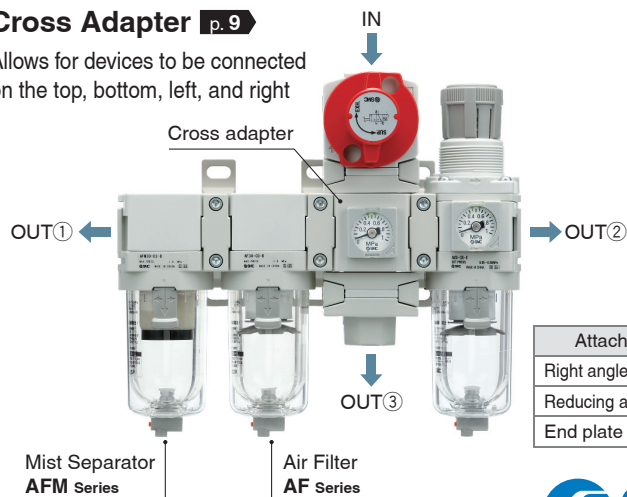
Right Angle Square Type Pressure Gauge **p. 8**

Allows for pressure confirmation from the knob side



Cross Adapter **p. 9**

Allows for devices to be connected on the top, bottom, left, and right



| Attachment | Page |
|---------------------|------|
| Right angle adapter | 7 |
| Reducing adapter | 10 |
| End plate | 70 |

AC Series



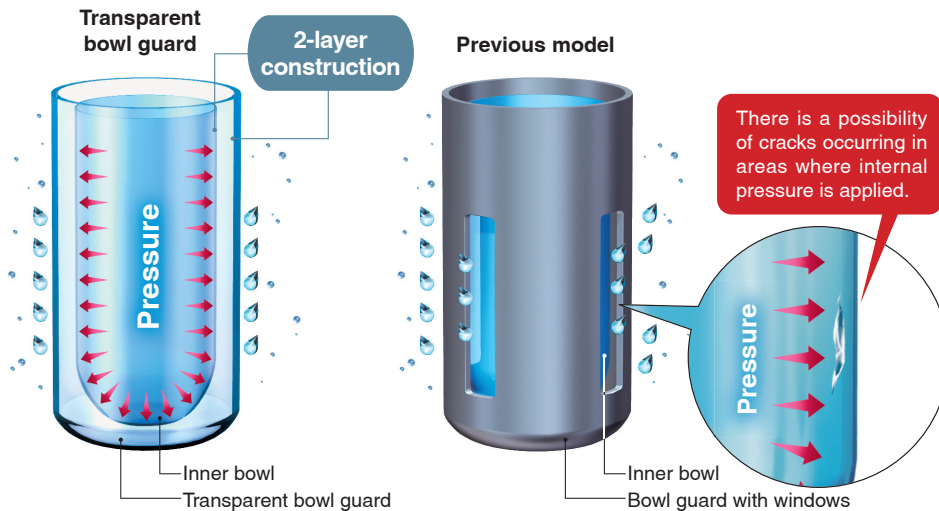
CAT.EUS40-69D-UK

Transparent bowl guard

Better environmental resistance:

The transparent bowl guard protects the inner bowl!

The bowl guard with windows has been replaced with a **polycarbonate transparent bowl guard**. Now, even if the environment changes and the bowl is exposed to corrosive chemical or oil splash, **the foreign matter will not come into direct contact with the pressurized bowl**. This can reduce the risk of bowl breakage.

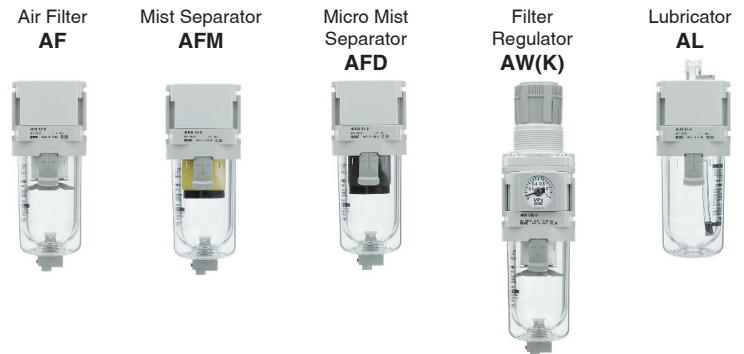


Better visibility: 360°

The transparent bowl guard allows for easy checking of the condensate level inside the filter bowl and the remaining oil amount in the lubricator from any direction.



Applicable model * Body sizes 30 and larger

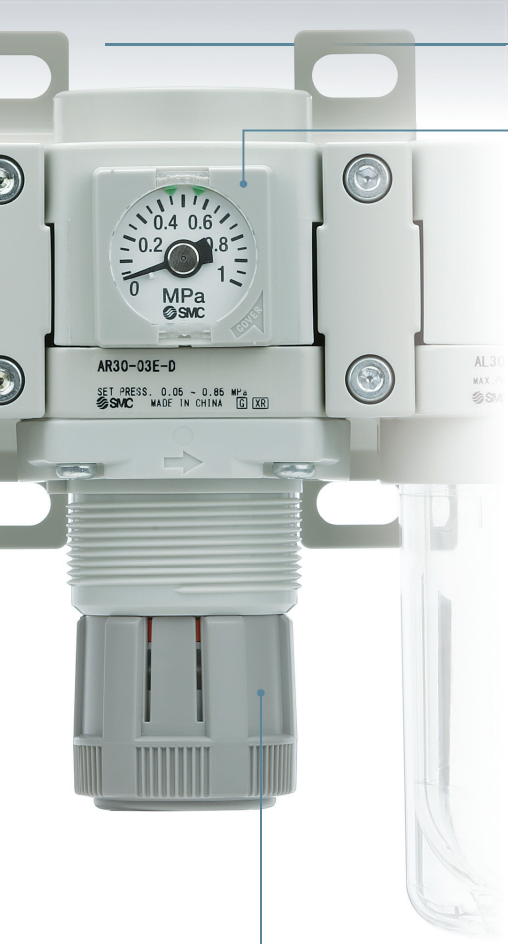


No tools are required.

Easier replacement of the element

* AF20-D to AF40-D only





Selection of pressure gauges



(Right angle)
Square embedded
type pressure gauge



Round type
pressure gauge



Digital pressure switch

Open/close type gauge cover

- 1 Open the gauge cover.
- 2 Adjust the indicator to a specified position.
- 3 Close the gauge cover.

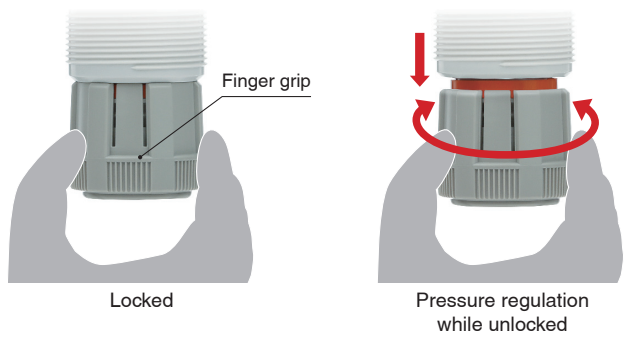
Open the gauge cover in the direction of the arrow with your fingertips.

Adjust the indicator using a flat blade screwdriver.

Close the gauge cover in the direction of the arrow and push it in until it clicks in place.

Easy to handle

Easy to hold when unlocked



Mounting (Single unit)

The mounting pitch for panel mounting is interchangeable between the AR20(K)-D to AR40(K)-06-D and the AR(K)-B series and between the AW20(K)-D to AW40(K)-06-D and the AW(K)-B series. The brackets and set nuts are the same for both existing and new products.

| Series | Body size | | | | | Details |
|------------|-----------|----|----|----|----|---------|
| | 20 | 30 | 40 | 50 | 60 | |
| AF | | | | | | p. 75 |
| AFM AFD | | | | | | p. 86 |
| AR(K) | | | | | | p. 95 |
| AW(K) | | | | | | p. 116 |
| AL | | | | | | p. 107 |

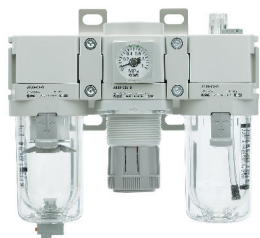
Series Configuration

AC20 to AC60 Series

p. 17

Air Filter + Regulator + Lubricator

AF AR AL



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | ● | ● |
| Size 60 | | | | | | ● |

AC20A to AC60A Series

p. 25

Filter Regulator + Lubricator

AW AL



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | ● | ● |
| Size 60 | | | | | | ● |

AC20B to AC60B Series

p. 31

Air Filter + Regulator

AF AR



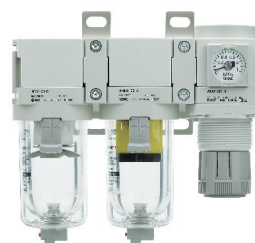
| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | ● | ● |
| Size 60 | | | | | | ● |

AC20C to AC40C Series

p. 39

Air Filter + Mist Separator + Regulator

AF AFM AR



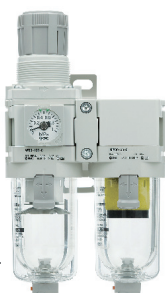
| | Port size | | | | |
|------------|-----------|-----|-----|-----|-----|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 |
| Size 20 | ● | ● | | | |
| Size 30 | | ● | ● | | |
| Size 40 | | ● | ● | ● | |
| Size 40-06 | | | | | ● |

AC20D to AC40D Series

p. 47

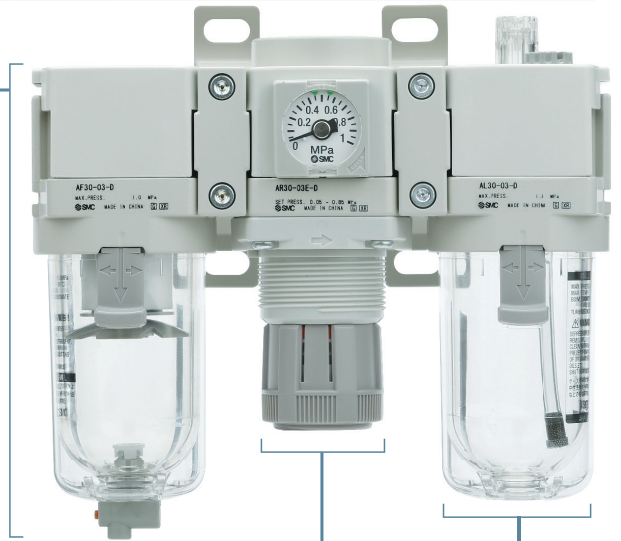
Filter Regulator + Mist Separator

AW AFM




| | Port size | | | | |
|------------|-----------|-----|-----|-----|-----|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 |
| Size 20 | ● | ● | | | |
| Size 30 | | ● | ● | | |
| Size 40 | | ● | ● | ● | |
| Size 40-06 | | | | | ● |

Table of Modular F.R.L. Unit Combinations for AC Assembly



Air Filter
AF Series


p. 73



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | ● | ● |
| Size 60 | | | | | | ● |

Mist Separator
Micro Mist Separator
AFM/AFD Series


p. 84



| | Port size | | | | |
|------------|-----------|-----|-----|-----|-----|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 |
| Size 20 | ● | ● | | | |
| Size 30 | | ● | ● | | |
| Size 40 | | ● | ● | ● | |
| Size 40-06 | | | | | ● |
| Size 50 | | | | | |
| Size 60 | | | | | ● |

Regulator
AR Series


p. 92



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | ● | | |
| Size 50 | | | | ● | ● | |
| Size 60 | | | | | | ● |

Regulator with Backflow Function
AR□K Series


p. 92



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | ● | | |
| Size 50 | | | | ● | ● | |
| Size 60 | | | | | | ● |

Filter Regulator
AW Series


p. 112



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | | ● |
| Size 60 | | | | | | ● |

Filter Regulator with Backflow Function
AW□K Series

p. 112



| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | | ● |
| Size 60 | | | | | | ● |

New Spacer p. 57



Interchangeable with the existing model

- The new spacer can be connected to the existing AF-A, AR-B, AL-A, and AW-B series.

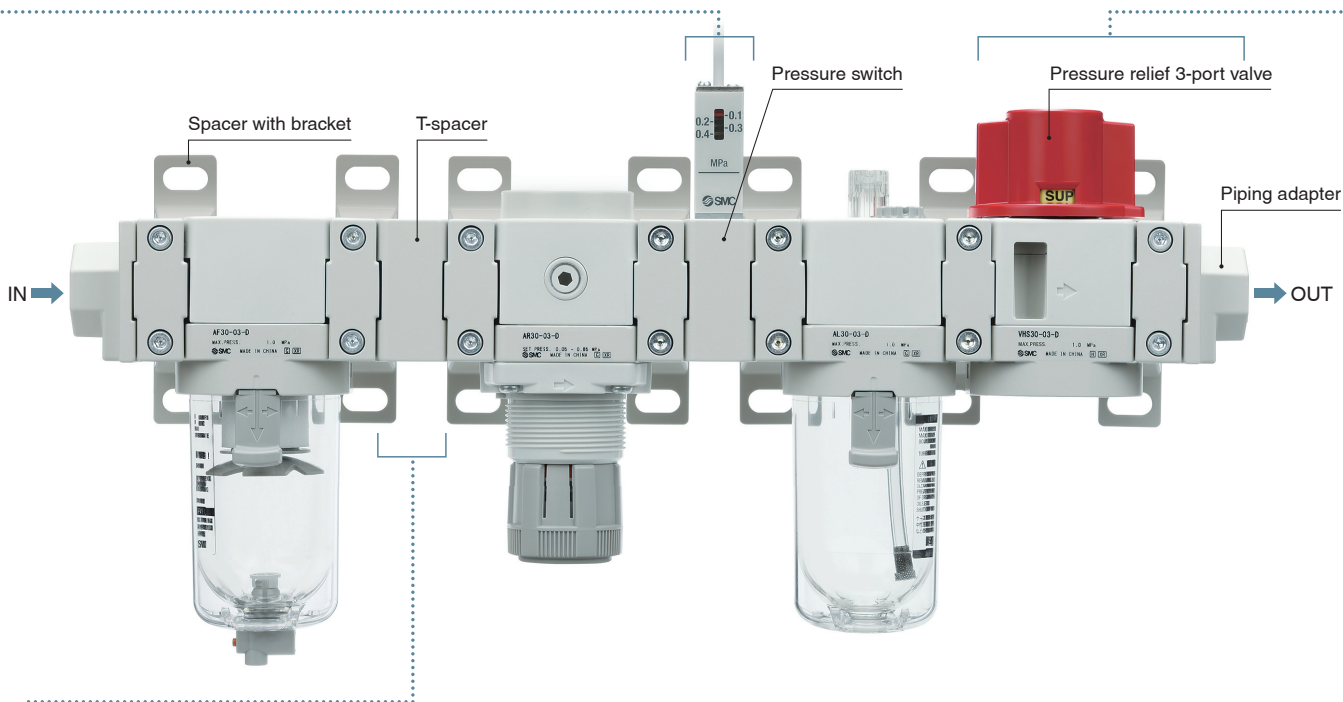
Lubricator
AL Series

p. 105







| | Port size | | | | | |
|------------|-----------|-----|-----|-----|-----|---|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Size 20 | ● | ● | | | | |
| Size 30 | | ● | ● | | | |
| Size 40 | | ● | ● | ● | | |
| Size 40-06 | | | | | ● | |
| Size 50 | | | | | ● | ● |
| Size 60 | | | | | | ● |

Attachment List







Spacers

| T-Spacer Y□10 Series | Cross Spacer Y□4 Series | Spacer Y□□ Series | Spacer with Bracket Y□□T Series |
|--|--|--|---|
| Piping in 2 directions is possible (upward or downward). p. 62 | Piping in all 4 directions is possible. p. 63 | p. 57 | p. 57 |
|  Slim type*1 |  Front and back port selectable type*1 |  |  |

*1 The mounting pitch is interchangeable with the existing attachment.

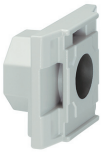







Pressure Switches

A compact, integrated pressure switch can be easily installed to facilitate the pressure detection of the line.

| Pressure Switch with T-Spacer IS10T Series | Pressure Switch with L-Shaped Piping Adapter IS10L Series | Pressure Switch IS10M Series | Pressure Switch with Piping Adapter IS10E Series |
|---|---|---|--|
| The OUT side piping can be branched downward. p. 65 | OUT side piping: Downward p. 66 | p. 64 | A piping adapter allows for the installation/removal of the component without removing the piping. p. 67 |
|  |  |  Slim type*1 |  |

*1 The mounting pitch is interchangeable with the existing attachment.

Piping Adapters

| | | | |
|--|--|---|--|
| <p>Piping Adapter E□00 Series</p> <p>A piping adapter allows for the installation/removal of the component without removing the piping.</p> <p>p. 59</p>  | <p>L-Shaped Piping Adapter E□00L Series</p> <p>Upward or downward piping is possible on the inlet side and the outlet side of F.R.L. units.</p> <p>p. 60</p>  | <p>T-Shaped Piping Adapter E□00T Series</p> <p>Both upward and downward piping are possible on the inlet and outlet sides of F.R.L. units.</p> <p>p. 61</p>  | <p>Pressure Relief 3-Port Valve VHS Series</p> <p>By using a pressure relief 3-port valve, pressure left in the line can be easily exhausted.</p> <p>p. 58</p>  |
| <p>New Right Angle Adapter E□10T Series</p> <p>Allows for modular connection with the product rotated 90 degrees</p> <p>p. 68</p>  | <p>New Reducing Adapter E□10R Series</p> <p>Allows for modular connection with products 1 body size larger or smaller</p> <p>p. 68</p>  | <p>New Cross Adapter Y□4M Series</p> <p>Allows for devices to be connected on the top, bottom, left, and right</p> <p>p. 69</p>  | <p>New End Plate E□00E Series</p> <p>For blocking the unused piping ports on sides without a modular connection</p> <p>p. 70</p>  |

Space-saving design and reduced piping labour

Space-saving

Max. **16.4 %***1 reduction
 Approx. **46 mm** ← Approx. **55 mm**
 *1 For size 30

Reduced piping labour

Number of screw-in connections
1 location ← **2 locations**

