Modular F.R.L. Units

RoHS

Modular Design with Uniform Body Style

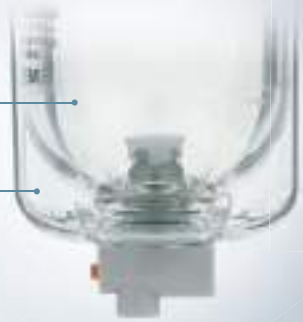
Better visibility & environmental resistance

2-layer construction

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.



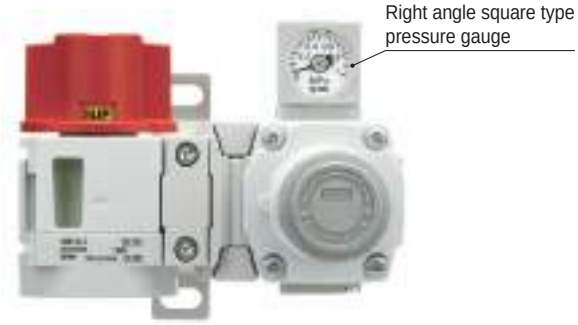
Inner bowl
Material: Polycarbonate

Transparent bowl guard
Material: Polycarbonate

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

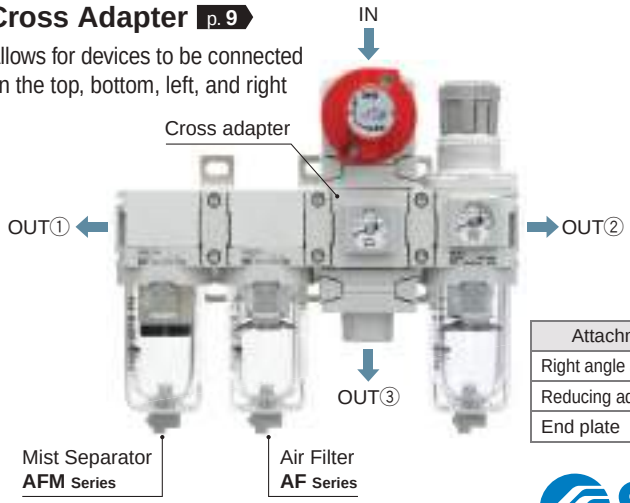
Right Angle Square Type Pressure Gauge p. 8

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



AC Series

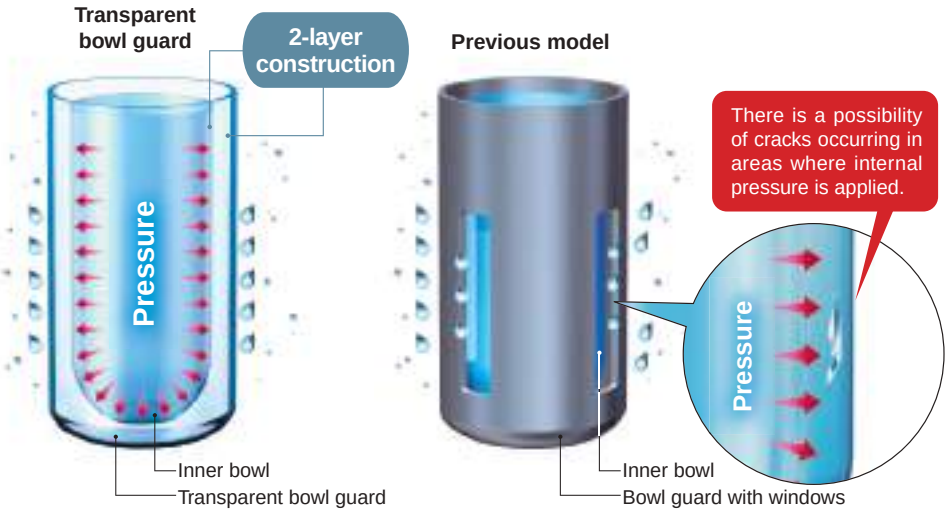
SMC

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

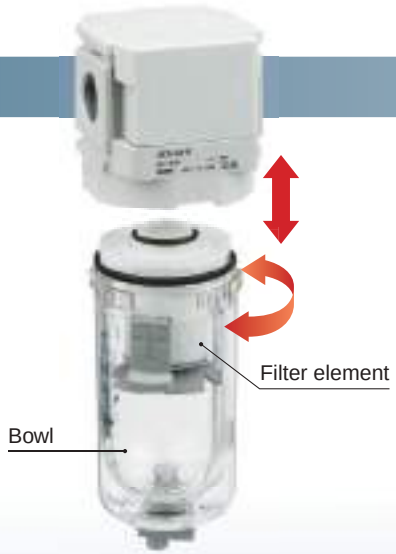
* Body sizes 30 and larger

Air Filter **AF**	Mist Separator **AFM**	Micro Mist Separator **AFD**	Filter Regulator **AW(K)**	Lubricator **AL**

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

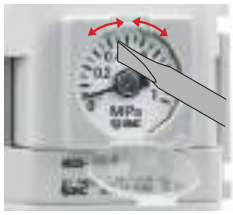
Digital pressure switch

Open/close type gauge cover

❶ Open the gauge cover.

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

❷ Adjust the indicator to a specified position.



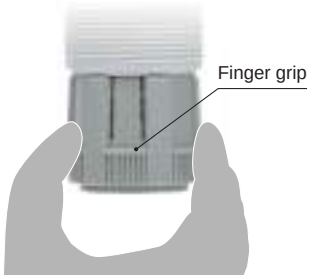
Adjust the indicator using a flat blade screwdriver.

❸ Close the gauge cover.

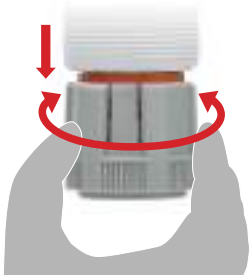
Close the gauge cover in the direction of the arrow and push it in until it clicks in place.

Easy to handle

Easy to hold when unlocked



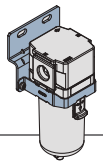
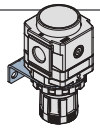
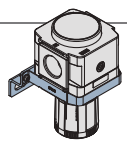
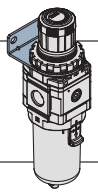
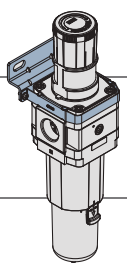
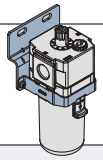
Locked



Pressure regulation
while 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

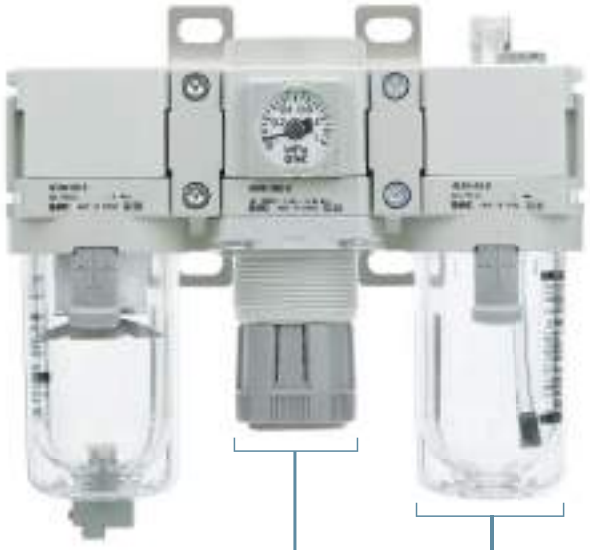
p. 47

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

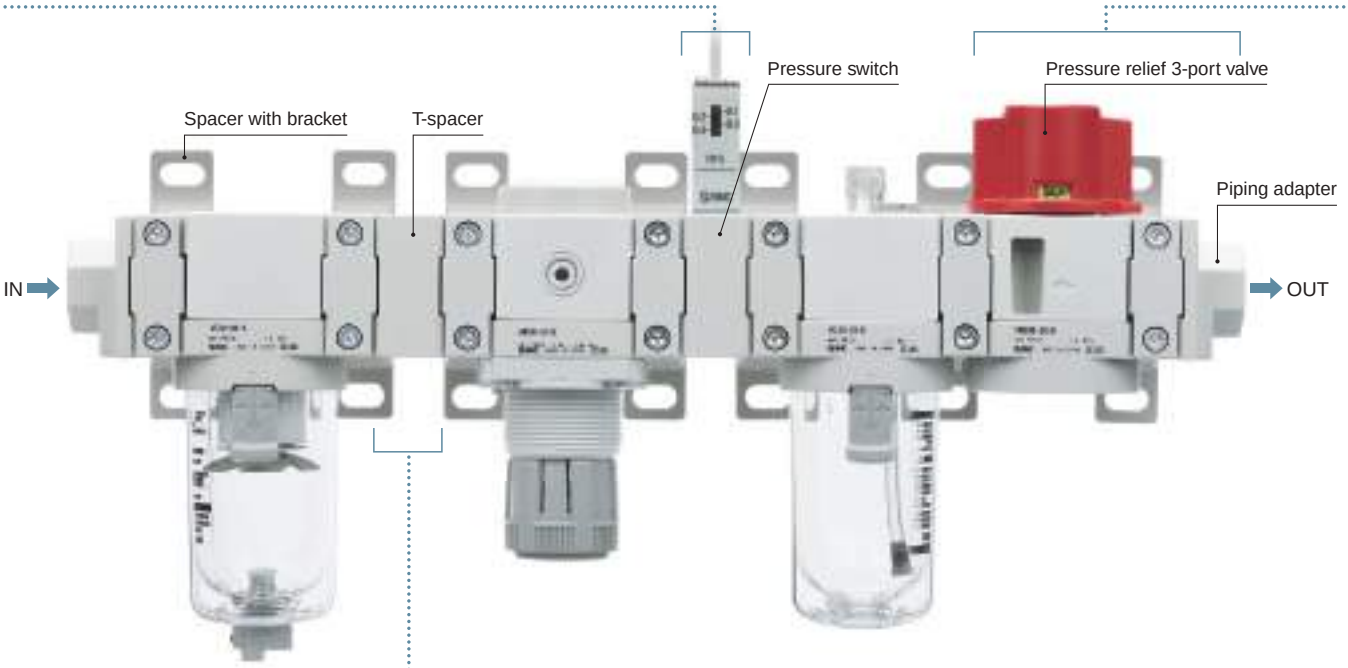
- The new spacer can be connected to the existing AF-A, AR-B, AL-A, and AW-B series.

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  Slim type∗1	Piping in all 4 directions is possible. p. 63  Front and back port selectable type∗1	p. 57 	p. 57 

∗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  Slim type∗1	A piping adapter allows for the installation/removal of the component without removing the piping. p. 67 

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

Piping Adapters

Piping Adapter
E□00 Series

A piping adapter allows for the installation/removal of the component without removing the piping.

p. 59

L-Shaped Piping Adapter
E□00L Series

Upward or downward piping is possible on the inlet side and the outlet side of F.R.L. units.

p. 60

T-Shaped Piping Adapter
E□00T Series

Both upward and downward piping are possible on the inlet and outlet sides of F.R.L. units.

p. 61

New Right Angle Adapter
E□10T Series

Allows for modular connection with the product rotated 90 degrees

p. 68

New Reducing Adapter
E□10R Series

Allows for modular connection with products 1 body size larger or smaller

p. 68

New Cross Adapter
Y□4M Series

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

p. 69

New End Plate
E□00E Series

For blocking the unused piping ports on sides without a modular connection

p. 70

Pressure Relief 3-Port Valve

Pressure Relief 3-Port Valve
VHS Series

By using a pressure relief 3-port valve, pressure left in the line can be easily exhausted.

p. 58

Space-saving design and reduced piping labour

Space-saving

Max. 16.4 %*1 reduction

Approx. 46 mm ← Approx. 55 mm

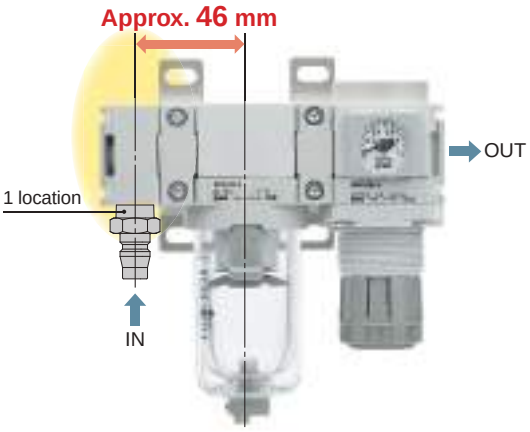
*1 For size 30

Reduced piping labour

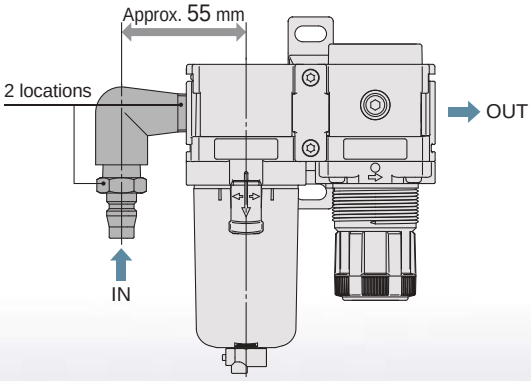
Number of screw-in connections

1 location ← 2 locations

New When using an L-shaped piping adapter



When using a street elbow*1 *1 Commercially available

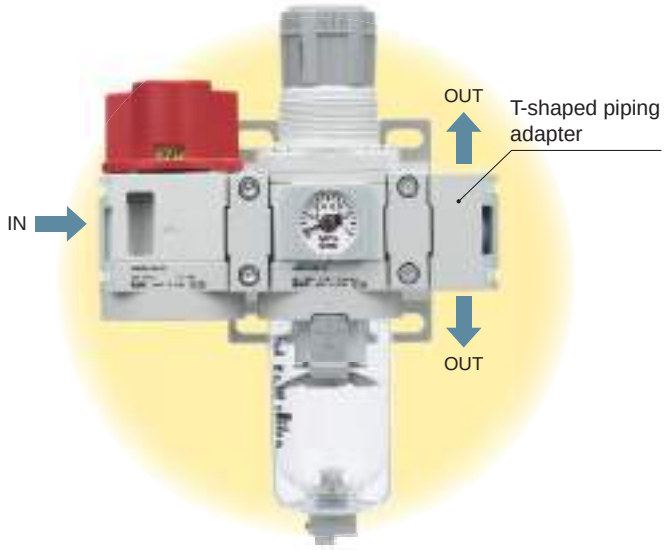


Improved piping design flexibility

T-shaped Piping Adapter

Air can be released either upward or downward. p. 61

∗ Size: 20 to 60



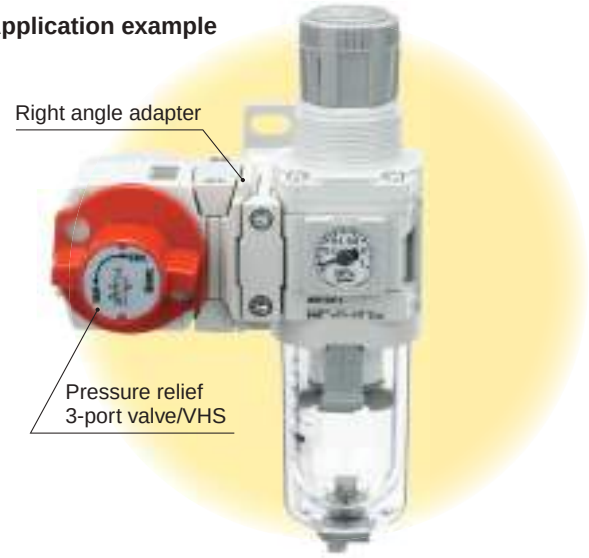
Existing model

Right Angle Adapter

Modular connection with the product rotated 90 degrees is possible. p. 68

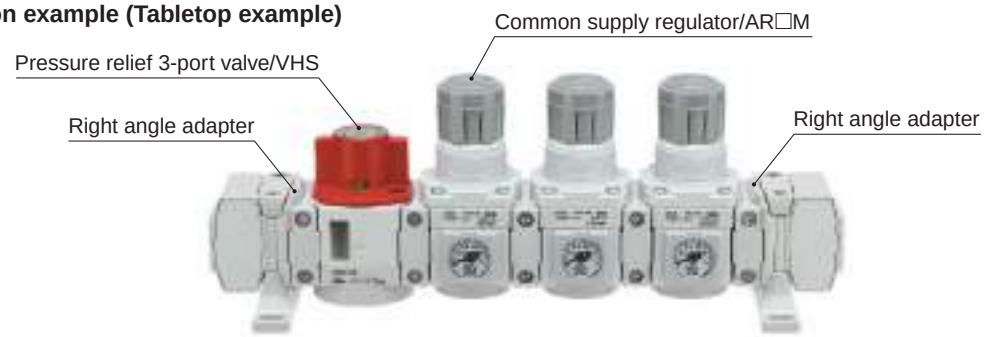
∗ Size: 20 to 40

Application example



Existing model

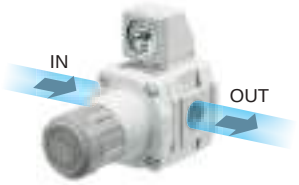
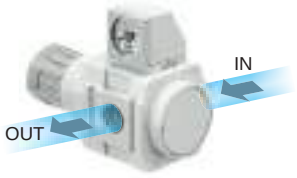
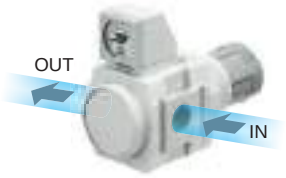
Application example (Tabletop example)

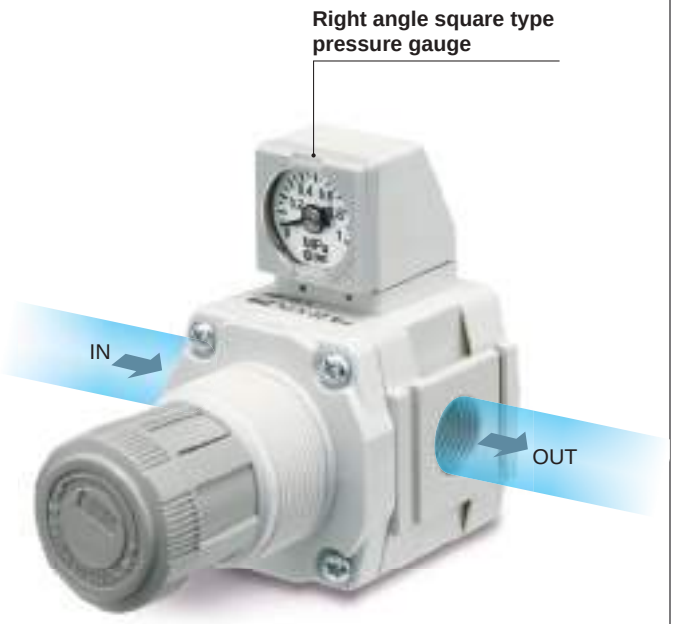


The direction the pressure gauge faces can be changed freely.

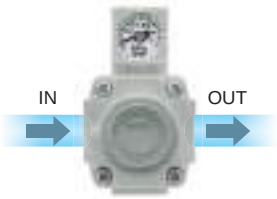
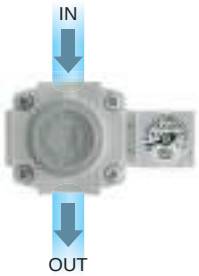
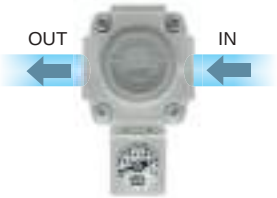
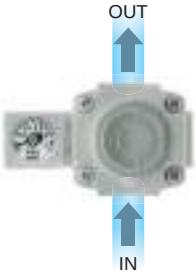
Right Angle Square Type Pressure Gauge

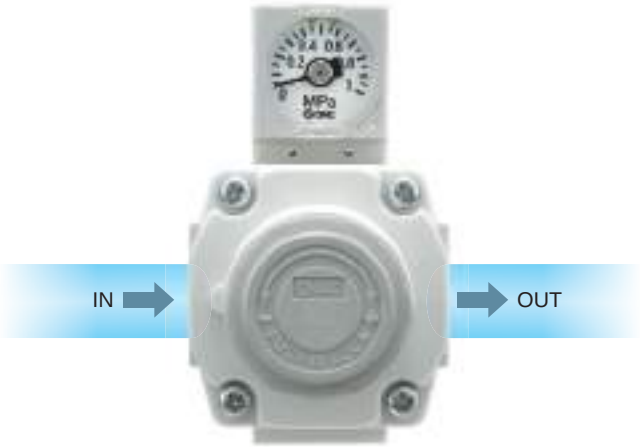
The direction the pressure gauge faces can be changed in 90° increments depending on where the pressure gauge needs to be viewed from.

Pressure gauge direction	
Standard direction (At the time of shipment)	**Direction 1**
	
Direction 2	**Direction 3**
	



The direction the pressure gauge scale plate faces can also be changed in 90° increments depending on the piping direction.

Scale plate direction	
Standard direction (At the time of shipment)	**Direction 1**
	
Direction 2	**Direction 3**
	

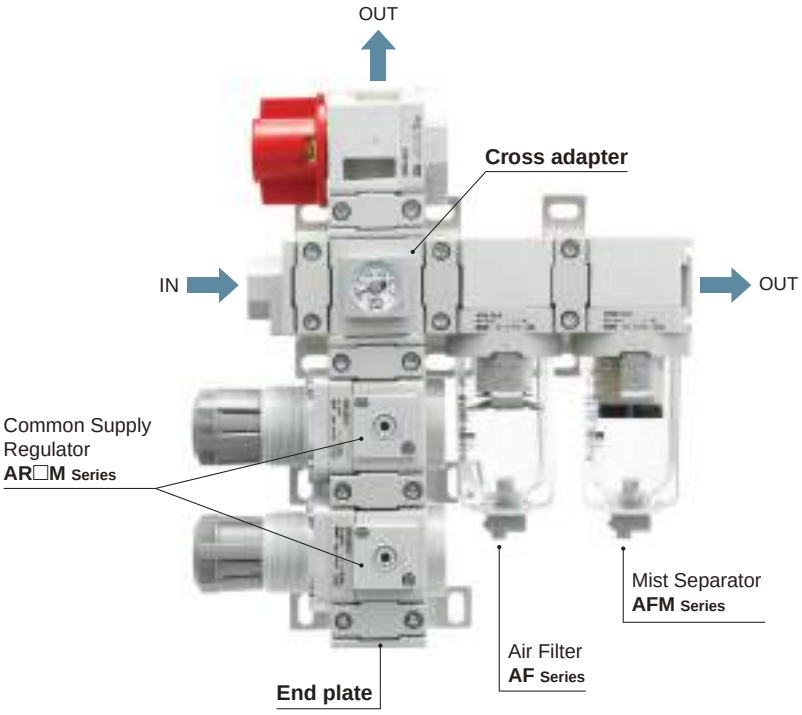


Improved piping design flexibility

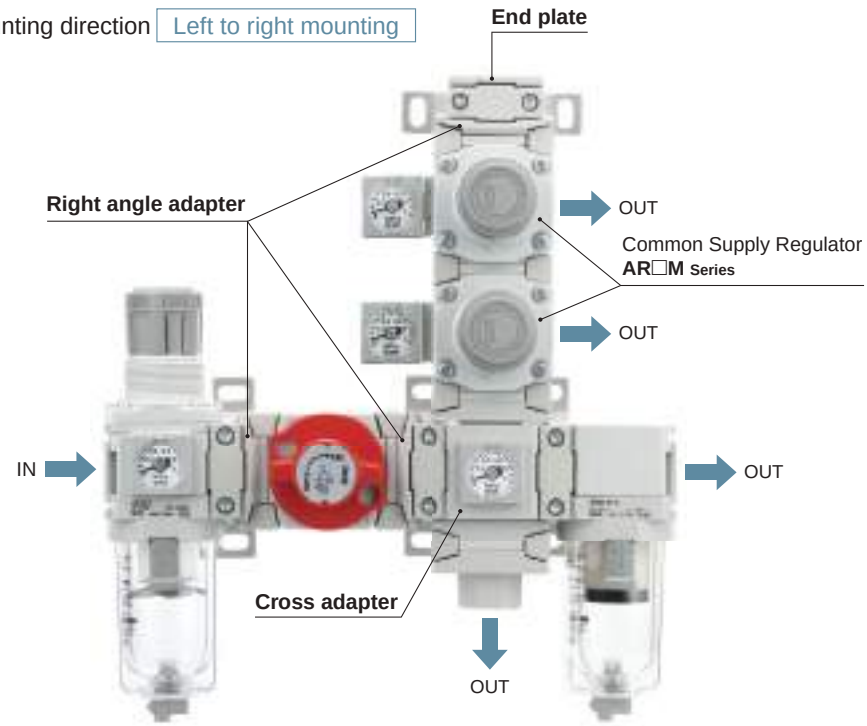
Cross Adapter

Allows for devices to be connected on the top, bottom, left, and right with the use of a spacer between the product and each device p. 69

Top/bottom spacer mounting direction **Front to back mounting**



Top/bottom spacer mounting direction **Left to right mounting**



Size conversion is possible Flow capacity UP Extended maintenance cycle

Reducing Adapter

Modular connection with products 1 size larger (or 1 size smaller) is possible. p. 68

Convertible sizes
Size 20 ⟷ Size 30
Size 30 ⟷ Size 40

● Example of connection with an air preparation filter 1 size larger

When using the reducing adapter

AR30 + AFF**40** + AM**40** + AMD**40**

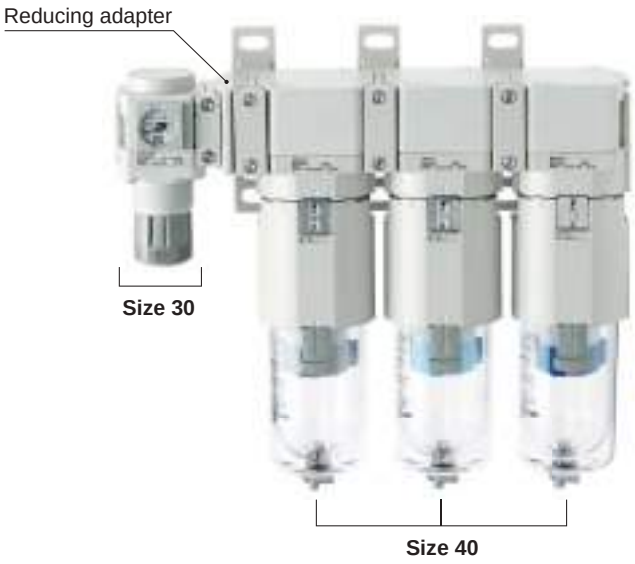
1500 l/min (ANR)∗1

Size UP

Existing model

AR30 + AFF**30** + AM**30** + AMD**30**

750 l/min (ANR)∗1



∗1 When at the max. flow capacity

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 (additional machining, accessory assembly, or the designing of a modular unit) and deliver your personalized products as quickly as standard products.

Repeat orders

Once we receive a simple special part number from one of your previous orders, we will process the order, manufacture the product, and deliver it to you as quickly as possible.

Please contact your local sales representative for more details.

Examples of Simple Specials

Combination example ❶

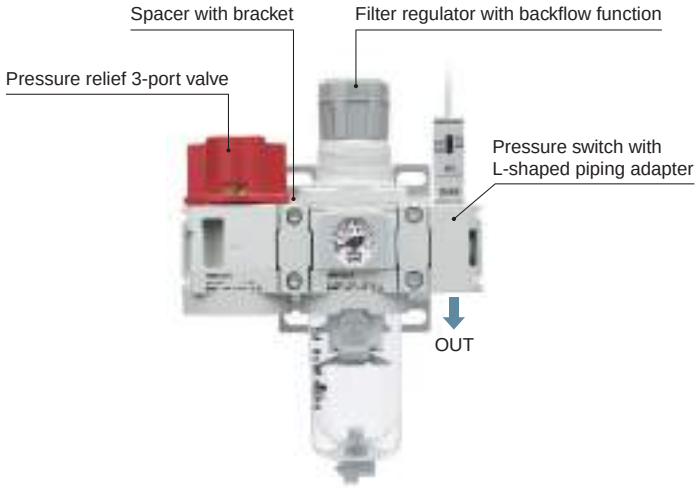
＊ Please contact your local sales representative for ordering procedures.

Pressure relief 3-port valve
VHS30-03-D ····· 1 pc.

Spacer with bracket
Y300T-D ····· 2 pcs.

Filter regulator with backflow function
AW30K-03E-D ····· 1 pc.

Pressure switch with
L-shaped piping adapter
IS10L-30-03-D ····· 1 pc.



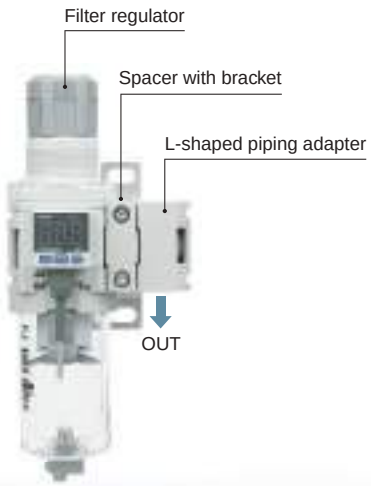
Combination example ❷

＊ Please contact your local sales representative for ordering procedures.

Filter regulator
AW30-03E1-D ····· 1 pc.

Spacer with bracket
Y300T-D ····· 1 pc.

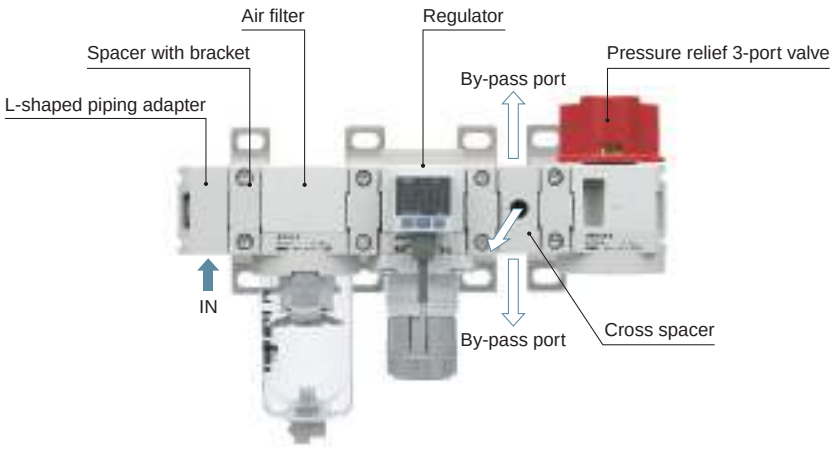
L-shaped piping adapter
E300L-03-D ····· 1 pc.



Combination example 3

* Please contact your local sales representative for ordering procedures.

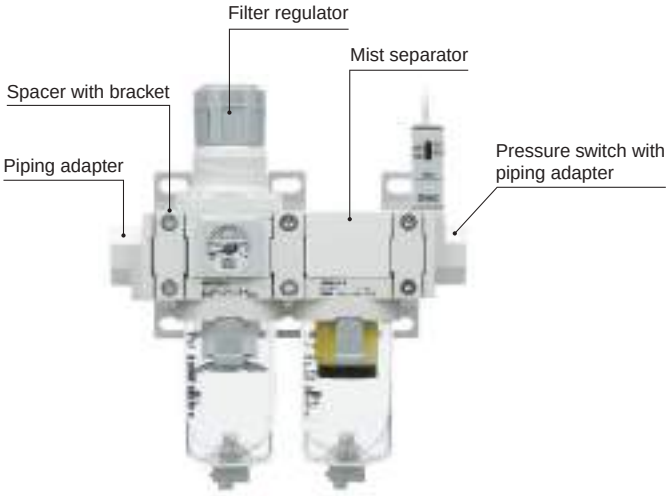
L-shaped piping adapter
E300L-03-D ····· 1 pc.
Spacer with bracket
Y300T-D ····· 4 pcs.
Air filter
AF30-03-D ····· 1 pc.
Regulator
AR30-03E1-D ····· 1 pc.
Cross spacer
Y34-03-D ····· 1 pc.
Pressure relief 3-port valve
VHS30-03-D ····· 1 pc.



Combination example 4

* Please contact your local sales representative for ordering procedures.

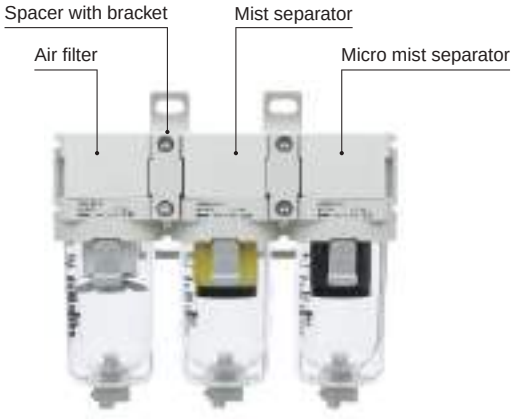
Piping adapter
E300-03-D ····· 1 pc.
Spacer with bracket
Y300T-D ····· 3 pcs.
Filter regulator
AW30-03E-D ····· 1 pc.
Mist separator
AFM30-03-D ····· 1 pc.
Pressure switch with piping adapter
IS10E-30-03-D ····· 1 pc.



Combination example 5

* Please contact your local sales representative for ordering procedures.

Air filter
AF30-03-D ····· 1 pc.
Spacer with bracket
Y300T-D ····· 2 pcs.
Mist separator
AFM30-03-D ····· 1 pc.
Micro mist separator
AFD30-03-D ····· 1 pc.



Combination example 6

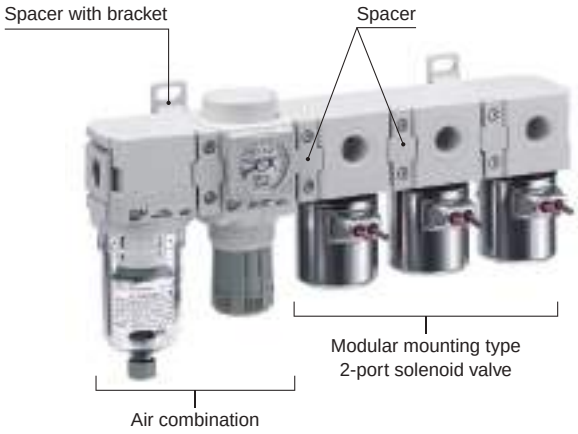
* Please contact your local sales representative for ordering procedures.

Air combination
AC20B-02E-D ····· 1 pc.

Modular mounting type
2-port solenoid valve
JSXM21-AN302R-5G-U-F ····· 3 pcs.

Spacer with bracket
Y200T-D ····· 1 pc.

Spacer
Y200-D ····· 2 pcs.



Combination example 7

* Please contact your local sales representative for ordering procedures.

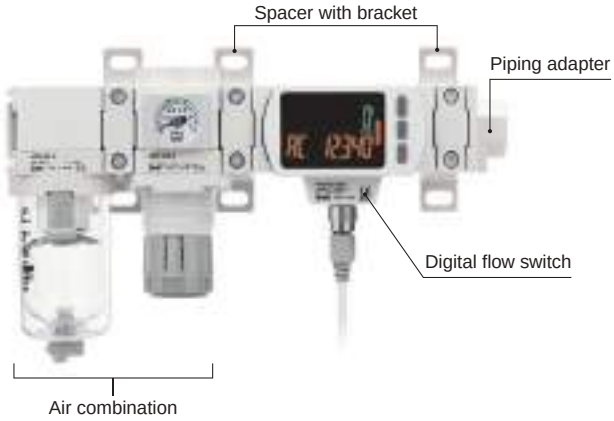
Digital flow switch
PF3A701H-CS-M ····· 1 pc.

Air combination
AC30B-03E-D ····· 1 pc.

Spacer with bracket
Y300T-D ····· 2 pcs.

Piping adapter
E300-03-D ····· 1 pc.

* Avoid mounting the lubricator on the inlet side.
* If a pressure relief 3 -port valve is installed on the inlet side of the digital flow switch, causing a backflow of air, the measured value will change.



Combination example 8

* Please contact your local sales representative for ordering procedures.

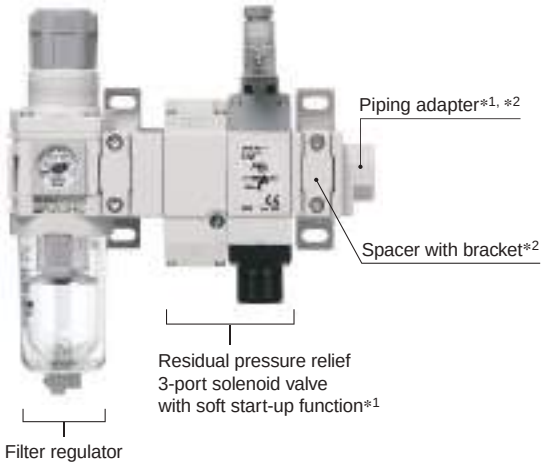
Filter regulator
AW30-03E-D ····· 1 pc.

Residual pressure relief
3-port solenoid valve
with soft start-up function
VP546E-5DZ1-S ····· 1 pc.

Spacer with bracket
Y300T-D ····· 2 pcs.

Piping adapter
E300-03-D ····· 1 pc.

*1 Connection threads are not available for the residual pressure relief 3 -port solenoid valve. Select a piping adapter.
*2 Refer to pages 5 7 and 5 9 for details on the spacer with bracket and piping adapter.



Connectable Modular Components

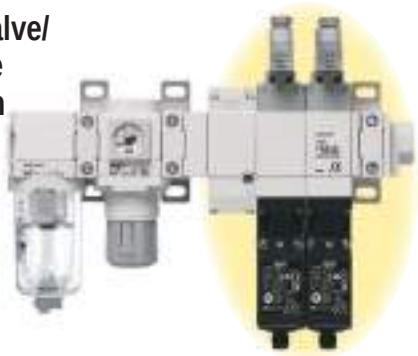
Common Supply Regulator
AR□M(K)-D

Residual Pressure Relief 3-Port Solenoid Valve
VP546E/746E

Mist Separator Regulator
AWM-D

Micro Mist Separator Regulator
AWD-D

3-Port Solenoid Valve/ Residual Pressure Release Valve with Detection of Main Valve Position
VP546/746



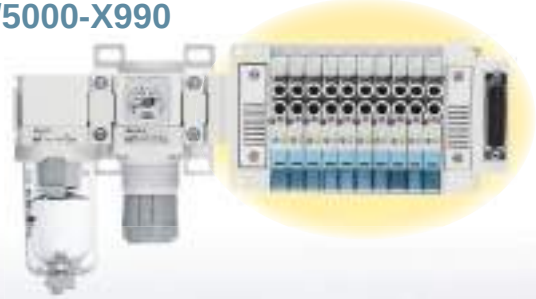
Compressed Air Preparation Filter
Line Filter **AFF**
Mist Separator **AM**
Micro Mist Separator **AMD**
Activated Carbon Filter **AMK**

Direct Operated/Pilot Operated 2-Port Solenoid Valve
JSX/JSX□

OSHA Standard Compliant Pressure Relief 3-Port Valve with Locking Holes
VHS□-D/VHS□W-D

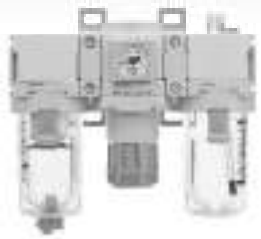
3-Colour Display Digital Flow Switch
PF3A7/8□H(-L)

5-Port Solenoid Valve
SY3000/5000-X990



CONTENTS

Modular F.R.L. Units ***AC Series***



Modular Type Air Filter AF Series

Modular Type Mist Separator/Micro Mist Separator AFM/AFD Series

Modular Type Regulator AR Series

Modular Type Lubricator AL Series

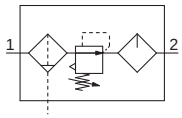
Modular Type Filter Regulator AW Series

Air Combination

Air Filter + Regulator + Lubricator

AC20-D to AC60-D

Symbol



How to Order

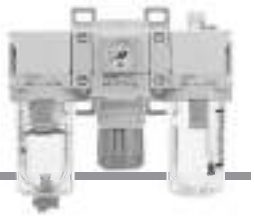
AC 30 – ❑ 03 DE – ❑ – ❑❑ – D

❶ ❷ ❸ ❹ ❺ ❻

Option and Semi-standard Symbol Selection

· Select one each for **a** to **j**.
· When more than one specification is required, indicate in alphanumeric order.
Example) AC30-F03DE1-16NR-D

			Symbol	Description	❶ Body size 20	30	40	50	60
❷	Pipe thread type		—	Rc	●	●	●	●	●
			N[*1]	NPT	●	●	●	●	●
			F[*2]	G	●	●	●	●	●
❸	Port size		**01**	1/8	●	—	—	—	—
			02	1/4	●	●	●	—	—
			03	3/8	—	●	●	—	—
			04	1/2	—	—	●	—	—
			06	3/4	—	—	●	●	—
			10	1	—	—	—	●	●
❹	Option[*3]	**a** Float type auto drain	—	Without auto drain	●	●	●	●	●
			C[*4]	N.C. (Normally closed) Drain port is closed when pressure is not applied.	●	●	●	●	●
			D[*5]	N.O. (Normally open) Drain port is open when pressure is not applied.	—	●	●	●	●
		b Pressure gauge[*6]	—	Without pressure gauge	●	●	●	●	●
			E	Square embedded type pressure gauge (with limit indicator)	●	●	●	●	●
			G	Round type pressure gauge (with limit indicator)	●	●	●	●	●
			M	Round type pressure gauge (with colour zone)	●	●	●	●	●
		b Digital pressure switch	**E1**	Output: NPN output, Electrical entry: Wiring bottom entry	●	●	●	●	●
			E2	Output: NPN output, Electrical entry: Wiring top entry	●	●	●	●	●
			E3	Output: PNP output, Electrical entry: Wiring bottom entry	●	●	●	●	●
			E4	Output: PNP output, Electrical entry: Wiring top entry	●	●	●	●	●
❺	Attachment	**c** Pressure relief 3-port valve	—	Without attachment	●	●	●	●	●
			V	Mounting position: AF + AR + AL + **V**	●	●	●	●	—
❻	Semi-standard	**d** Set pressure[*7]	—	0.05 to 0.85 MPa setting	●	●	●	●	●
			1	0.02 to 0.2 MPa setting	●	●	●	●	●
		e Bowl[*8]	—	Polycarbonate bowl	●	●	●	●	●
			2	Metal bowl	●	●	●	●	●
			6	Nylon bowl	●	●	●	●	●
			8	Metal bowl with level gauge	—	●	●	●	●
			C	With bowl guard	●	—[*9]	—[*9]	—[*9]	—[*9]
			6C	With bowl guard (Nylon bowl)	●	—[*10]	—[*10]	—[*10]	—[*10]
		f Air filter drain port[*11]	—	With drain cock	●	●	●	●	●
			J[*12]	Drain guide 1/8	●	—	—	—	—
				Drain guide 1/4	—	●	●	●	●
			W[*13]	Drain cock with barb fitting (for Ø 6 x Ø 4 nylon tube)	—	●	●	●	●
		g Lubricator lubricant exhaust port	—	Without drain cock	●	●	●	●	●
			3[*14]	Lubricator with drain cock	●	●	●	●	●



AC30-D

		Symbol	Description	❶ Body size 20	30	40	50	60
❻ Semi-standard	h Exhaust mechanism	—	Relieving type	●	●	●	●	●
		N	Non-relieving type	●	●	●	●	●
		+						
	i Flow direction	—	Flow direction: Left to right	●	●	●	●	●
		R	Flow direction: Right to left	●	●	●	●	●
		+						
	j Unit	—	Unit on product label: MPa, °C, Pressure gauge in SI units: MPa	●	●	●	●	●
		Z∗15	Unit on product label: psi, °F, Pressure gauge: MPa/psi dual scale	○∗17	○∗17	○∗17	○∗17	○∗17
		ZA∗16	Digital pressure switch: With unit selection function	△∗18	△∗18	△∗18	△∗18	△∗18

∗1 Drain guide is NPT1/8 (applicable to the AC20-D) and NPT1/4 (applicable to the AC30-D to AC60-D). The auto drain port comes with a Ø 3/8" One-touch fitting (applicable to the AC30-D to AC60-D).
∗2 Drain guide is G1/8 (applicable to the AC20-D) and G1/4 (applicable to the AC30-D to AC60-D).
∗3 Options G and M are not assembled and supplied loose at the time of shipment.
∗4 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.
∗5 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 the start of operations. N.C. type is recommended.
∗6 When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.85 MPa) type. 0.4 MPa pressure gauge for 0.2 MPa type.
∗7 Pressure can be set higher than the specification pressure in some cases, but use pressure within the specification range.
∗8 Refer to chemical data on pages 83 and 111 for chemical resistance of the bowl.
∗9 A bowl guard is provided as standard equipment (polycarbonate).
∗10 A bowl guard is provided as standard equipment (nylon).
∗11 The combination of float type auto drain C and D is not available.
∗12 Without a valve function
∗13 The combination of metal bowl 2 and 8 is not available.
∗14 When choosing with W: Air filter drain port, the drain cock of a lubricator will be with barb fittings.
∗15 For the pipe thread type: NPT
This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)
Cannot be used with M: Round type pressure gauge (with colour zone). Available by request for special.
The digital pressure switch will be equipped with the unit selection function, setting to psi initially.
∗16 For options: E1, E2, E3, E4
This product is for overseas use only according to the New Measurement Act. (The SI unit is provided for use in Japan.)
∗17 ○: For the pipe thread type: NPT only
∗18 △: Select with options: E1, E2, E3, E4.

Standard Specifications

Model			AC20-D	AC30-D	AC40-D	AC40-06-D	AC50-D	AC60-D
Component	Air Filter	[AF]	AF20-D	AF30-D	AF40-D	AF40-06-D	AF50-D	AF60-D
	Regulator	[AR]	AR20-D	AR30-D	AR40-D	AR40-06-D	AR50-D	AR60-D
	Lubricator	[AL]	AL20-D	AL30-D	AL40-D	AL40-06-D	AL50-D	AL60-D
Port size			1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1
Pressure gauge port size∗1		[AR]	1/8					
Fluid			Air					
Ambient and fluid temperatures∗2			-5 to 60 °C (No freezing)					
Proof pressure			1.5 MPa					
Max. operating pressure			1.0 MPa					
Auto drain minimum operating pressure	N.C.	[AF]	0.1 MPa	0.15 MPa				
	N.O.	[AF]	—	0.1 MPa				
Set pressure range		[AR]	0.05 to 0.85 MPa					
Nominal filtration rating∗3		[AF]	5 μm					
Compressed air purity class∗4			ISO 8573-1:2010 [6 : 4 : –]∗5					
Drain capacity		[AF]	8 cm³	25 cm³	45 cm³			
Min. dripping flow rate∗6		[AL]	15 l/min (ANR)	Port size 1/4: 30 l/min (ANR) Port size 3/8: 40 l/min (ANR)	Port size 1/4: 30 l/min (ANR) Port size 3/8: 40 l/min (ANR) Port size 1/2: 50 l/min (ANR)	50 l/min (ANR)	190 l/min (ANR)	220 l/min (ANR)
Oil capacity		[AL]	25 cm³	55 cm³	135 cm³			
Recommended lubricant		[AL]	Class 1 turbine oil (ISO VG32)					
Bowl material		[AF/AL]	Polycarbonate					
Bowl guard		[AF/AL]	Semi-standard (Steel)	Standard (Polycarbonate)				
Construction		[AR]	Relieving type					
Weight			0.38 kg	0.75 kg	1.42 kg	1.55 kg	3.34 kg	3.60 kg

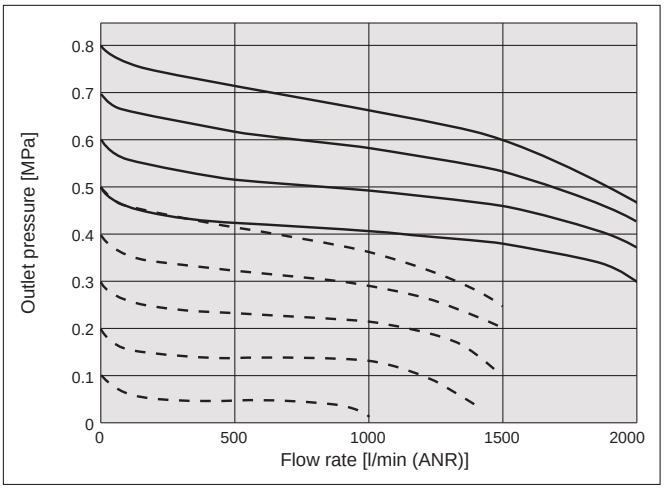
∗1 Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge or with a digital pressure switch.
∗2 -5 to 50 °C for the products with the digital pressure switch
∗3 For the following conditions in accordance with [Test condition: ISO 8573-4:2001 compliant, Test method ISO 12500-3:2009 compliant]
Conditions: When a new element is used, and the flow capacity, inlet pressure, and the amount of solid bodies on the filter inlet side are stable
∗4 The compressed air purity class is indicated based on ISO 8573-1:2010 Compressed air – Part 1: Contaminants and purity classes.
For details on this standard, refer to page 131.
∗5 The compressed air quality class on the inlet side is [7 : 4 : 4].
∗6 · The flow rate is 5 drops or greater/min under the following conditions: Inlet pressure of 0.5 MPa; Class 1 turbine oil (ISO VG32); Temperature at 20 °C; Oil adjustment valve fully open.
· For a circuit that repeatedly turns ON and OFF on the outlet side, make the adjustment so that the average air consumption per minute becomes the minimum dripping flow rate or more.

Flow Rate Characteristics (Representative values)

Inlet pressure: 1.0 MPa
Inlet pressure: 0.7 MPa

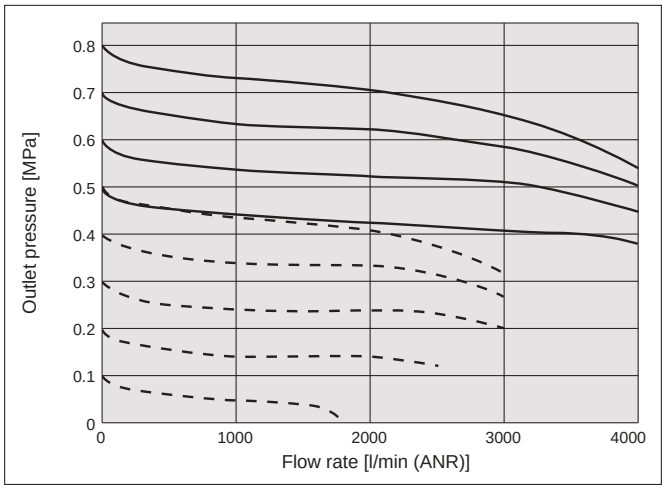
AC20-D

Rc1/4



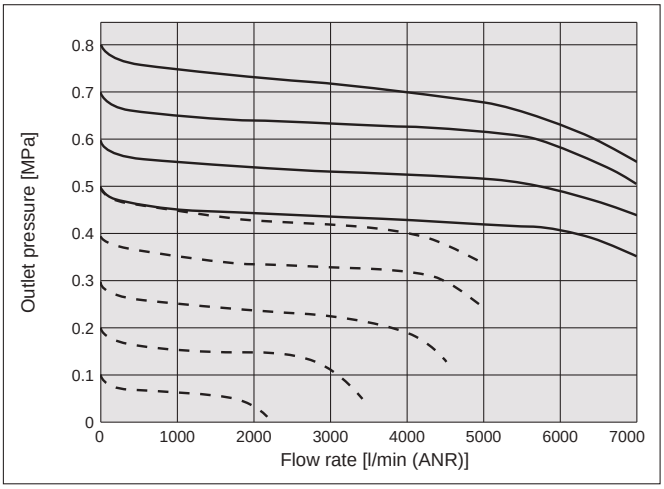
AC30-D

Rc3/8



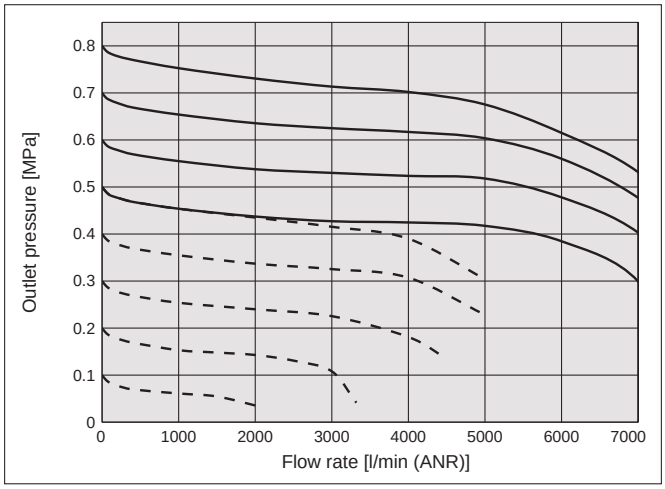
AC40-D

Rc1/2



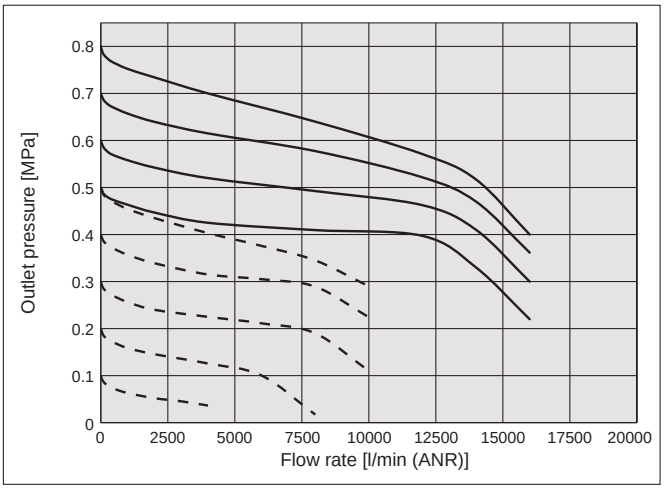
AC40-06-D

Rc3/4



AC50-D

Rc1



AC60-D

Rc1