

Filter/regulator Standard White Series

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

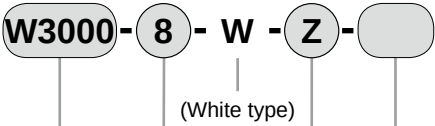
New Series of 5 µm element for dust removal, and 0.3 µm element for tar removal.

Port size: Rc1/8 to Rc1

JIS symbol



How to order



A Model No.

B Port size

C Option

D Other attachments

A Model No.				
W1000	W2000	W3000	W4000	W8000

Code	Description	W1000	W2000	W3000	W4000	W8000
B Port size						
6	Rc1/8	●				
8	Rc1/4	●	●	●	●	
10	Rc3/8		●	●	●	
15	Rc1/2			●	●	
20	Rc3/4					●
25	Rc1					●

C Option			*1				
Drain discharge	Blank	Manual drain cock	●	●	●	●	●
	F	Auto-drain, man OVRD (NO: no press→Exhaust)			●	●	●
	F1	Auto-drain, man OVRD (NC: no press→no exhaust)	●	●	●	●	●
	FF	Auto-drain, man OVRD (NO: no press→Exhaust)					●
Bowl material	Blank	Polycarbonate bowl	●	●	●	●	●
	Z	Nylon bowl	●	●	●	●	●
	M	Metal bowl			●	●	●
	M1 *3	Metal bowl with manual drain cock		●	●	●	●
Element	Blank	5 µm	●	●	●	●	●
	Y *4	0.3 µm (submicron)			●	●	●
Pressure range	Blank	0.05 to 0.85 MPa	●	●	●	●	●
	L	0.05 to 0.35 MPa	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●
	N	Non-relief	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401)	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●
	T6 *5	Digital pressure sensor PPX included option	●	●	●	●	●
	RN	Pressure switch with display PPR mounted (NPN output 1 point)	●		●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●

D Other attachments		W1000	W2000	W3000	W4000	W8000
Blank	Not included	●	●	●	●	●
G45P	G45D-8-P10(L:G45D-8-P04)	●	●	●	●	●
G49P	G49D-8-P10(L:G49D-8-P04)	●	●	●	●	●
G59P	G59D-8-P10(L:G59D-8-P04)	●		●	●	●
G40P	G40D-8-P10(L:G40D-8-P04)	●	●	●	●	●
G52P	G52D-8-P10(L:G52D-8-P10)	●	●	●	●	●
R2 *5	Digital pressure sensor: PPX-R10N-6M	●	●	●	●	●

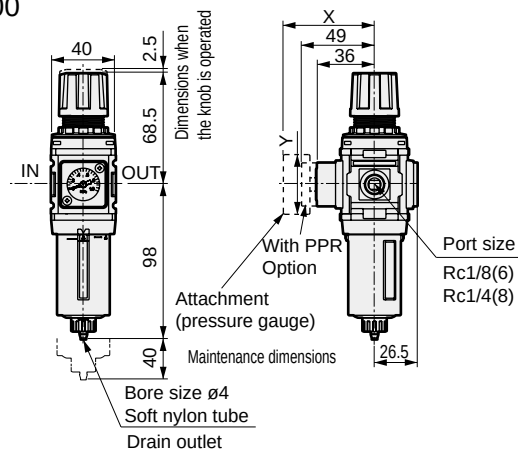
⚠ Precautions for model No. selection

- *1: Select options for the drainage, bowl material, element, and regulator.
When selecting options for several items, list options in order from the top.
- *2: Refer to page 354 for the auto-drain working conditions.
- *3: A manual drain cock is included with all drainage types.
- *4: Refer to "Pneumatic, Vacuum, and Auxiliary Components" (CB-024SA) for max. processing flow rate when option "Y" is selected.
- *5: When the option "T6" is selected, only "Blank" or "R2" can be selected for **D** Other attachments.
The digital pressure sensor PPX mounting port (Rc1/8) is left open.

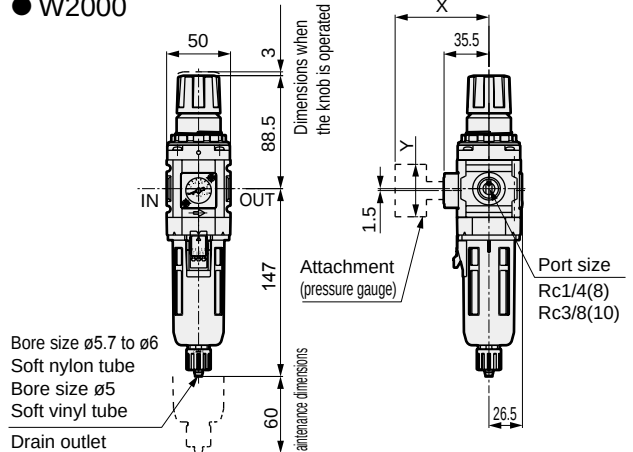
Refer to the modular design F.R.L. for specifications and internal structure diagram.

Dimensions

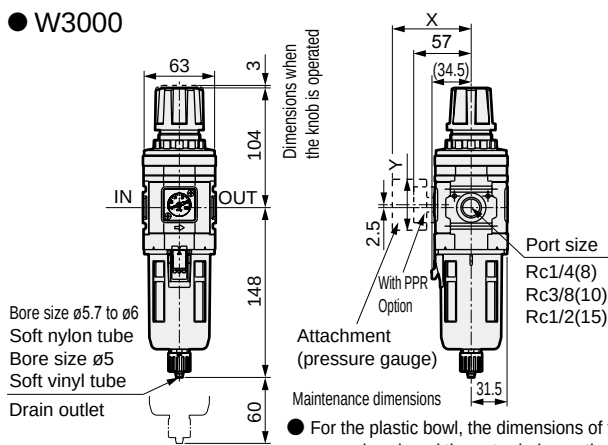
● W1000



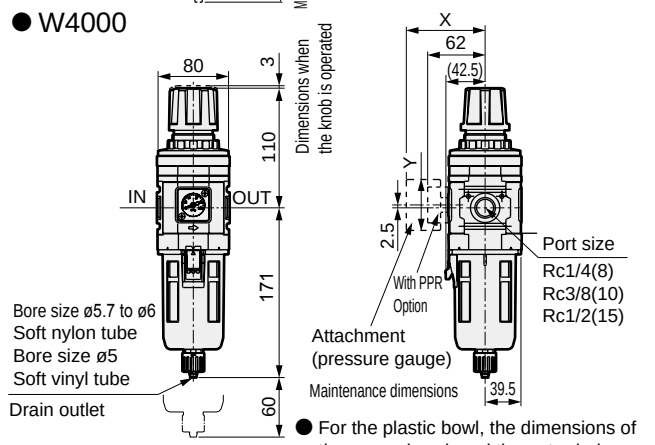
● W2000



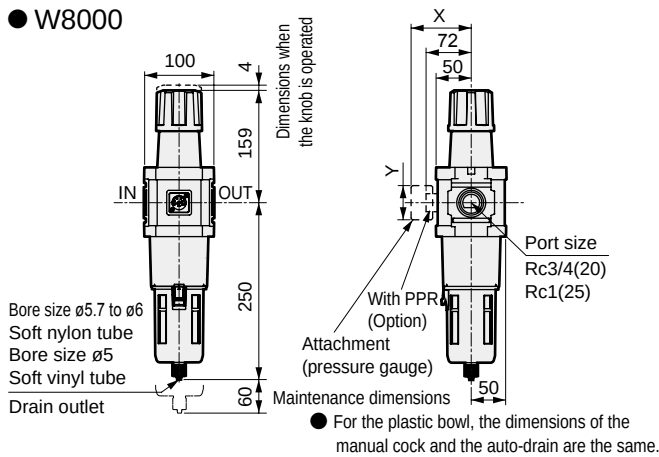
● W3000



● W4000



● W8000



● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

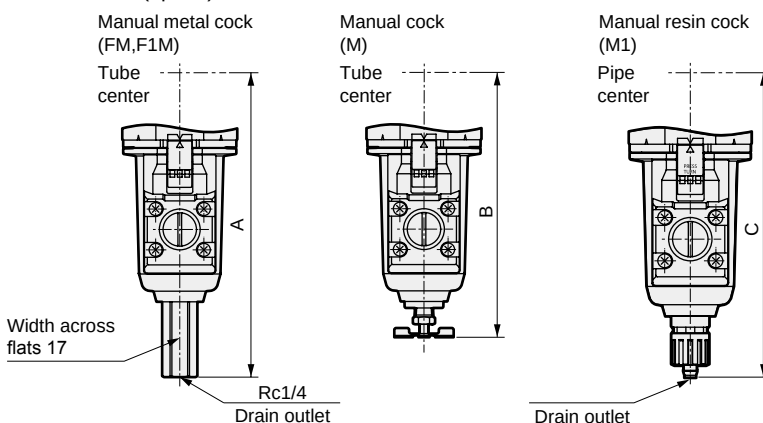
● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

Pressure gauge attached optional dimensions table

Attached pressure gauge	X					Y
	W1000	W2000	W3000	W4000	W8000	
G45P	(74)	(73.5)	(70)	(75)	(85)	ø39
G49P	(73.5)	(73)	(69.5)	(74.5)	(84.5)	ø43.5
G59P	(76)	-	(72)	(77)	(87)	ø52
G40P	(75.5)	(75)	(71.5)	(76.5)	(86.5)	ø42.5
G52P	(86)	(85.5)	(82)	(86)	(98)	ø52.5
R2	(74)	(73)	(69.5)	(75)	(85)	□30

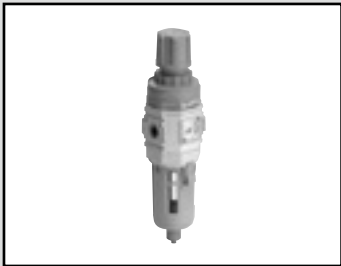
Optional dimensions

● Metal bowl (option)



Dimensions table

Model No.	F1M	M	M1
	A	B	C
W2000	-	-	147
W3000	163.5	143.5	154
W4000	187	166.5	177
W8000	256	245.5	256



Reverse filter and regulator Standard White Series

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

Introducing the 5 μm dust removing and 0.3 μm tar removing element with reverse flow function to the lineup. Port size: Rc1/8 to Rc1

JIS symbol

W1100

Interface 40 mm

W2100

Interface 50 mm

W3100

Interface 63 mm

W4100

Interface 80 mm

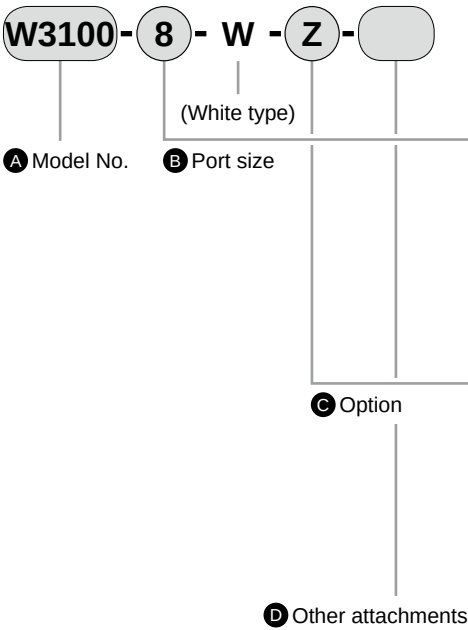
W8100

Interface 100 mm

RoHS

CAD

How to order



			A Model No.				
			W1100	W2100	W3100	W4100	W8100
Code	Description						
B Port size							
6	Rc1/8		●				
8	Rc1/4		●	●	●	●	
10	Rc3/8			●	●	●	
15	Rc1/2				●	●	
20	Rc3/4						●
25	Rc1						●
C Option			*1, *2				
Drain discharge *4	Blank	Manual drain cock	●	●	●	●	●
	F	Auto-drain, man OVRD (NO: no press→Exhaust)			●	●	●
	F1	Auto-drain, man OVRD (NC: no press→no exhaust)	●	●	●	●	●
	FF	Large auto-drain, man OVRD (NO: no press→Exhaust)					●
	FF1	Large auto-drain, man OVRD (NC: no press→no exhaust)					●
Bowl material	Blank	Polycarbonate bowl	●		●	●	●
	Z	Nylon bowl	●	●	●	●	●
	M	Metal bowl			●	●	●
	M1 *4	Metal bowl with manual drain cock		●	●	●	●
Element	Blank	5 μm	●	●	●	●	●
	Y *5	0.3 μm (submicron)			●	●	●
Pressure range	Blank	0.05 to 0.85 MPa	●	●	●	●	●
	L	0.05 to 0.35 MPa	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●
	N	Non-relief	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401)	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●
	T6 *6	Digital pressure sensor PPX included option	●	●	●	●	●
	RN	Pressure switch with display PPR mounted (NPN output 1 point)	●		●	●	●
	RP	Pressure switch with display PPR mounted (PNP output 1 point)	●		●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●
D Other attachments							
Blank		Not included	●	●	●	●	●
G45P		G45D-8-P10(L:G45D-8-P04)	●	●	●	●	●
G49P		G49D-8-P10(L:G49D-8-P04)	●		●	●	●
G59P		G59D-8-P10(L:G59D-8-P04)	●		●	●	●
G40P		G40D-8-P10(L:G40D-8-P04)	●	●	●	●	●
G52P		G52D-8-P10(L:G52D-8-P10)	●	●	●	●	●
R2 *6		Digital pressure sensor: PPX-R10N-6M	●	●	●	●	●

- ⚠

Precautions for model No. selection
- *1

: Select options for the drainage, bowl material, element, and regulator. When selecting options for several items, list options in order from the top.
- *2

: Positions of check valve and pressure gauge cannot be changed. If the IN and OUT directions must be reversed, indicate "X1" at the end of the option field.
- *3

: Refer to page 354 for the auto-drain working conditions.
- *4

: A manual drain cock is included with all drainage types.
- *5

: Refer to "Pneumatic, Vacuum, and Auxiliary Components" (CB-024SA) for max. processing flow rate when option "Y" is selected.
- *6

: When the option "T6" is selected, only "Blank" or "R2" can be selected for ④ Other attachments. The digital pressure sensor PPX mounting port (Rc1/8) is left open.

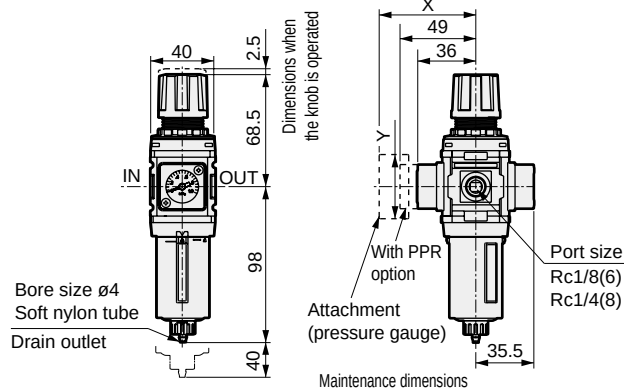
Refer to the modular design F.R.L. for specifications and internal structure diagram.

Filter/Regulator Series

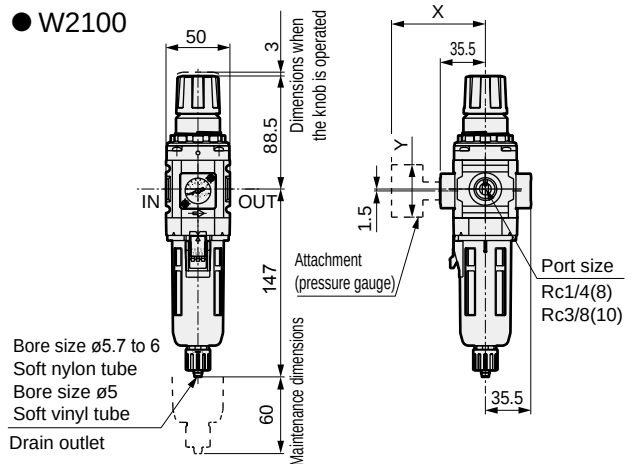
Dimensions

Dimensions

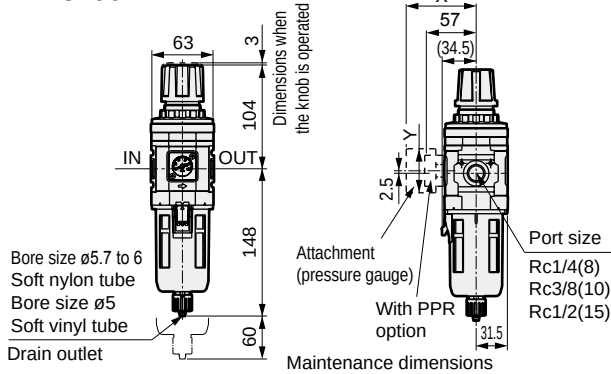
● W1100



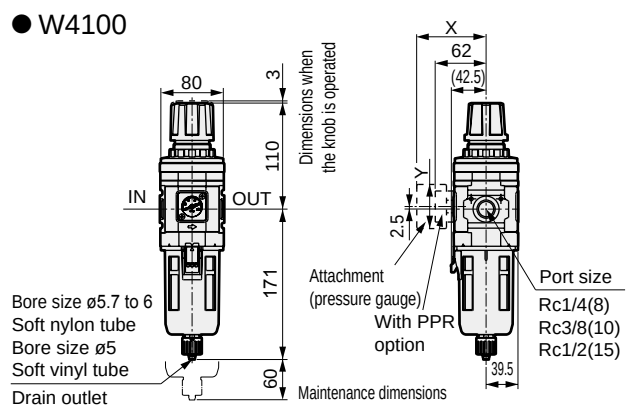
● W2100



● W3100



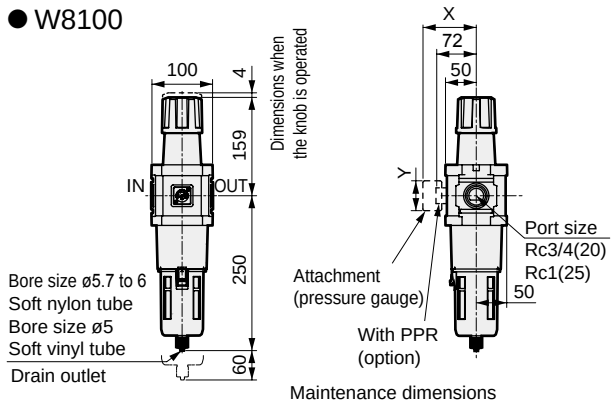
● W4100



● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

● W8100



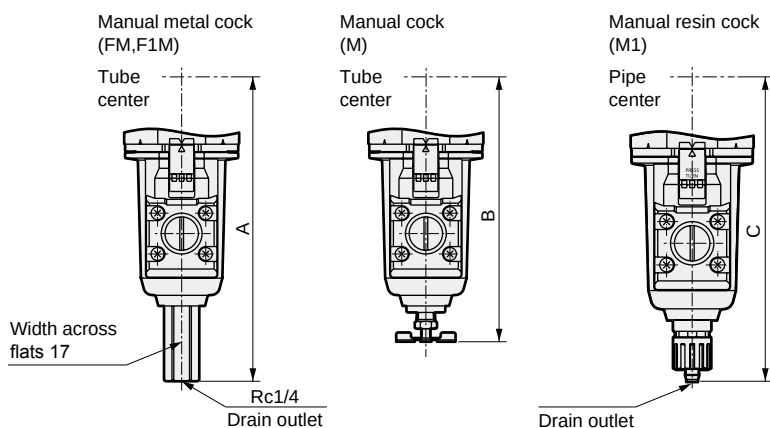
● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

Pressure gauge attached optional dimensions table

Attached pressure gauge	X					Y
	W1100	W2100	W3100	W4100	W8100	
G45P	(74)	(73.5)	(70)	(75)	(85)	$\phi 39$
G49P	(73.5)	(73)	(69.5)	(74.5)	(84.5)	$\phi 43.5$
G59P	(76)	-	(72)	(77)	(87)	$\phi 52$
G40P	(75.5)	(75)	(71.5)	(76.5)	(86.5)	$\phi 42.5$
G52P	(86)	(85.5)	(82)	(86)	(98)	$\phi 52.5$
R2	(74)	(73)	(69.5)	(75)	(85)	$\square 30$

Optional dimensions

● Metal bowl (option)



Dimensions table

Model No.	F1M	M	M1
	A	B	C
W2100	-	-	147
W3100	163.5	143.5	154
W4100	187	166.5	177
W8100	256	245.5	256



Air filter Standard White Series

F1000/F2000/F3000/F4000/F6000/F8000-W Series

New Series using 5 µm elements for dust removal,
and 0.3 µm elements for tar removal.

Port size: Rc1/8 to Rc1

JIS symbol



F1000	F2000	F3000
Interface 40 mm	Interface 50 mm	Interface 63 mm
F4000	F6000	F8000
Interface 80 mm	Interface 90 mm	Interface 100 mm

How to order

F3000 - **8** - **W** - **Z**
(White type)

A Model No.

B Port size

C Option

⚠ Precautions for model No. selection

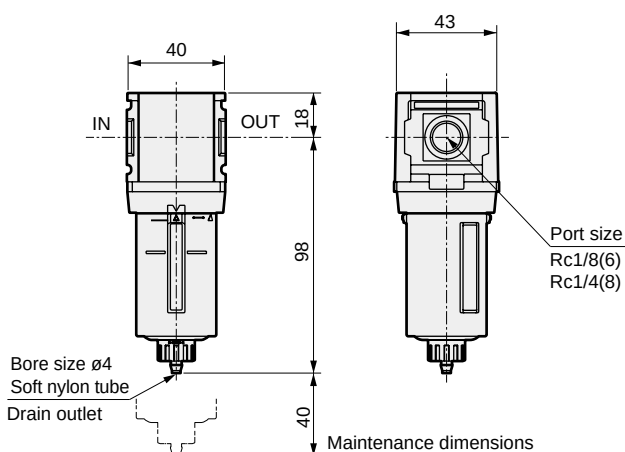
*1: Select options for the drainage, bowl material,
element, and flow direction.
When selecting options for several items, list options
in order from the top.

*2: Refer to page 354 for the auto-drain working
conditions.

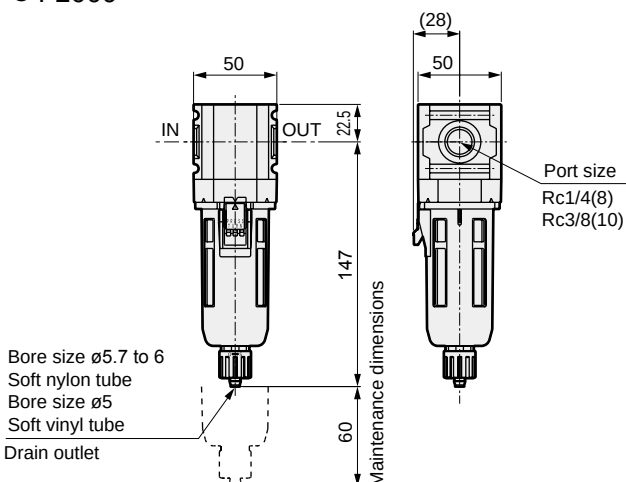
*3: A manual drain cock is included with all drainage
types.

Dimensions

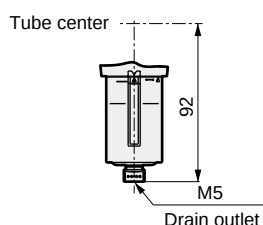
● F1000



● F2000

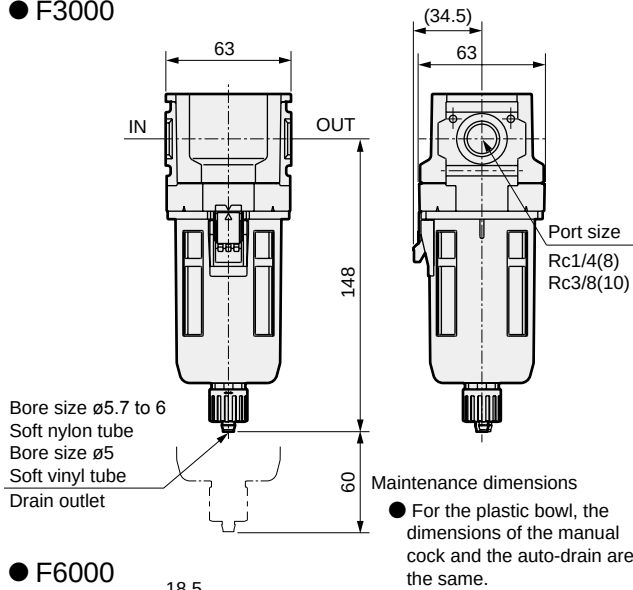


Dimensions of options
With auto-drain (F1)

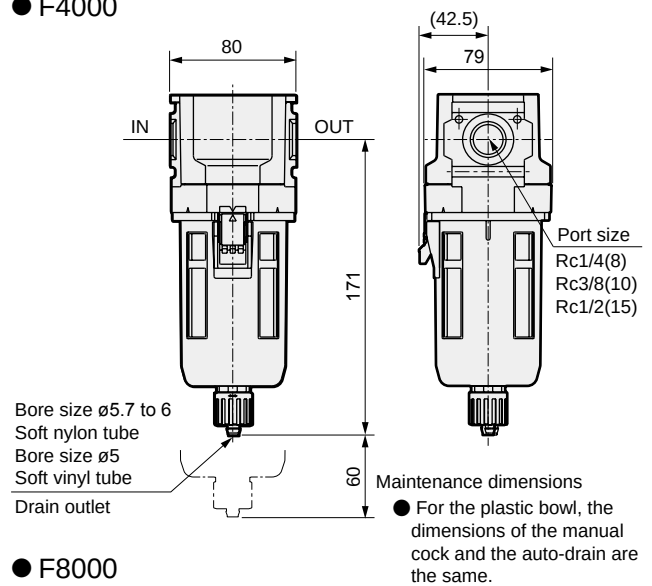


Dimensions

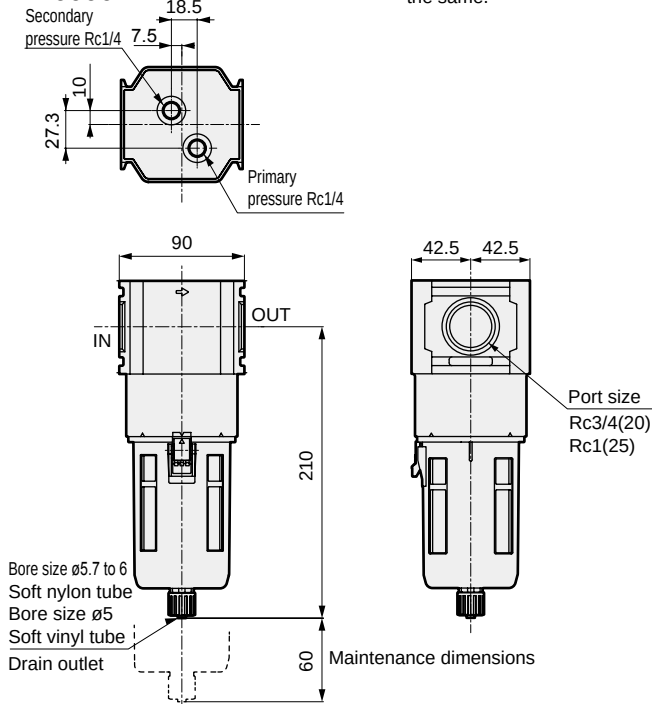
● F3000



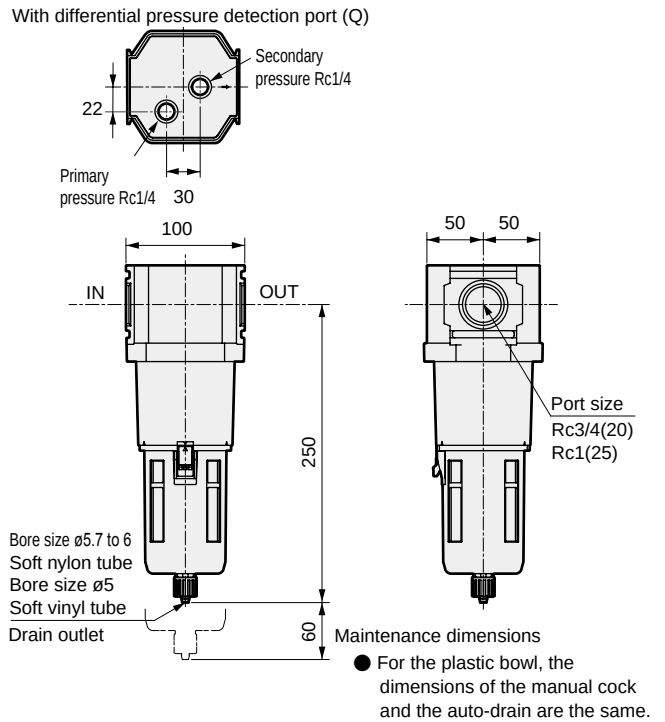
● F4000



● F6000



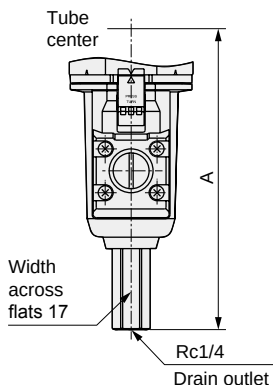
● F8000



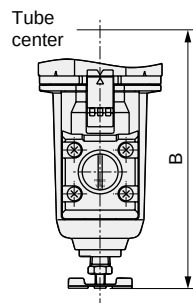
Optional dimensions

● Metal bowl (option)

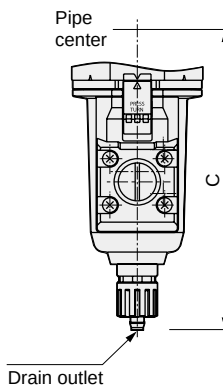
Manual metal cock (F1M)



Manual cock (M)



Manual resin cock (M1)



Dimensions table

Model No.	F1M	M	M1
	A	B	C
F2000	-	-	147
F3000	164	143.5	154
F4000	187	166.5	177
F6000	226	205	216
F8000	266	245.5	256

Refer to the modular design F.R.L. for specifications and internal structure diagram.



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.

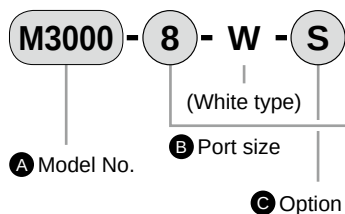
Port size: Rc1/8 to Rc1

JIS symbol



M1000 Interface 40 mm	M2000 Interface 50 mm	M3000 Interface 63 mm
M4000 Interface 80 mm	M6000 Interface 90 mm	M8000 Interface 100 mm

How to order

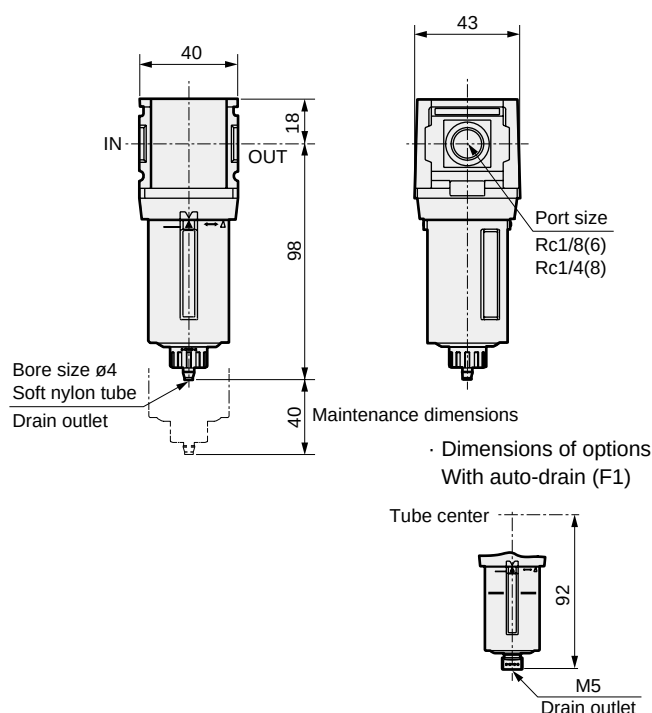


⚠ Precautions for model No. selection

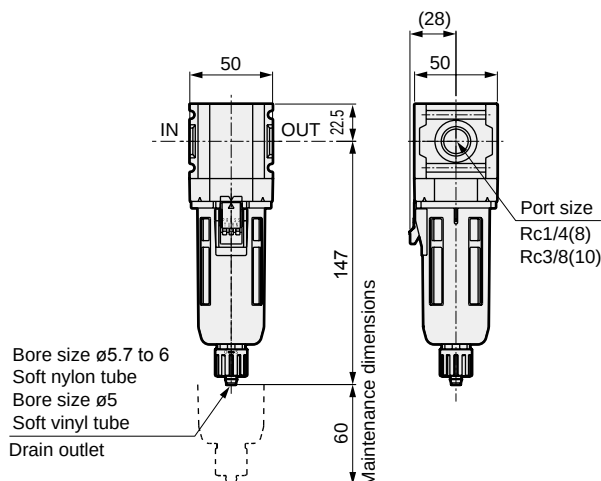
- *1: Select options for drainage, bowl material, mantle, and flow direction.
When selecting options for several items, list options in order from the top.
- *2: NO auto-drain cannot be selected.
- *3: Refer to page 354 for the auto-drain working conditions.
- *4: A manual drain cock is included with all drainage types.
- *5: Combination with option F1 is not possible.
- *6: This cannot be selected with "M" and "X". Replace the element before the differential pressure indicator's color changes completely to red. The differential pressure indicator functions only when the compressed air is flowing. Note that it does not operate simply by pressurization.

Dimensions

● M1000



● M2000

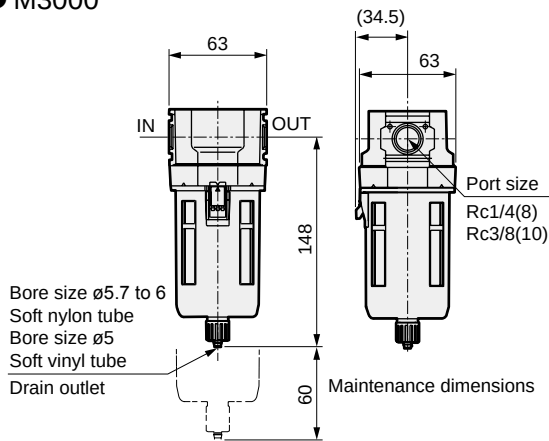


		A Model No.					
		M1000	M2000	M3000	M4000	M6000	M8000
B Port size							
Code	Description						
6	Rc1/8	●					
8	Rc1/4	●	●	●	●		
10	Rc3/8		●	●			
15	Rc1/2				●		
20	Rc3/4					●	●
25	Rc1					●	●
C Option		*1					
Drain discharge *2, *3	Blank	With manual drain cock	●	●	●	●	●
	F1	Auto-drain, man OVRD (NC: No press→No exhaust)	●	●	●	●	●
Bowl material	Blank	Polycarbonate bowl	●	●	●	●	●
	Z	Nylon bowl	●	●	●	●	●
	M	Metal bowl			●	●	●
	M1 *4	Metal bowl with manual drain cock		●	●	●	●
Mantle (Element)	Blank	M type (nominal 0.01 μ m; remaining oil 0.01 mg/m ³ or less)	●	●	●	●	●
	S	S type (nominal 0.3 μ m; remaining oil 0.5 mg/m ³ or less)	●	●	●	●	●
	X *5	X type (deodorization; remaining oil 0.03mg/m ³)	●	●	●	●	●
Diff press detect	Blank	Without differential pressure detection port	●	●	●	●	●
	Q	With differential pressure detection port (Rc 1/4)				●	●
Diff press indicator	Blank	Without differential pressure indicator	●	●	●	●	●
	Q1 *6	With differential pressure indicator				●	●
	Q2	With differential pressure indicator		●	●	●	●
Differential pressure switch	Q3	Differential pressure indicator + switch 1-point (SW2)		●	●	●	●
	Q4	Differential pressure indicator + switch 2-point (SW1/SW2)		●	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●

Refer to the modular design F.R.L. for specifications and internal structure diagram.

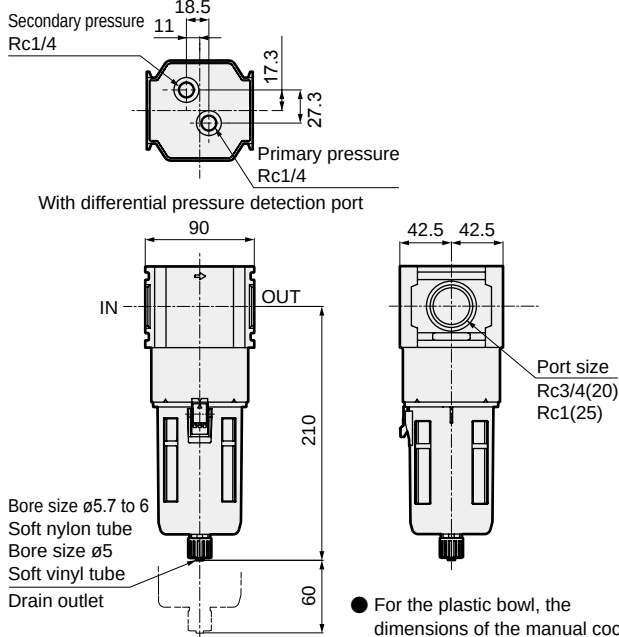
Dimensions

● M3000



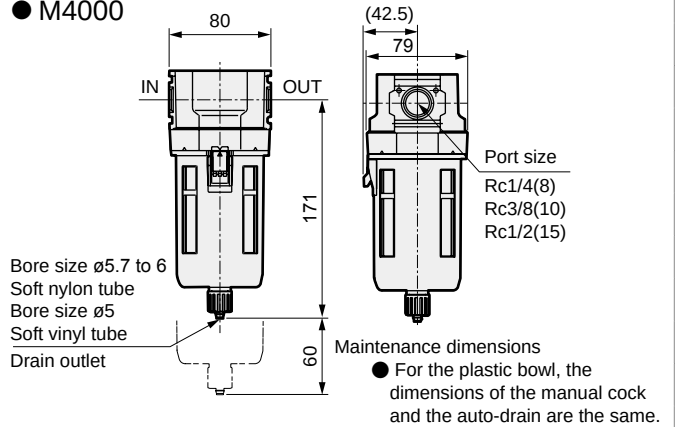
● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

● M6000



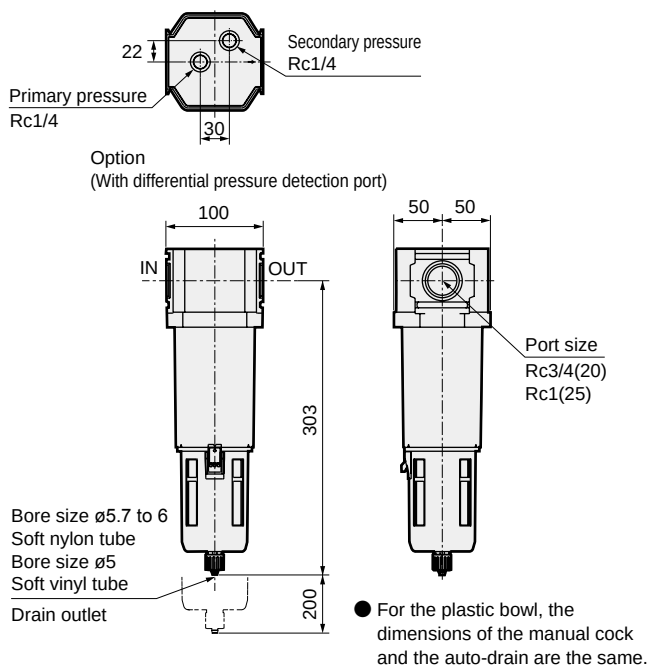
● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

● M4000



● With differential pressure indicator (option) Q1

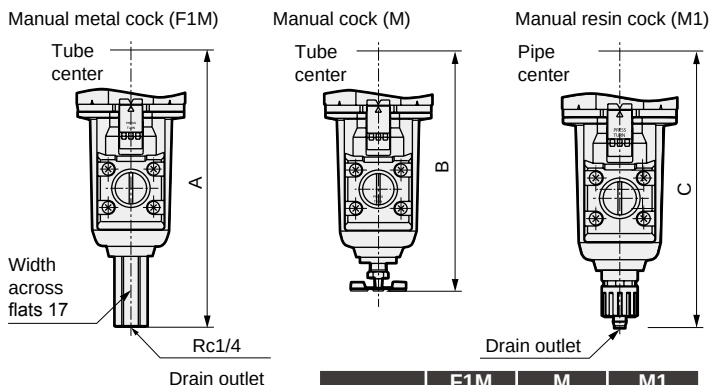
● M8000



● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

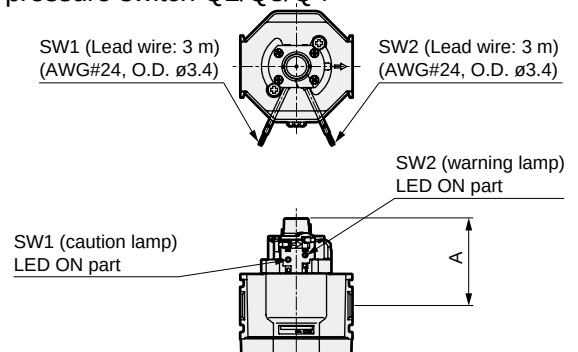
Optional dimensions

● Metal bowl



Model No.	F1M	M	M1
	A	B	C
M2000	-	-	147
M3000	164	143.5	154
M4000	187	166.5	177
M6000	226	205	216
M8000	319	298	309

● Differential pressure indicator/differential pressure switch Q2/Q3/Q4



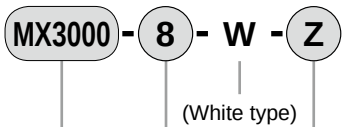
Model No.	A
M2000	62
M3000	62
M4000	62
M6000	72.5



High performance oil mist filter/Standard White Series
MX1000/MX3000/MX4000/MX6000/MX8000-W Series
 Secondary oil content 0.001 mg/m³
 Ideal for optical devices, such as optical positioning devices and laser processing systems.
 Port size: Rc1/8 to Rc1
 JIS symbol 

MX1000	MX3000	MX4000	MX6000	MX8000
Interface 40 mm	Interface 63 mm	Interface 80 mm	Interface 90 mm	Interface 100 mm

How to order



A Model No. **B** Port size **C** Option

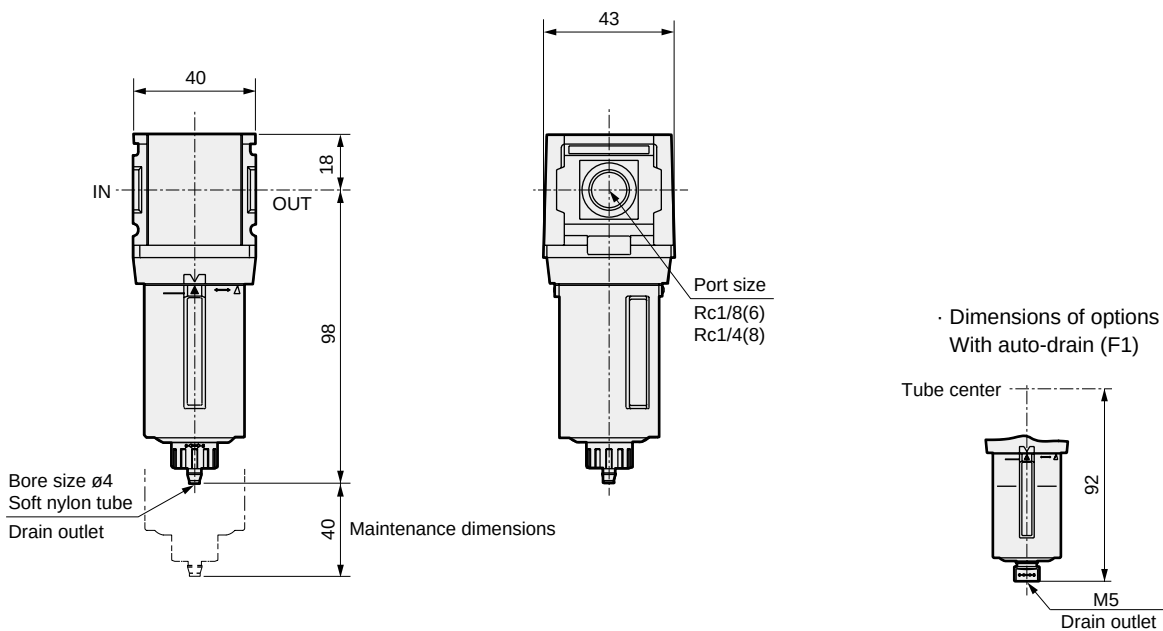
		A Model No.				
		MX1000	MX3000	MX4000	MX6000	MX8000
Code	Description					
B Port size						
6	Rc1/8	●				
8	Rc1/4	●	●	●		
10	Rc3/8		●	●		
15	Rc1/2			●		
20	Rc3/4				●	●
25	Rc1				●	●
C Option						
*1						
Drain discharge *2, *3	Blank	With manual drain cock				
	F1	Auto-drain, man OVRD (NC: No press→No exhaust)				
Bowl material	Blank	Polycarbonate bowl				
	Z	Nylon bowl				
	M	Metal bowl				
	M1 *4	Metal bowl with manual drain cock				
Diff press detect	Blank	Without differential pressure detection port				
	Q	With differential pressure detection port (Rc 1/4)				
Flow direction	Blank	Standard flow (left → right)				
	X1	Reverse flow (right → left)				

Precautions for model No. selection

- *1: Select options for drainage, bowl material and differential pressure detection. When selecting options for several items, list options in order from the top.
- *2: NO auto-drain cannot be selected.
- *3: Refer to page 354 for the auto-drain working conditions.
- *4: A manual drain cock is included with all drainage types.

Dimensions

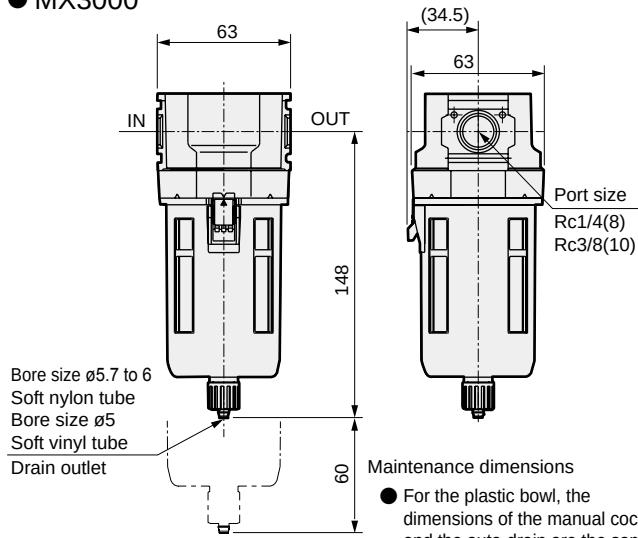
● MX1000



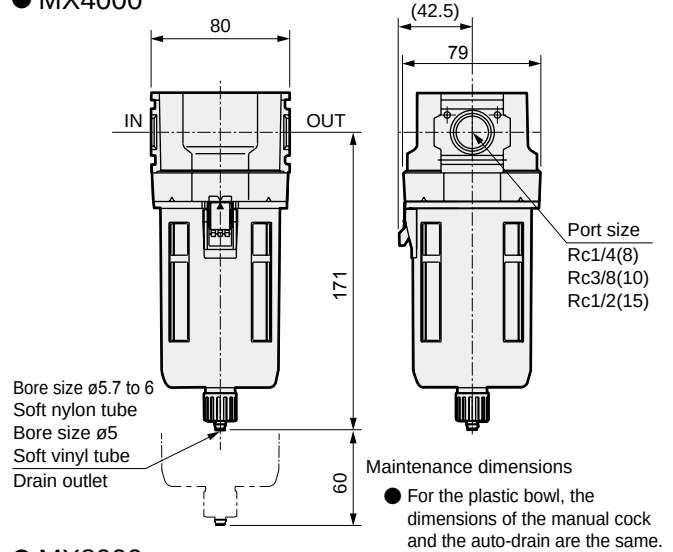
Refer to the modular design F.R.L. for specifications and internal structure diagram.

Dimensions

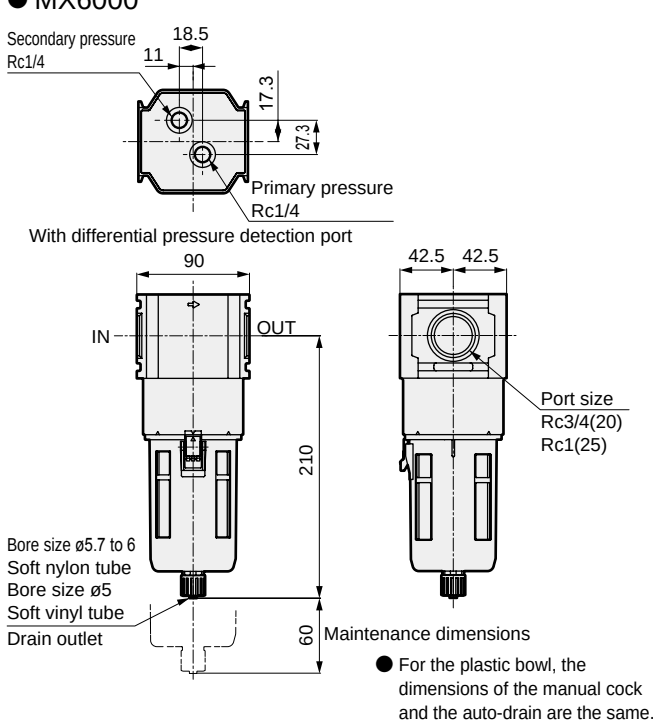
● MX3000



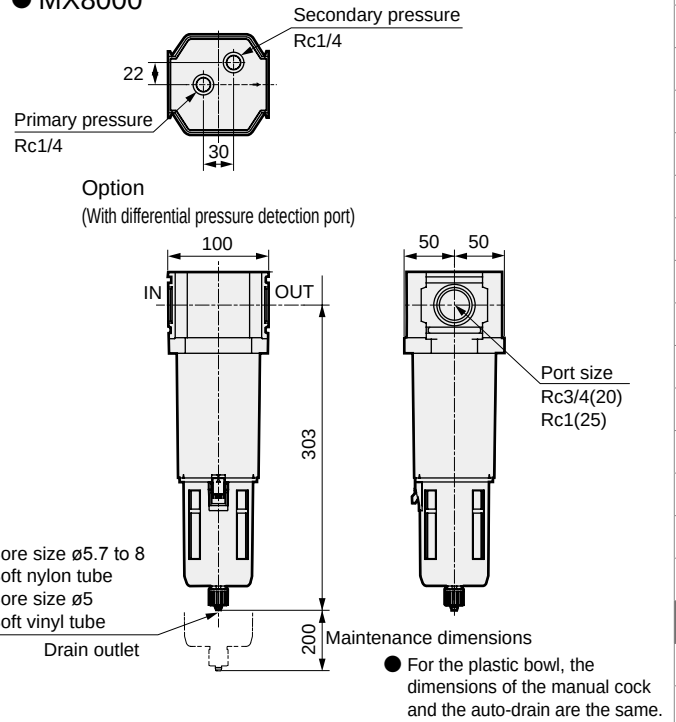
● MX4000



● MX6000

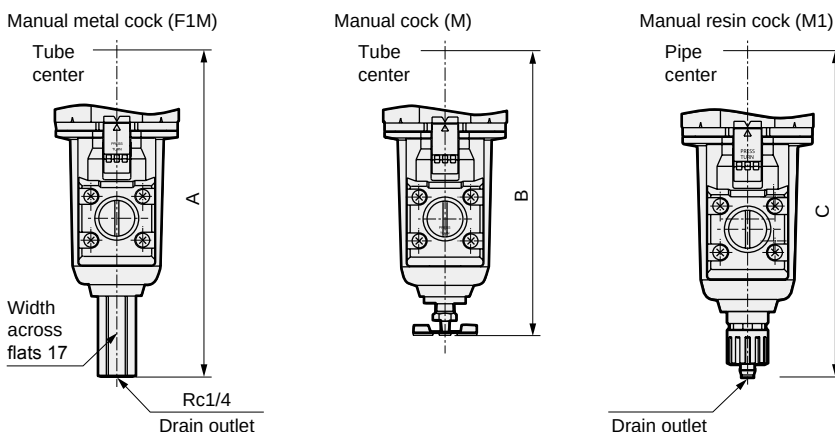


● MX8000



Optional dimensions

● Metal bowl (option)



Dimensions table

Model No.	F1M	M	M1
	A	B	C
MX3000	164	143.5	154
MX4000	187	166.5	177
MX6000	226	205	216
MX8000	319	298	309



Regulator Standard White Series

R1000/R2000/R3000/R4000/R6000/R8000-W Series

Compact, pressure gauge embedded.
Port size: Rc1/8 to Rc1

JIS symbol



R1000	R2000	R3000
Interface 40 mm	Interface 50 mm	Interface 63 mm
R4000	R6000	R8000
Interface 80 mm	Interface 90 mm	Interface 100 mm

How to order

R3000 - **8** - **W** - **L** - **G49P**

(White type)

A Model No.

B Port size

C Option

D Other attachments

⚠ Precautions for model No. selection

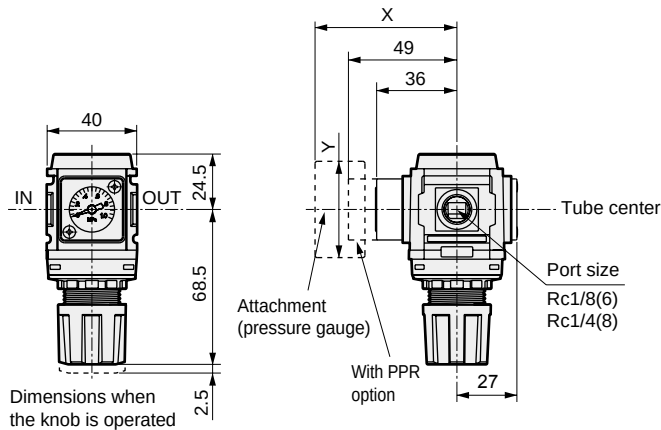
- *1: When selecting options for several items, list options in order from the top.
- *2: When the option "T6" is selected, only "Blank" or "R2" can be selected for **D** Other attachments.
The digital pressure sensor PPX mounting port (Rc1/8) is left open.

			A Model No.					
			R1000	R2000	R3000	R4000	R6000	R8000
Code		Description						
B Port size								
6	Rc1/8		●					
8	Rc1/4		●	●	●	●		
10	Rc3/8			●	●	●		
15	Rc1/2					●		
20	Rc3/4						●	●
25	Rc1						●	●
C Option								
*1								
Press Range	Blank	0.05 to 0.85 MPa	●	●	●	●	●	●
	L	0.05 to 0.35 MPa	●	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●	●
	N	Non-relief	●	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401)	●	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●	●
	T6 *2	Digital pressure sensor PPX included option	●	●	●	●	●	●
	RN	Pressure switch with display PPR mounted (NPN output 1 point)	●	●	●	●	●	●
	RP	Pressure switch with display PPR mounted (PNP output 1 point)	●	●	●	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●	●
D Other attachments								
Blank	Not included		●	●	●	●	●	●
G45P	G45D-8-P10(L:G45D-8-P04)		●	●	●	●	●	●
G49P	G49D-8-P10(L:G49D-8-P04)		●	●	●	●	●	●
G59P	G59D-8-P10(L:G59D-8-P04)		●	●	●	●	●	●
G40P	G40D-8-P10(L:G40D-8-P04)		●	●	●	●	●	●
G52P	G52D-8-P10(L:G52D-8-P10)		●	●	●	●	●	●
R2 *2	Digital pressure sensor: PPX-R10N-6M		●	●	●	●	●	●

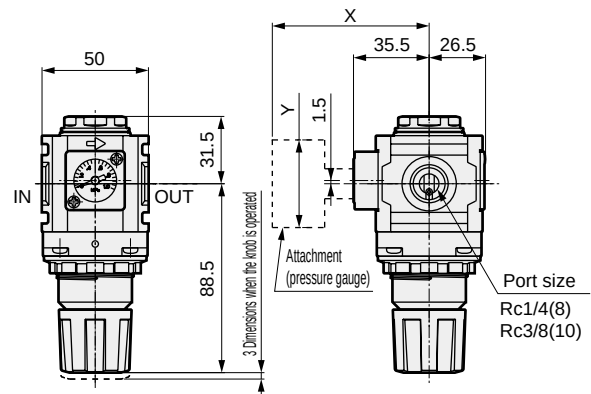
Refer to the modular design F.R.L. for specifications and internal structure diagram.

Dimensions

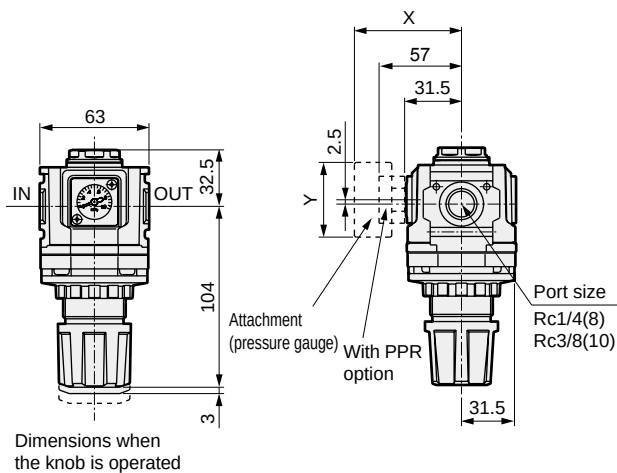
● R1000



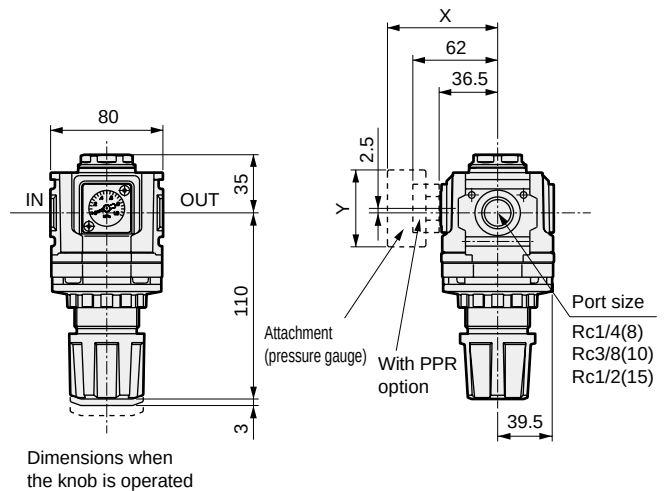
● R2000



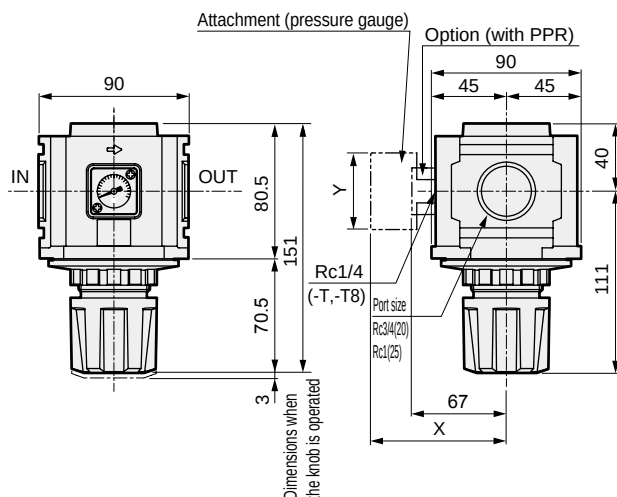
● R3000



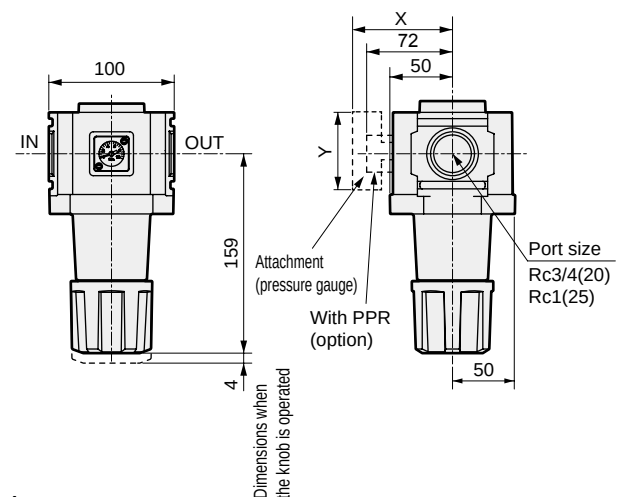
● R4000



● R6000



● R8000



Pressure gauge attached optional dimensions table

Attached pressure gauge	X						Y
	R1000	R2000	R3000	R4000	R6000	R8000	
G45P	(74)	(73.5)	(70)	(75)	(80)	(85)	ø39
G49P	(73.5)	(73)	(69.5)	(74.5)	(79.5)	(84.5)	ø43.5
G59P	(76)	(75.5)	(72)	(77)	(82)	(87)	ø52
G40P	(75.5)	(75)	(71.5)	(76.5)	(81.5)	(86.5)	ø42.5
G52P	(86)	(85.5)	(82)	(86)	(93)	(98)	ø52.5
R2	(74)	(73)	(69.5)	(75)	(80)	(85)	□30

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



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

Port size: Rc1/8 to Rc1



R3100
Interface
63 mm

R4100
Interface
100 mm

R3100 - 8 - W - L - G49P

A Model No.

B Port size

C Option

D Other attachments

Code	Description	R11	R21	R31	R41	R61	R81
B Port size							
6	Rc1/8	●					
8	Rc1/4	●	●	●	●		
10	Rc3/8		●	●	●		
15	Rc1/2				●		
20	Rc3/4					●	●
25	Rc1					●	●

© Option

*1, *2

Pressure range	Blank	0.05 to 0.85 MPa	●	●	●	●	●	●
	L	0.05 to 0.35 MPa	●	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●	●
	N	Non-relief	●	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401)	●	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●	●
	T6 *3	Digital pressure sensor PPX included option	●	●	●	●	●	●
	RN	Pressure switch with display PPR mounted (NPN output 1 point)	●	●	●	●	●	●
	RP	Pressure switch with display PPR mounted (PNP output 1 point)	●	●	●	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●	●

D Other attachments

Blank	Not included	●	●	●	●	●	●
G45P	G45D-8-P10(L:G45D-8-P04)	●	●	●	●	●	●
G49P	G49D-8-P10(L:G49D-8-P04)	●	●	●	●	●	●
G59P	G59D-8-P10(L:G59D-8-P04)	●	●	●	●	●	●
G40P	G40D-8-P10(L:G40D-8-P04)	●	●	●	●	●	●
G52P	G52D-8-P10(L:G52D-8-P10)	●	●	●	●	●	●
R2 *3	Digital pressure sensor: PPX-R10N-6M	●	●	●	●	●	●

*1 : When selecting options for several items, list options in order from the top.

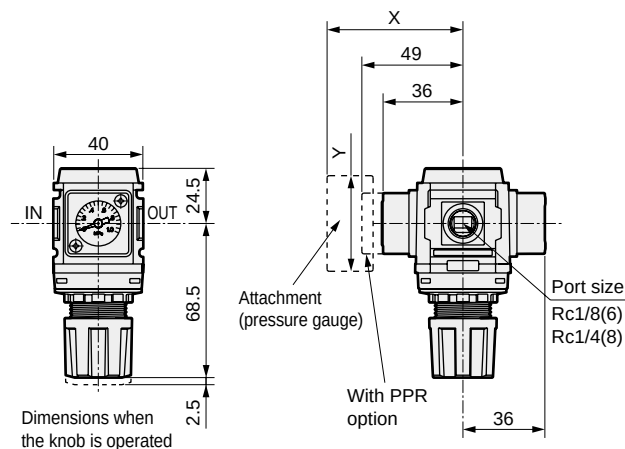
*1 : When selecting options for several items, list options in order from the top.

***2: Positions of check valve and pressure gauge cannot be changed. If the IN and OUT directions must be reversed, indicate "X1" at the end of the option field.**

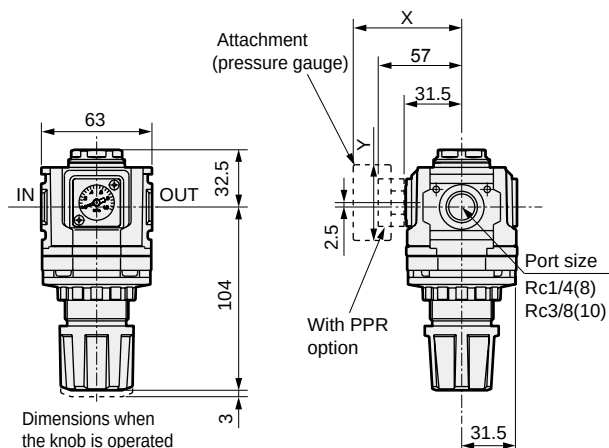
*3 : When the option "T6" is selected, only "Blank" or "R2" can be selected for ⑥ Other attachments.
The digital pressure sensor PPX mounting port (Rc1/8) is left open.

Dimensions

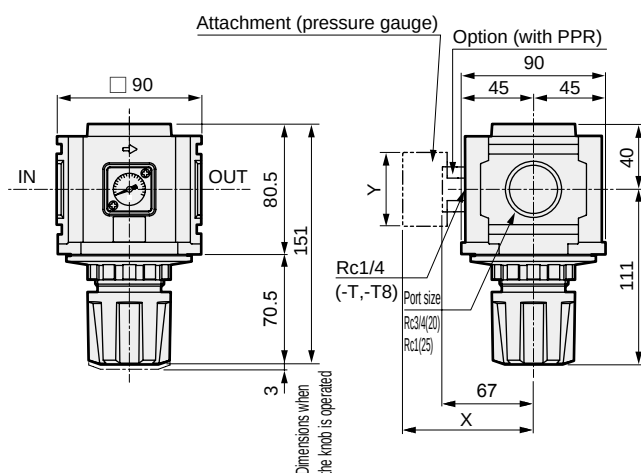
● R1100



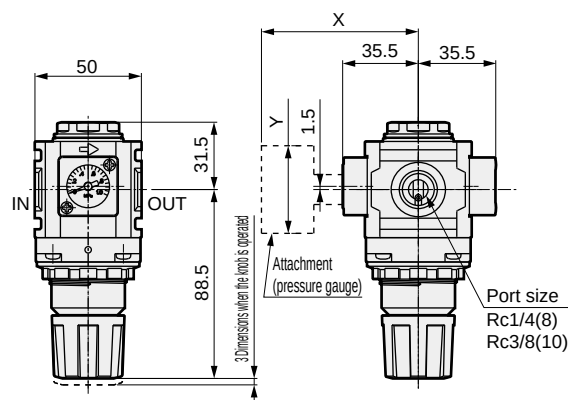
● R3100



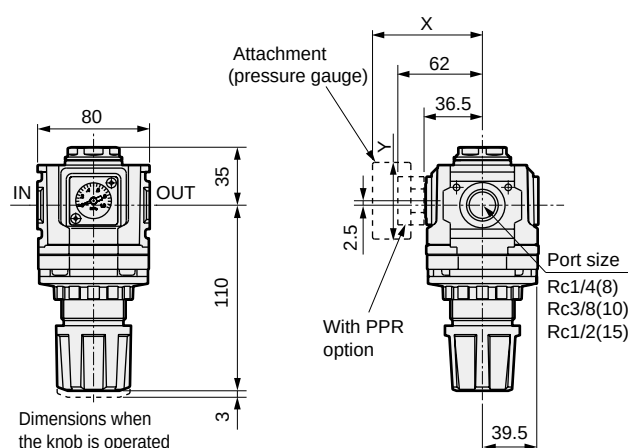
● R6100



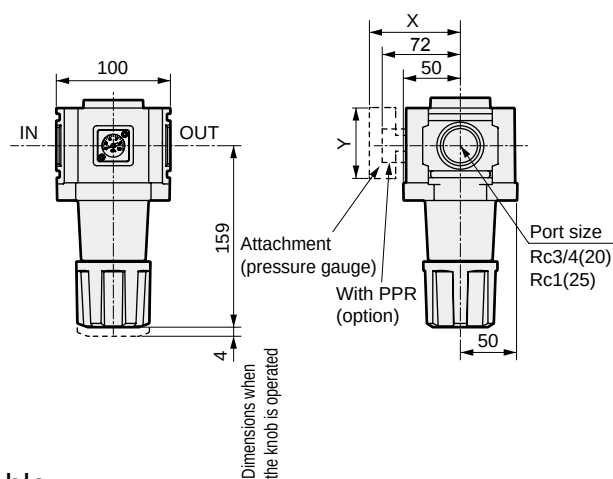
● R2100



● R4100



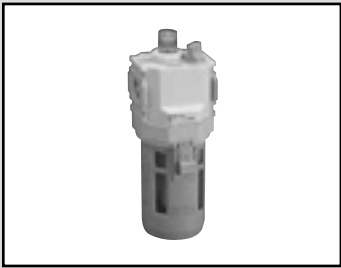
● R8100



Pressure gauge attached optional dimensions table

Attached pressure gauge	X						Y
	R1100	R2100	R3100	R4100	R6100	R8100	
G45P	(74)	(73.5)	(70)	(75)	(80)	(85)	ø39
G49P	(73.5)	(73)	(69.5)	(74.5)	(79.5)	(84.5)	ø43.5
G59P	(76)	(75.5)	(72)	(77)	(82)	(87)	ø52
G40P	(75.5)	(75)	(71.5)	(76.5)	(81.5)	(86.5)	ø42.5
G52P	(86)	(85.5)	(82)	(86)	(93)	(98)	ø52.5
R2	(74)	(73)	(69.5)	(75)	(80)	(85)	□30

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdris FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



Lubricator Standard White Series

L1000/L3000/L4000/L8000-W Series

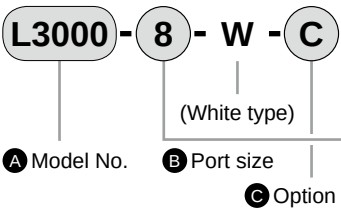
Supplies fine oil mist.
Port size: Rc1/8 to Rc1

JIS symbol



L1000	L3000
Interface 40 mm	Interface 63 mm
L4000	L8000
Interface 80 mm	Interface 100 mm

How to order



⚠ Precautions for model No. selection

- *1: When selecting options for several items, list options in order from the top.
- *2: The adjusting dome material remains unchanged (polycarbonate), even when a nylon bowl or metal bowl is selected. Contact CKD if a different material is required.

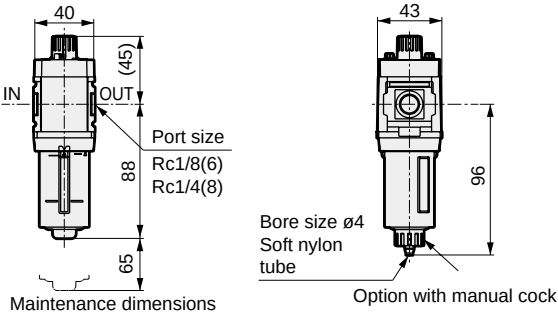
Drainage and bowl material combination (Model No. display © section) Option ● with float switch

3000/4000/8000 Series			
Shape			
	Plastic bowl		Metal bowl
Material	Polycarbonate	Nylon	Aluminum
Lubricator L*000	LL	LLZ	LLM

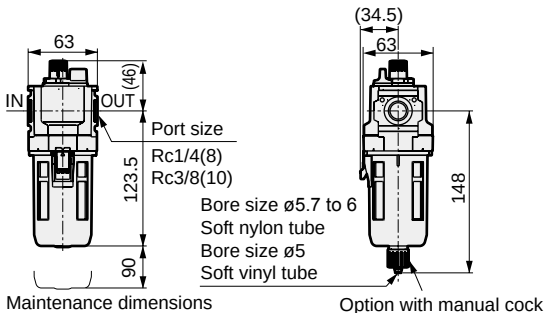
			A Model No.			
			L1000	L3000	L4000	L8000
Code		Description				
B Port size						
6	Rc1/8		●			
8	Rc1/4		●	●	●	
10	Rc3/8			●	●	
15	Rc1/2				●	
20	Rc3/4					●
25	Rc1					●
C Option						
Drain discharge	Blank	Without manual cock	●	●	●	●
	C	With manual cock	●	●	●	●
	LL	With float switch		●	●	●
Bowl material	Blank	Polycarbonate bowl	●	●	●	●
	Z	Nylon bowl	●	●	●	●
	M	Metal bowl		●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●

Dimensions

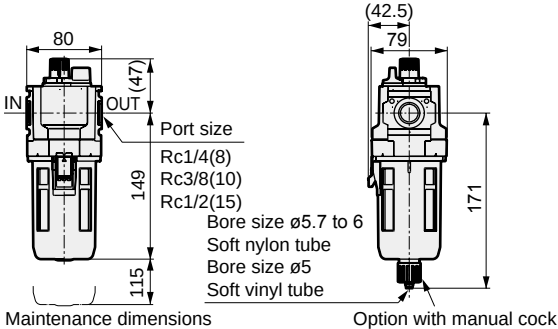
● L1000



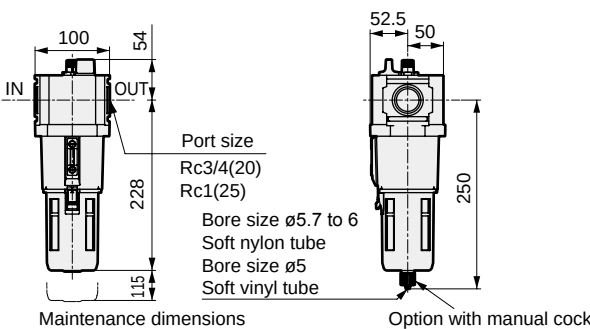
● L3000



● L4000



● L8000



Refer to the modular F.R.L. for specifications and internal structure diagram.



Drain separator FX Series

Lightweight compact drain separator
Compatible compressor 0.75 kW to 37 kW
Port size: Rc1/4 to Rc1

JIS symbol



FX1004
Interface
63 mm

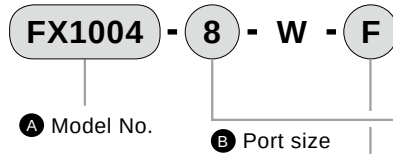
FX1011
Interface
80 mm

FX1037
Interface
100 mm

RoHS

CAD

How to order



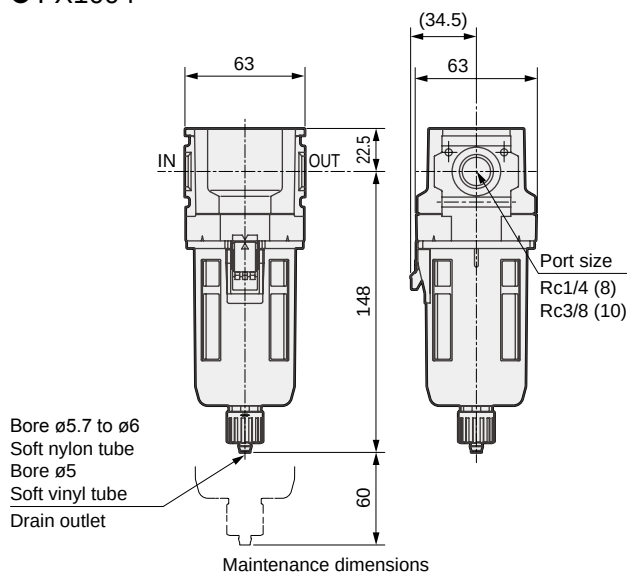
⚠ Precautions for model No. selection

- *1: Select options for the drainage, bowl material, and flow direction.
When selecting options for several items, list options in order from the top.
- *2: Refer to "Pneumatic, Vacuum, and Auxiliary Components" (CB-024SA) for the auto-drain use conditions.

Code		Description			A Model No.		
B Port size					FX1004	FX1011	FX1037
8	Rc1/4				●	●	
10	Rc3/8				●	●	
15	Rc1/2					●	
20	Rc3/4						●
25	Rc1						●
D Option *1, 2					FX1004	FX1011	FX1037
Drain discharge	Blank	With manual drain cock (1/8 internal thread only for metal bowl)			●	●	●
	C	With manual cock (can only be selected for metal bowl)			●	●	●
	F	Auto-drain with manual override (NO: Exhaust when not pressurized)			●	●	●
	F1	Auto-drain with manual override (NC: No exhaust when not pressurized)			●	●	●
Bowl material	Blank	Polycarbonate bowl			●	●	●
	Z	Nylon bowl			●	●	●
	M	Metal bowl			●	●	●
	M1	Metal bowl with manual drain cock			●	●	●
Flow direction	Blank	Standard flow (left → right)			●	●	●
	X1	Reverse flow (right → left)			●	●	●

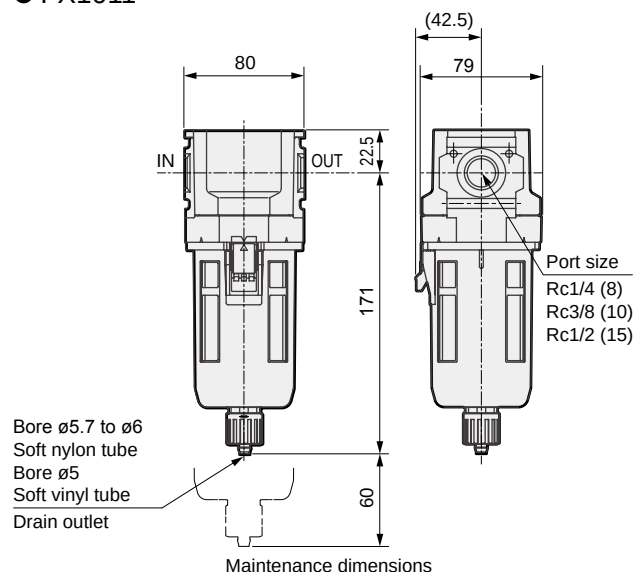
Dimensions

● FX1004



- For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

● FX1011



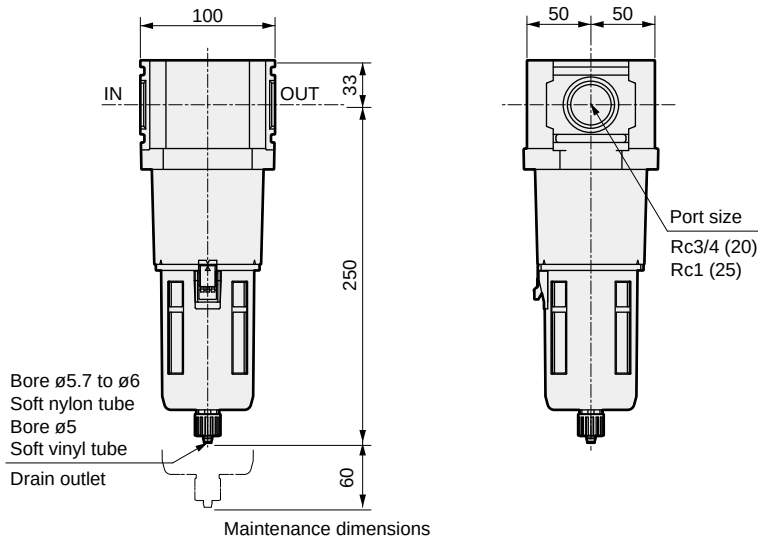
- For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

Refer to the modular F.R.L. for specifications and internal structure diagram.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Dimensions

● FX1037-W

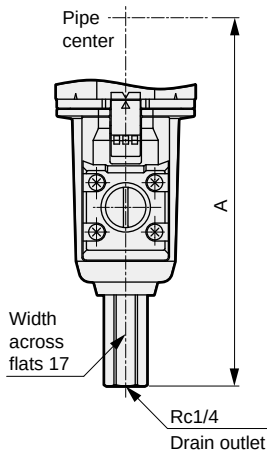


● For the plastic bowl, the dimensions of the manual cock and the auto-drain are the same.

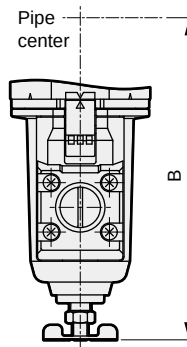
Optional dimensions

● Metal bowl FX1004-W/FX1011-W/FX1037-W (option)

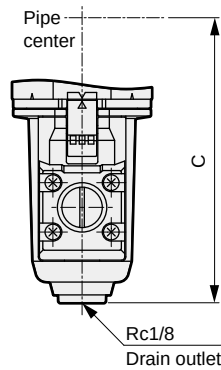
Metal bowl
with auto-drain (FM, F1M)



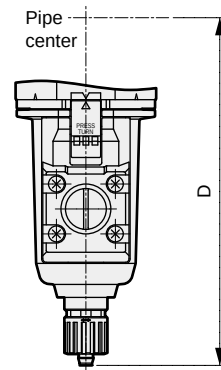
Metal bowl
with manual cock (CM)



Metal bowl
without cock (M)



Metal bowl
with manual cock (CM1, FM1, F1M1)



Dimensions table

Model No.	FM/F1M	CM	M	CM1/FM1/F1M1
	A	B	C	D
FX1004	164	143.5	127	154
FX1011	187	166.5	150	177
FX1037	266	245.5	229	256

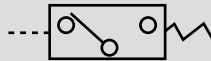
Mechanical pressure switch Standard White Series

P4000-W Series

Wide pressure setting range covers 0.1 to 0.8 MPa.

Port size: Rc1/4 to Rc1/2

JIS symbol



How to order

(P4000) - 8 - W - 1N

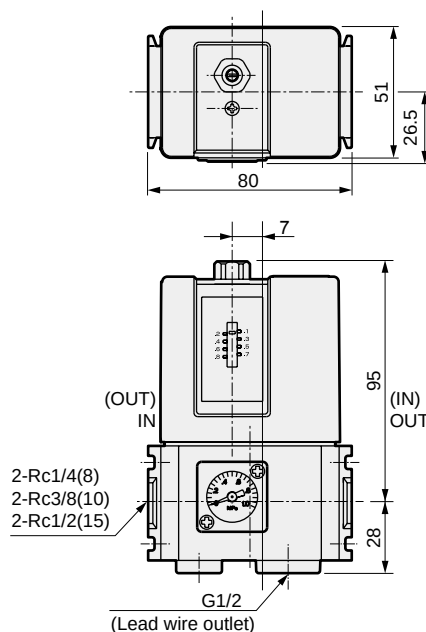
(White type)

A Port size

B Option

Code	Description
A Port size	
8	Rc1/4
10	Rc3/8
15	Rc1/2
B Option	
Blank	Without indicator lamp
1N	100/200 VAC with indicator lamp
3N	24 VDC with indicator lamp
T	Without pressure gauge

Dimensions



Refer to the modular design F.R.L. for specifications, internal structure diagram, and safety precautions.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompr
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Reed switch compact mechanical pressure switch

P1100/P4100/P8100-UN- Series

Compatible with module connection to F.R.L.

JIS symbol



P1100
Interface
28 mm

P4100
Interface
31.5 mm

P8100
Interface
50 mm

Customized
only

How to order (modular design)

P **4100** - **UN** - **6** **L** - **W** - **3**

A Series model No.

(White type)

B Port size

C Branch direction

D Length of lead wire

* Dedicated model No. for customized combinations. Components cannot be purchased individually.

Precautions for model No. selection

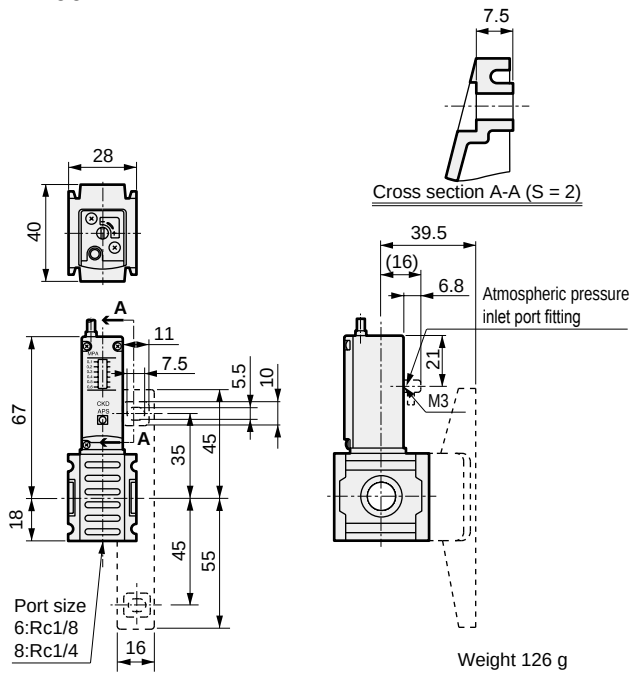
*1: This is used for intermediate connection of the module series so the module connection section is not threaded.

*2: A plug matching the port size is included.

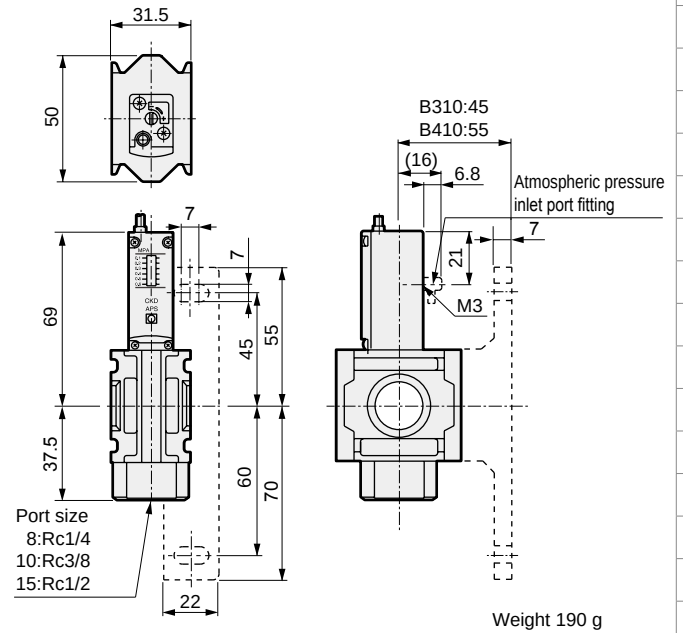
Code		Description		
A Series model No.				
1100	For 1000 Series			
4100	For 2000, 3000, and 4000 Series			
8100	For 6000 and 8000 Series			
B Port size				
		1100	4100	8100
6	Rc1/8	●		
8	Rc1/4	●	●	
10	Rc3/8		●	
15	Rc1/2		●	
20	Rc3/4			●
25	Rc1			●
C Branch direction				
Blank *2		L	R	
				
D Length of lead wire				
Blank	1 m			
3	3 m			
5	5 m			

Dimensions

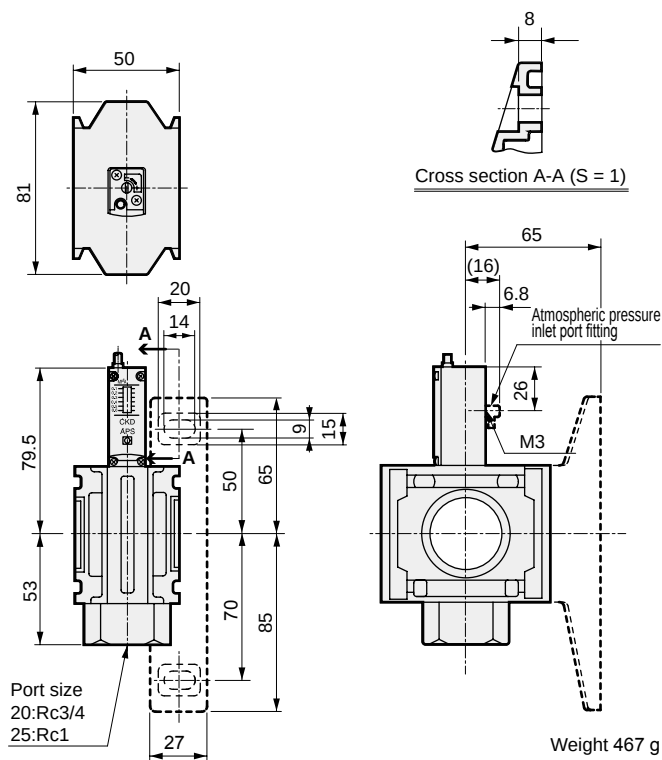
● P1100



● P4100

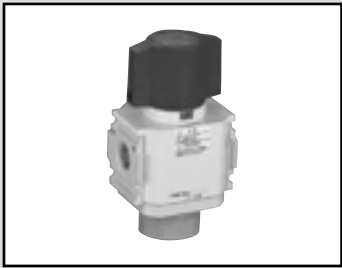


● P8100



Refer to the modular design F.R.L for specifications and safety precautions.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

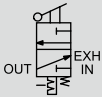


Residual pressure exhaust valve Standard White Series

V1000/V3000-W Series

One action exhaust operation. Ideal for preventing accidents due to residual pressure in pneumatic lines.
Port size: Rc1/8 to Rc1/2

JIS symbol



How to order

V3000 - 8 - W - X1 - S

A Model No.

(White type)

B Port size

⚠ Select the reverse regulator (R*100-W) or reverse filter regulator (W*100-W) when installing the V*000-W onto the primary side of the regulator or filter regulator.

C Option

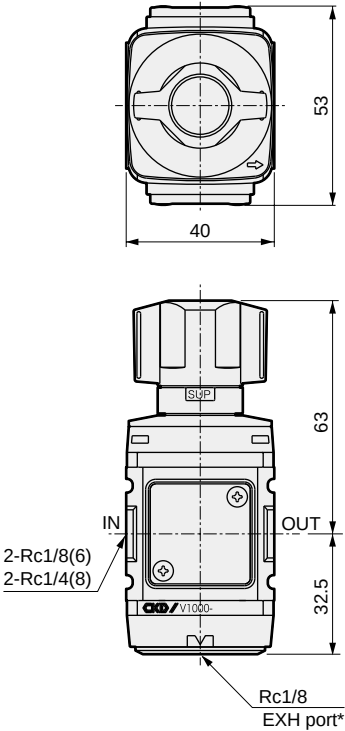
D Attachment

Code	Description		
A Model No.			
V1000	For 1000 Series		
V3000	For 2000, 3000, 4000 Series		
B Port size			
		V1000	V3000
6	Rc1/8	●	
8	Rc1/4	●	●
10	Rc3/8		●
15	Rc1/2		●
C Option			
Blank	None		
X1	IN/OUT reverse flow (right to left)		
D Other attachments			
Blank	Not included		
S	Silencer		

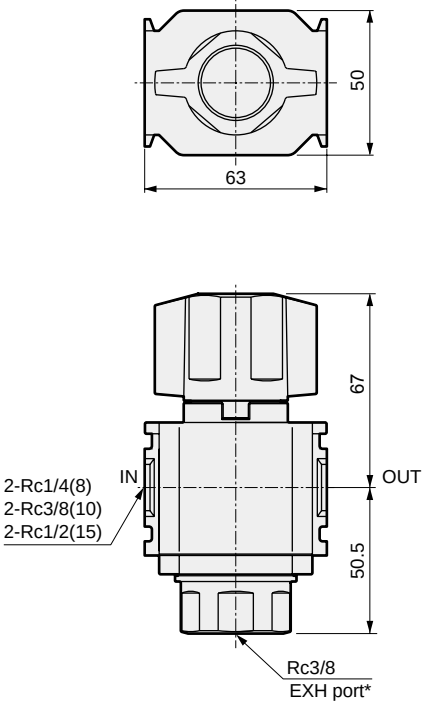
Dimensions

● V1000

● V3000

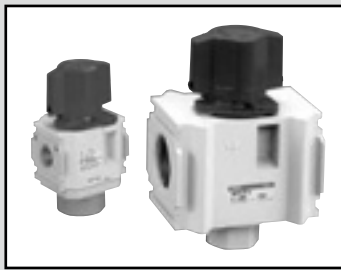


*The EXH port is dedicated for silencer mounting.



*The EXH port is dedicated for silencer mounting.

Refer to the modular F.R.L. for specifications and internal structure diagram.



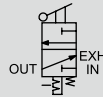
Residual pressure exhaust valve with locking hole (OSHA compliant)

V3010-W/V6010-W Series

Ideal for preventing accidents due to residual pressure in pneumatic lines.

Port size: Rc1/4 to Rc1

JIS symbol



OSHA (Occupational Safety and Health Administration)

Establishes safety standards for employees, as well as US safety standards.

[Lockout/Tagout Regulation]

When serving or maintaining machinery, the air source shall be closed with a shut-off valve (residual pressure exhaust 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."

⚠ Precautions for model No. selection

*1: Contact CKD for locking at the air supply position.

*2: The silencer element is not made of flame-resistant resin.

⚠ Select the reverse regulator (R*100-W) or reverse filter regulator (W*100-W) when installing the V*010-W onto the primary side of the regulator or filter regulator.

How to order

V3010 - 8 - W - X1 - S

A Model No.

(White type)

B Port size

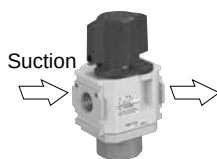
C Option

D Attachment *2

		A Model No.	
		V3010	V6010
B Port size			
8	Rc1/4	●	
10	Rc3/8	●	
15	Rc1/2	●	
20	Rc3/4		●
25	Rc1		●
C Option			
Blank	None	●	●
X1	IN/OUT reverse flow (right → left)	●	●
D Other attachments			
Blank	No included products	●	●
S	Silencer	●	●

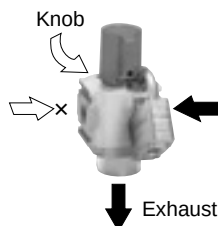
Usage methods

● Regular use



● During maintenance work

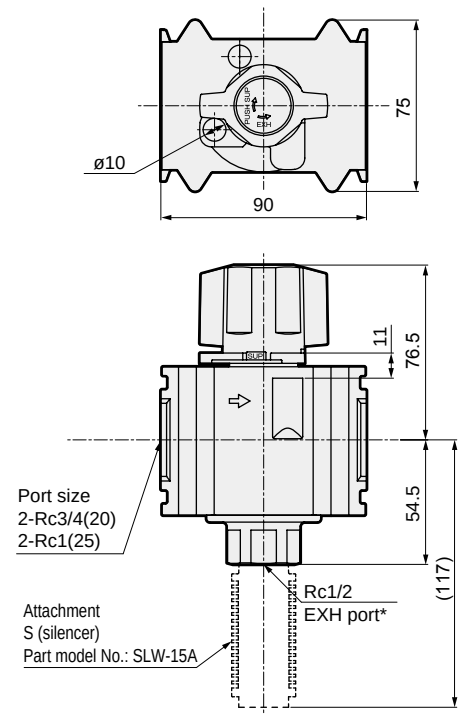
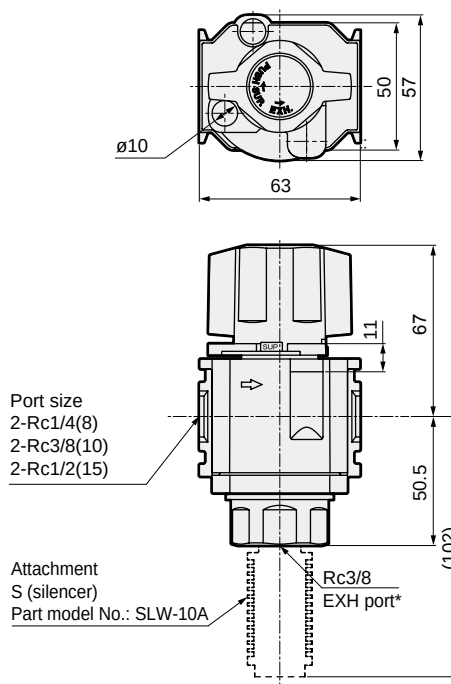
The component can be locked when residual pressure is released.



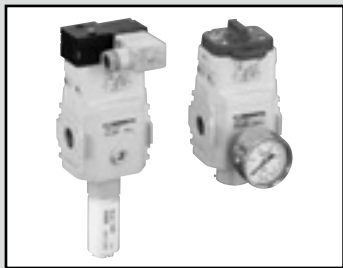
Dimensions

● V3010

● V6010



*The EXH port is dedicated for silencer mounting.



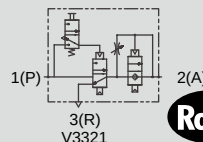
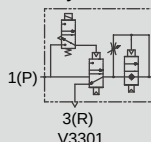
Slow start valve Standard White Series

V3301-W/V3321-W Series

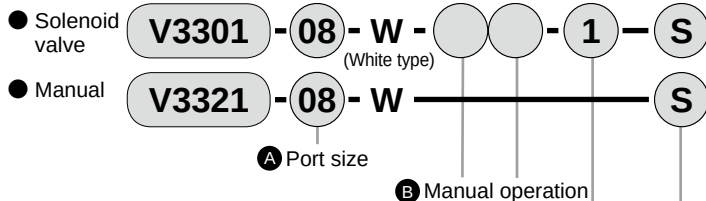
Ensuring safety
when starting and stopping.

- Port size:
Rc1/4 to Rc1/2

JIS symbol



How to order

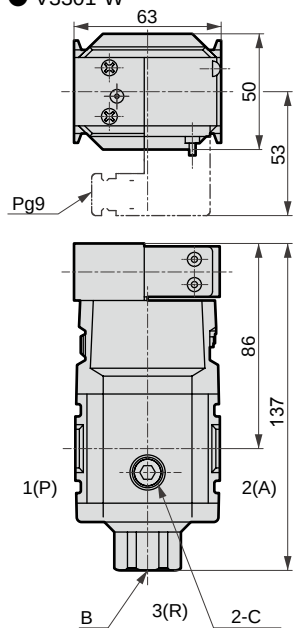


⚠ Select the reverse regulator (R*100-W) or reverse filter regulator (W*100-W) when installing the V3301-W, V3321-W onto the primary side of the regulator or filter regulator.

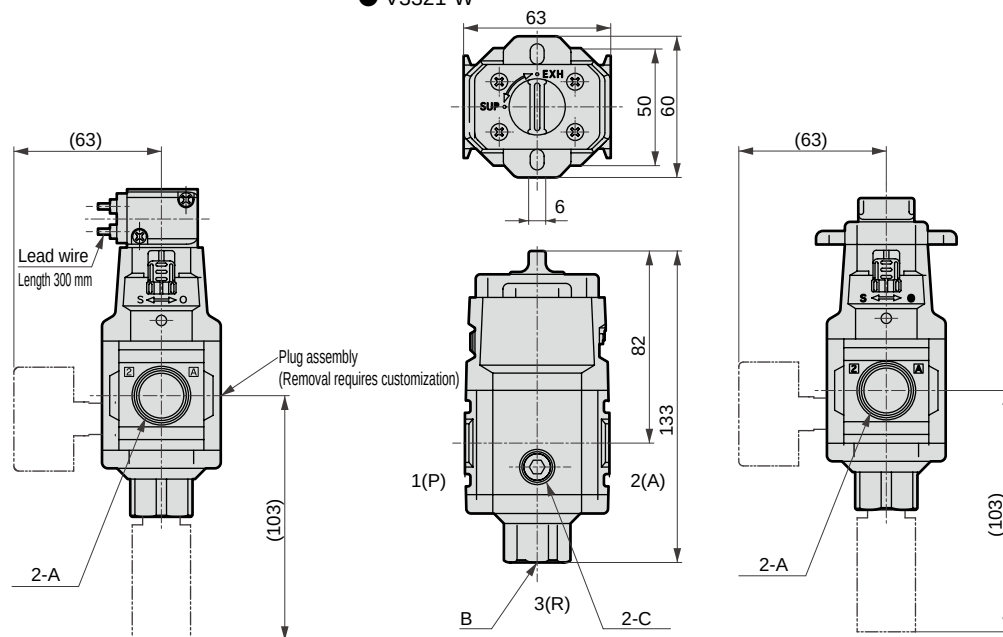
Code	Description	
A Port size		
1(P)/2(A) port		
08	Rc1/4	
10	Rc3/8	
15	Rc1/2	
B Manual operation		
Blank	Non-locking	
M1	Locking	
C Electrical connections		
Blank	Grommet lead wire	
S	Grommet lead wire with surge suppressor	
B	Terminal box	
LS	Terminal box surge suppressor/lamp	
D Voltage		
1	100 VAC 50/60 Hz	Standard
2	200 VAC 50/60 Hz	
3	24 VDC	Option
4	12 VDC	
5	110 VAC 50/60 Hz	
6	220 VAC 50/60 Hz	
E Other attachments		
Blank	None	
G49P	Pressure gauge: G49D-8-P10	
S	Silencer	

Dimensions

● V3301-W



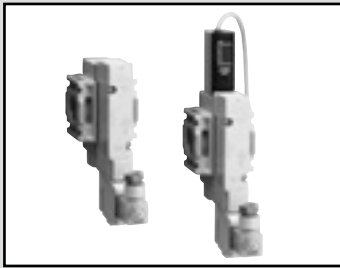
● V3321-W



	A	B	C
V3301-08-W	Rc1/4	Rc3/8	Rc1/4
V3301-10-W	Rc3/8		
V3301-15-W	Rc1/2		

	A	B	C
V3321-08-W	Rc1/4	Rc3/8	Rc1/4
V3321-10-W	Rc3/8		
V3321-15-W	Rc1/2		

Refer to the modular F.R.L. for specifications and internal structure diagram.

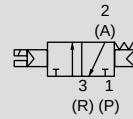


Shut-off 3-port solenoid valve

CXU30-VE-UN Series

Shut-off 3-port solenoid valve
capable of modular connection
with 2000, 3000, and 4000 Series

JIS symbol



Interface
45 mm

RoHS

Customized
only

How to order

CXU30 - **VE** - **UN** - **00** - **P** **X1** - **E20** **S** - **3**

A Model No.

B Pressure switch option

C Flow direction option

D Electrical connections

E Option

F Rated voltage

* Dedicated model No. for customized combinations.
Components cannot be purchased individually.
Refer to page 1021 for the model No. of your order.

Model No.

⚠ Precautions for model No. selection

- *1: Only the rated voltage [3] is available for the electrical connection [B2].
- *2: The length of the lead wire for the pressure switch is 1 m.
- *3: The product comes with a fitting for the atmospheric pressure inlet port of the pressure switch.

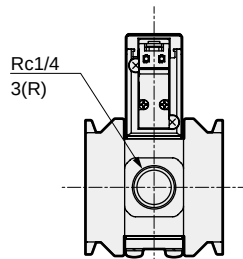
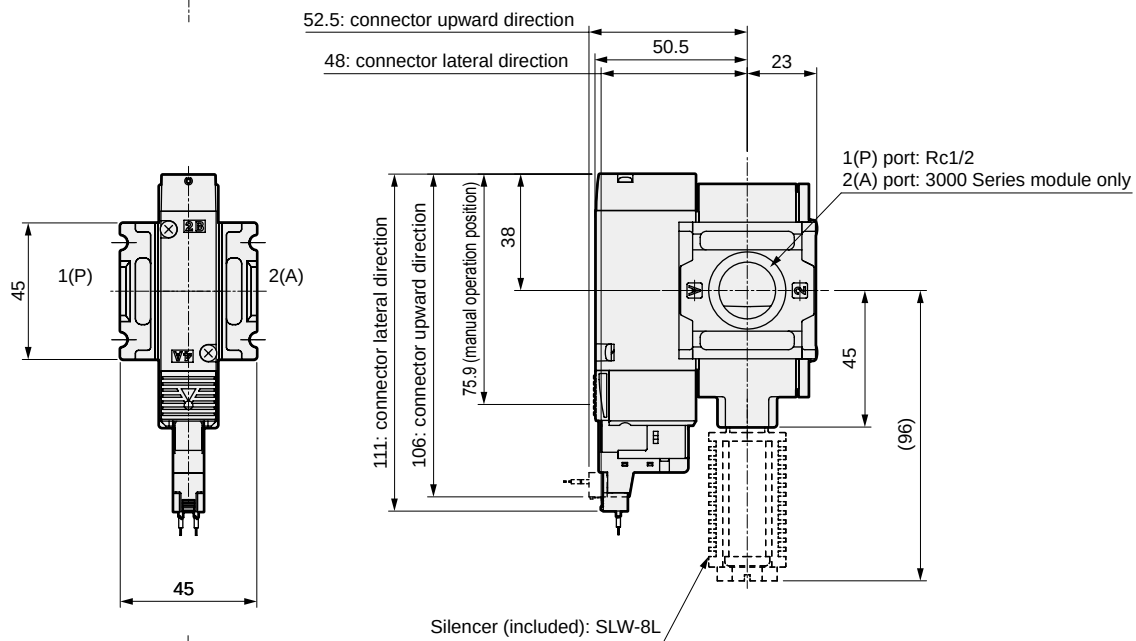
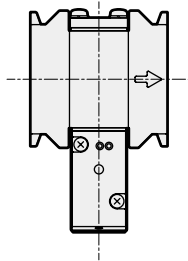
Code	Description
B Pressure switch option	
Blank	Without pressure switch
P	With pressure switch
C Flow direction option	
Blank	Standard flow (left → right)
X1	Reverse flow (right → left)
D Electrical connections	
B	DIN terminal box (Pg7) with surge suppressor/light
E20	E type connector lead wire (500 mm) with surge suppressor/light
B2	DIN terminal box with M12 connector cable (300 mm) with surge suppressor/light *1
E Option	
Blank	None
S	Silencer (SLW-8L) attached
F Rated voltage	
1	100 VAC (rectifier integrated)
3	24 VDC

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PresCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

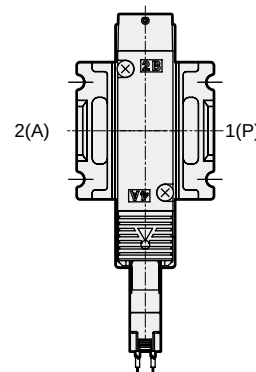
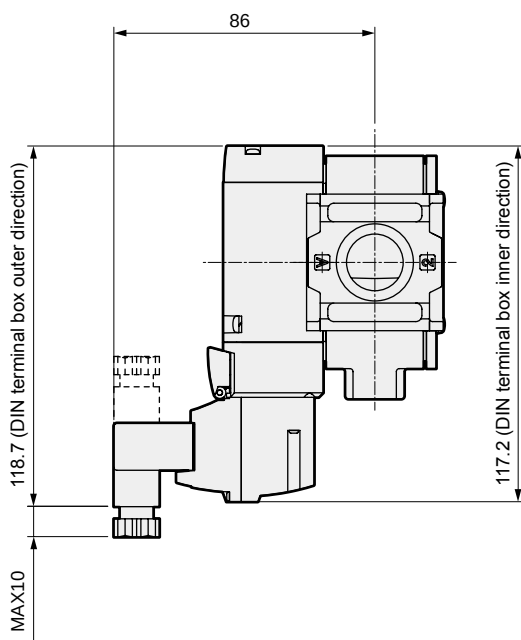
CXU30-VE-UN Series

F.R.L. Dimensions

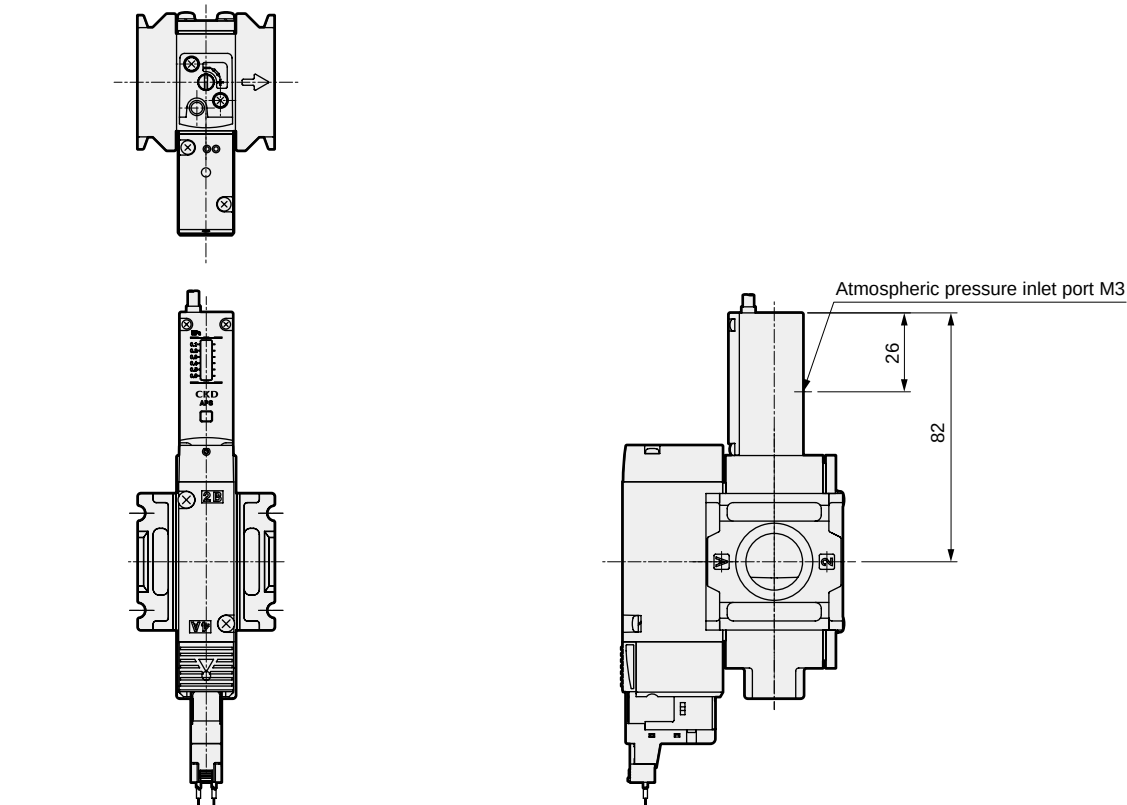
F.R. ● E type connector



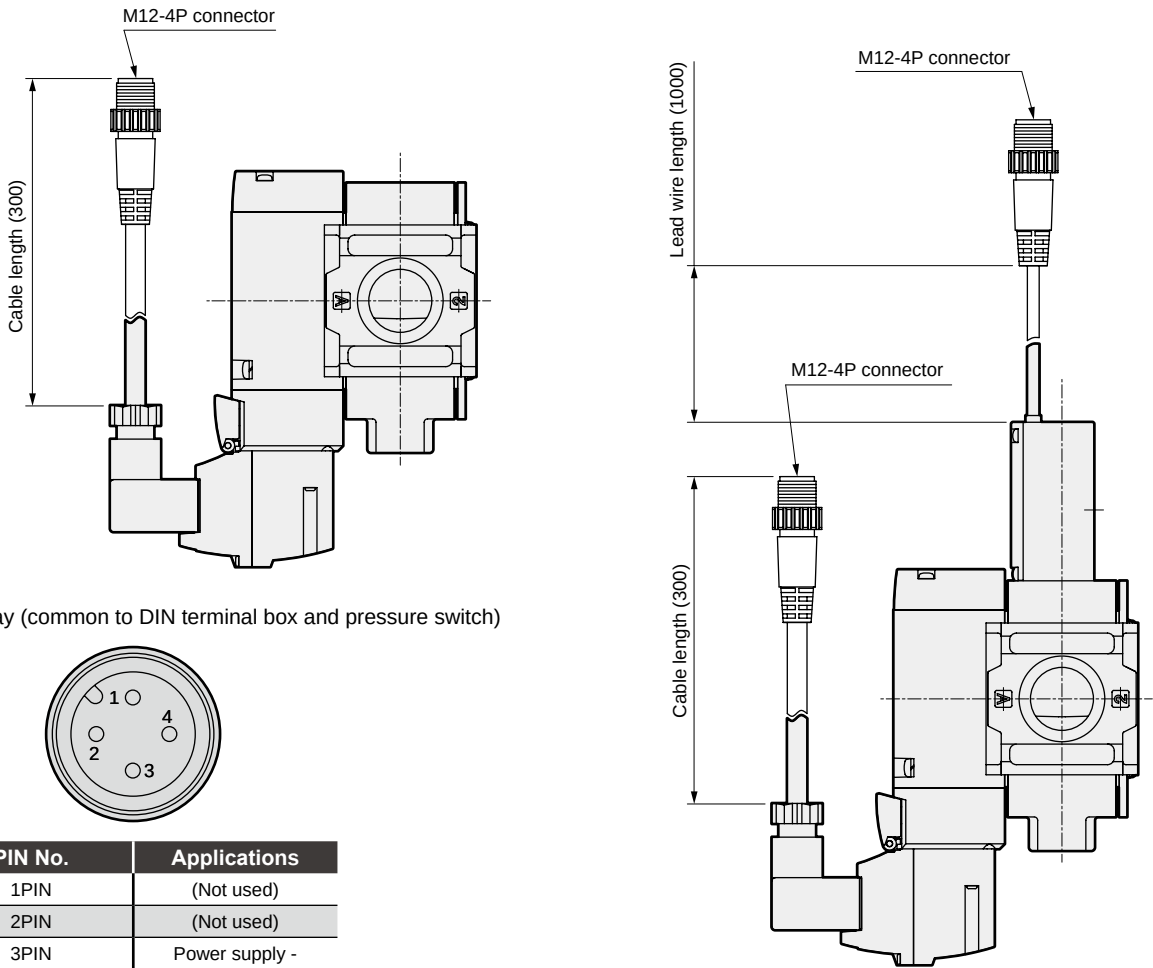
● DIN terminal box B ● Flow direction X1



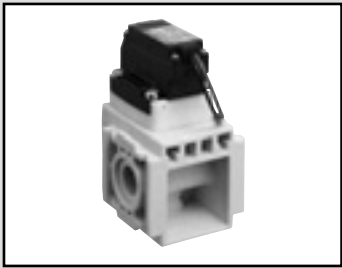
● Pressure switch P



● DIN terminal box with M12 connector cable B2 / Pressure switch P-B2



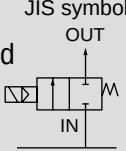
F.R.L.
F.R.
F (Filtr
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRiSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Pilot operated 2-port solenoid valve for compressed air

CXU10-EXA-UN Series

NC, diaphragm drive
Modular connection with 1000 Series enabled
Ideal for modular component blow valves



- No thread, open
- Customized only
- Expandable
- Interface 40 mm

How to order

CXU10-EXA - UN - C6 - 2C - 1

A Port size (OUT)

B Coil option

C Voltage

* Dedicated model No. for customized combinations.
Components cannot be purchased individually.
Refer to page 1026 for the model No. of your order.

⚠ Precautions for model No. selection

Coil option	Voltage	
	1	3
2C	●	●
2H	●	
2HS		●

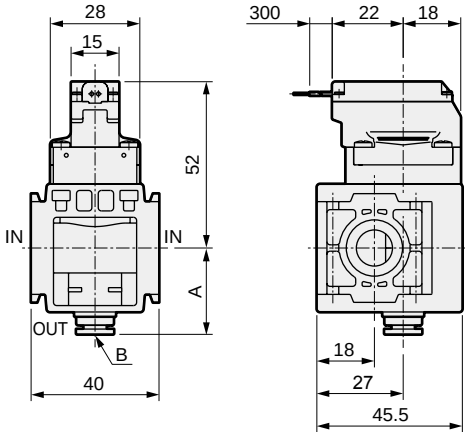
Select from the combinations indicated with ● above.

Code	Description	
A Port size (OUT)		
C6	ø6 push-in fitting	
CL6	Radial ø6 push-in fitting	
C8	ø8 push-in fitting	
CL8	Radial ø8 push-in fitting	
B Coil option *1		
2C	Standard	Lead wire (without lamp/surge suppressor)
2H	Option	DIN terminal box (Pg7), with lamp (inside terminal box)
2HS		DIN terminal box (Pg7), with lamp/ surge suppressor (inside terminal box)
C Voltage *1		
1	100 VAC 50/60 Hz	
3	24 VDC	

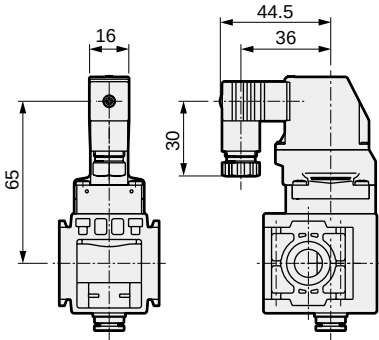
*1: Refer to the table on the left for the available coil option and voltage combinations.
*2: When using with an extremely small flow rate or when the solenoid valve's secondary side is restricted, set the pressure so that the pressure difference does not fall below 0.01 MPa with the valve opened. (Refer to precautions on page 104.) Contact CKD if the differential pressure before/after the solenoid valve with the valve opened is small.

Dimensions

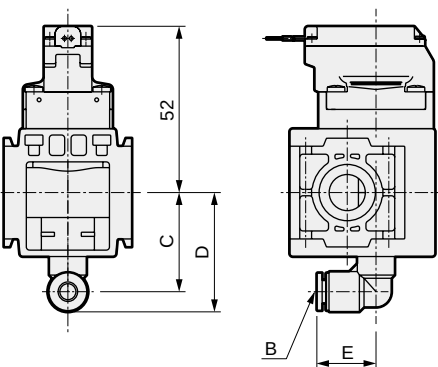
● Grommet lead wire
CXU10-EXA-UN-*****-2C-*****
Cartridge fitting: Straight



● With DIN terminal box (Pg7) type
CXU10-EXA-UN-*****-2HS-*****



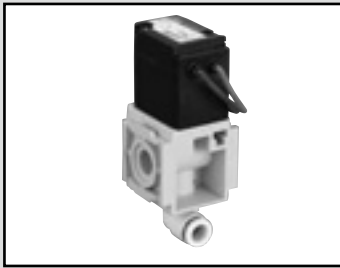
Cartridge fitting: Elbow



Optional dimensions table

Option	A	B	C	D	E
C6	27	Push-in fitting ø6	-	-	-
CL6	-	Push-in fitting ø6	31	37	18.5
C8	27	Push-in fitting ø8	-	-	-
CL8	-	Push-in fitting ø8	32	39	21

Refer to air unit components on pages 1026 and 1027 for specifications and internal structure diagram.



Direct acting 2-port solenoid valve

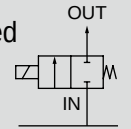
CXU10-FAB3-UN Series

NC (open when energized)

Modular connection with 1000 Series enabled

Ideal for modular component blow valves

JIS symbol



No thread,
open

Interface
40 mm

Customized
only

RoHS

CAD

How to order

CXU10-FAB3 - UN - C6 - 2C - 3

A Port size (OUT)

B Coil option

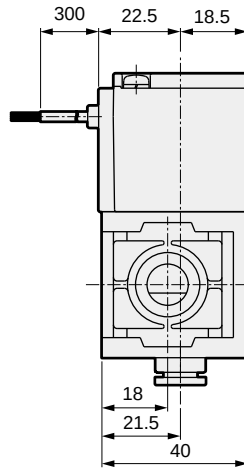
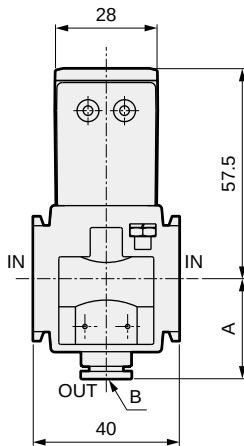
C Rated voltage

* Dedicated model No. for customized combinations.
Components cannot be purchased individually.
Refer to page 1028 for the model No. of your order.

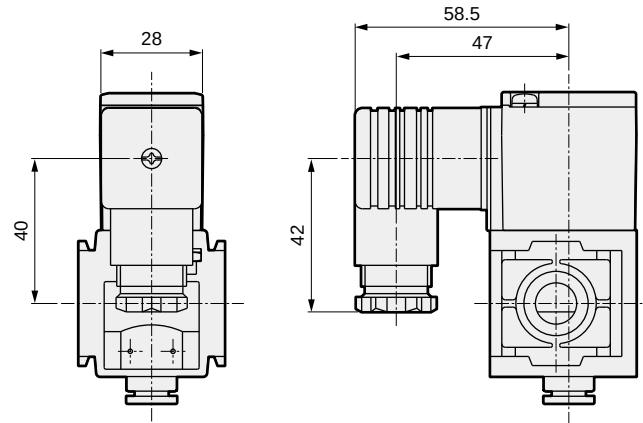
Code	Description
A Port size (OUT)	
C6	ø6 push-in fitting
CL6	Radial ø6 push-in fitting
C8	ø8 push-in fitting
CL8	Radial ø8 push-in fitting
B Coil option	
2C	Grommet lead wire
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
C Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

Dimensions

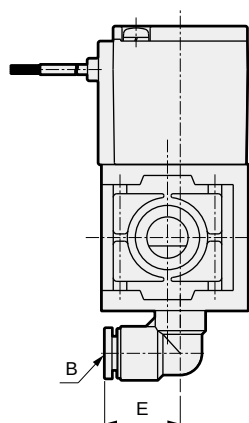
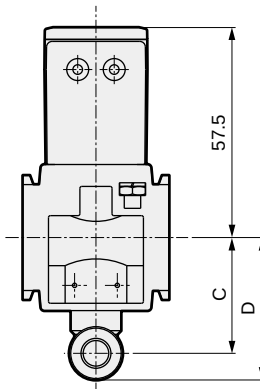
● Grommet lead wire
CXU10-FAB3-UN-*-2C-*
Cartridge fitting: Straight



● With DIN terminal box (Pg11) type
CXU10-FAB3-UN-*-2HS-*



Cartridge fitting: Elbow



Optional dimensions table

Option	A	B	C	D	E
C6	27	Push-in fitting ø6	-	-	-
CL6	-	Push-in fitting ø6	31	37	18.5
C8	27	Push-in fitting ø8	-	-	-
CL8	-	Push-in fitting ø8	32	39	21

Refer to air unit components on pages 1028 and 1029 for specifications and internal structure diagram.

CKD

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

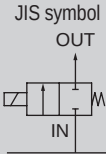


Direct acting 2-port solenoid valve

CXU30-FAB4U-UN Series

NC (open when energized)

Modular connection with 2000, 3000, and 4000 Series enabled
Ideal for modular component blow valves



Interface 50 mm
No thread release

Customized only

How to order

CXU30-FAB4U-UN-8L-2C-3

A Coil option

B Rated voltage

* Dedicated model No. for customized combinations. Components cannot be purchased individually. Refer to page 1030 for the model No. of your order.

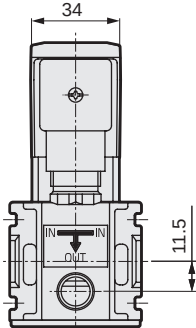
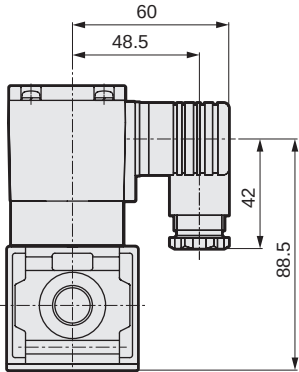
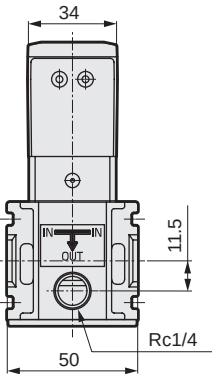
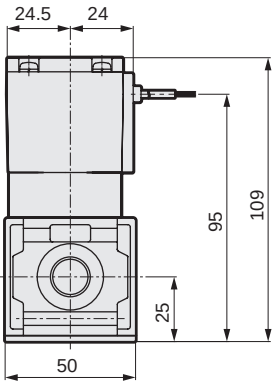
Code	Description
A Coil option	
2C	Grommet lead wire
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
B Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

Dimensions



● Grommet lead wire
CXU30-FAB4U-UN-8L-2C-*

● With DIN terminal box (Pg11) type
CXU30-FAB4U-UN-8L-2HS-*



Refer to air unit components on pages 1030 and 1031 for specifications and internal structure diagram.

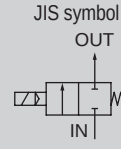


Pilot kick 2-port solenoid valve

CXU30-ADK-UN Series

NC (open when energized)
diaphragm drive

Modular connection with 2000, 3000, and 4000 Series enabled
Suitable for modular component master valve



Interface
63 mm

Customized
only

How to order

CXU30-ADK-UN-00- F 2C - 1

A Sealant

B Coil option

C Rated voltage

* Dedicated model No. for customized combinations. Components cannot be purchased individually. Refer to page 1032 for the model No. of your order.

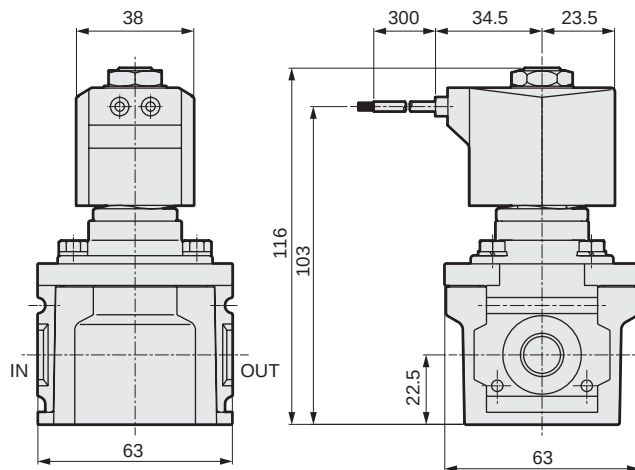
Code	Description
A Sealant	
Blank	Nitrile rubber
F	Fluoro rubber
B Coil option	
2C	Grommet lead wire *1
2HS	DIN terminal box with lamp/surge suppressor (Pg11)
C Rated voltage	
1	100 VAC 50/60 Hz, 110 VAC 60 Hz
3	24 VDC

*1: The coil option 2C is available for rated voltage [1] only.

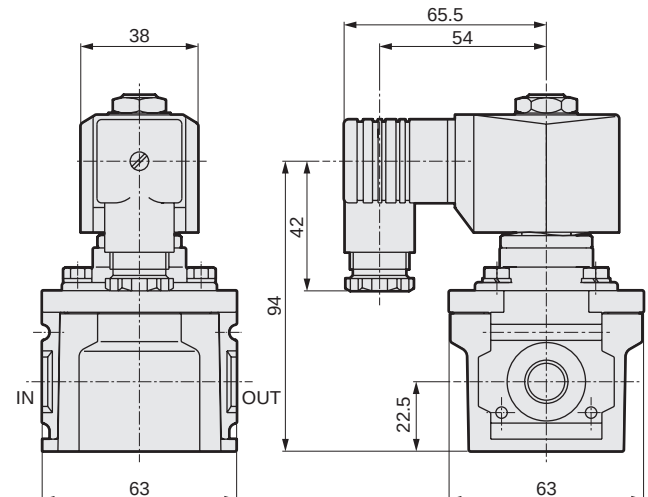
Dimensions



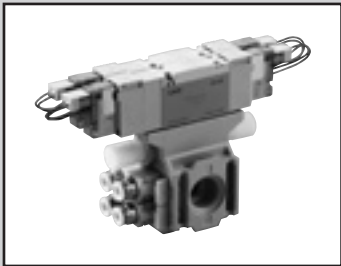
● Grommet lead wire
CXU30-ADK-UN-00-*2C-*



● With DIN terminal box (Pg11)
CXU30-ADK-UN-00-*2HS-*



Refer to air unit components on pages 1032 and 1033 for specifications and internal structure diagram.



Pilot operated 5-port valve

CXU30-4G2R-UN Series

5-port solenoid valve for modular connection
with 2000, 3000, 4000 Series

Interface
56 mm



Customized
only

No thread
release

How to order

CXU30-4G2R-UN-33-C6-E20S-3

A Model No.

B Solenoid valve (1) switching position *2, *4, *5

C Solenoid valve (2) switching position *2, *4, *5

D Port size (OUT)

E Electrical connections

F Option

G Rated voltage

* Dedicated model No. for customized combinations. Components cannot be purchased individually. Refer to page 1035 for the model No. of your order.

⚠ Precautions for model No. selection

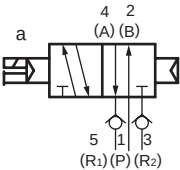
- *1: The fitting that can be mounted on the R1 port is the same as GWS□-8-S.
- *2: The exhaust check valve is provided as standard. 3-position all ports closed and PAB connection are not provided with the exhaust check valve. For the exhaust check valve, refer to page 106.
- *3: For solenoid valves (1) (2), if the port size, electrical connection, option or voltage is changed, it is processed as a customized product.
- *4: Refer to dimensions for positions of solenoid valves (1) and (2).
- *5: When masking plates are used for all solenoid valves, electrical connections and rated voltage options are blank.

Code	Description
B Solenoid valve (1) switching position	
0	Without solenoid valve: Masking plate
1	2-position single; with exhaust check valve
2	2-position double; with exhaust check valve
3	3-position all ports closed
4	3-position ABR connection; with exhaust check valve
5	3-position PAB connection
C Solenoid valve (2) switching position	
0	Without solenoid valve: Masking plate
1	2-position single; with exhaust check valve
2	2-position double; with exhaust check valve
3	3-position all ports closed
4	3-position ABR connection; with exhaust check valve
5	3-position PAB connection
D Port size (OUT)	
C4	ø4 push-in fitting
C6	ø6 push-in fitting
CL6	ø6 radial push-in fitting (facing rear)
C8	ø8 push-in fitting
E Electrical connections	
B	DIN terminal box (Pg7) with surge suppressor/lamp
E20	E-connector lead wire (500 mm) with surge suppressor/lamp
F Option	
Blank	None
S	Two silencers (SLW-8S) attached
G Rated voltage	
1	100 VAC (rectifier integrated)
3	24 VDC

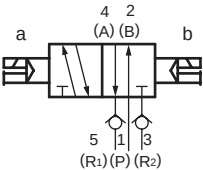
Refer to page 1039 for the solenoid valve model No. list.

JIS symbol

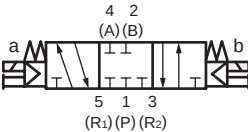
2-position single



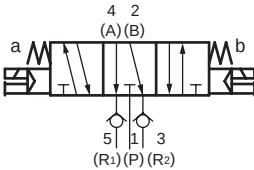
2-position double



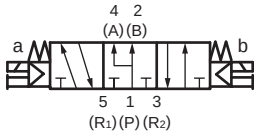
3-position all ports closed



3-position ABR connection



3-position PAB connection

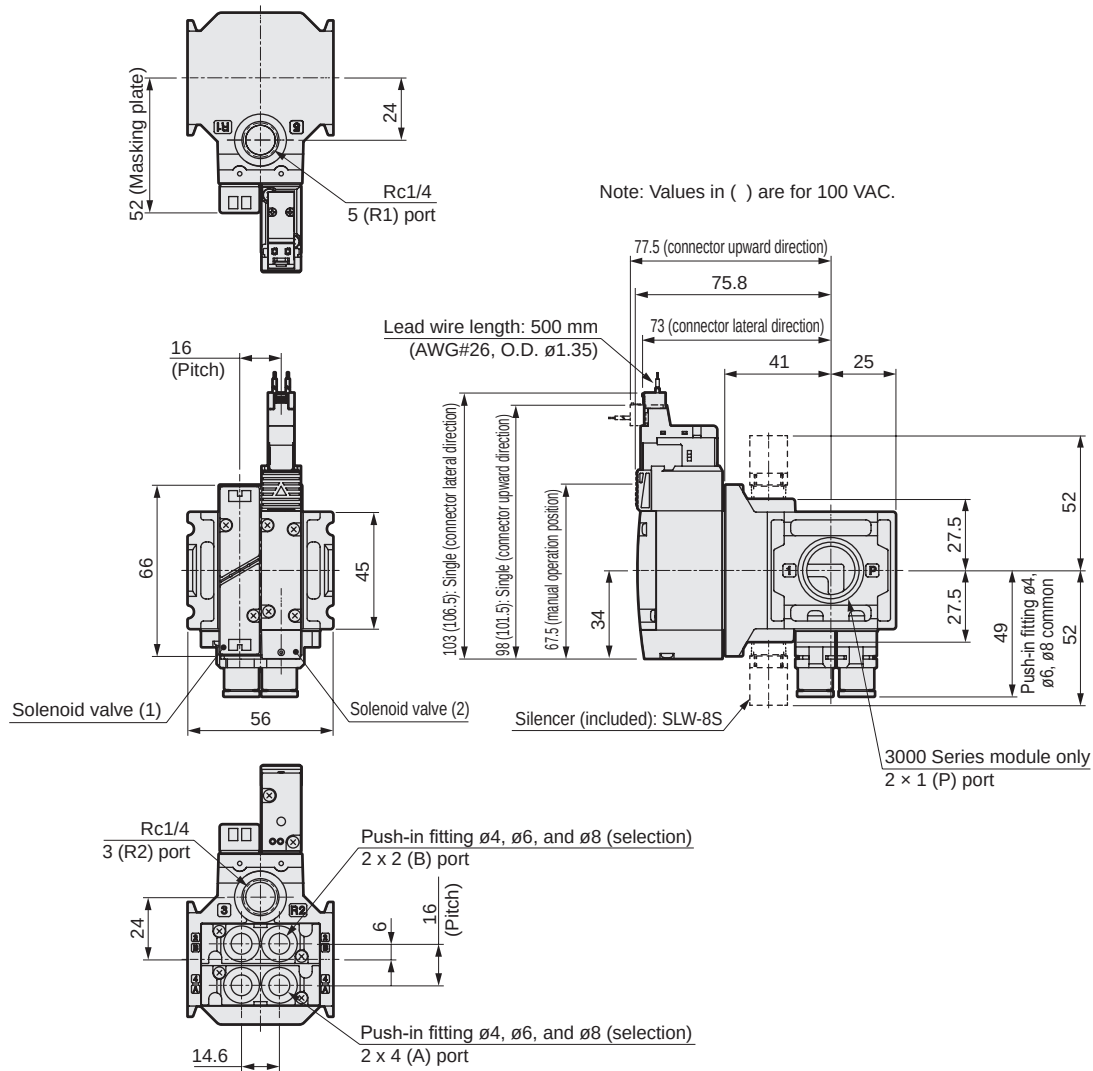


Refer to air unit components on pages 1034 and 1036 for specifications and internal structure diagram.

Dimensions

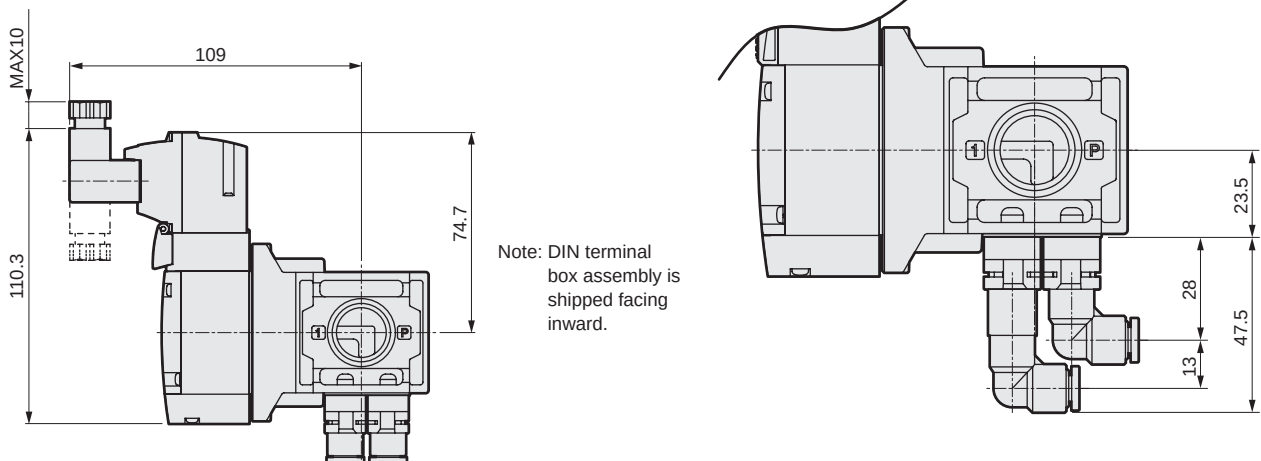
CXU30-4G2R-⁰₁

- E-connector
Cartridge fitting: Straight



- DIN terminal box (B)
Cartridge fitting: Straight

- ϕ 6 radial push-in fitting (facing rear)



F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdris FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRiSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

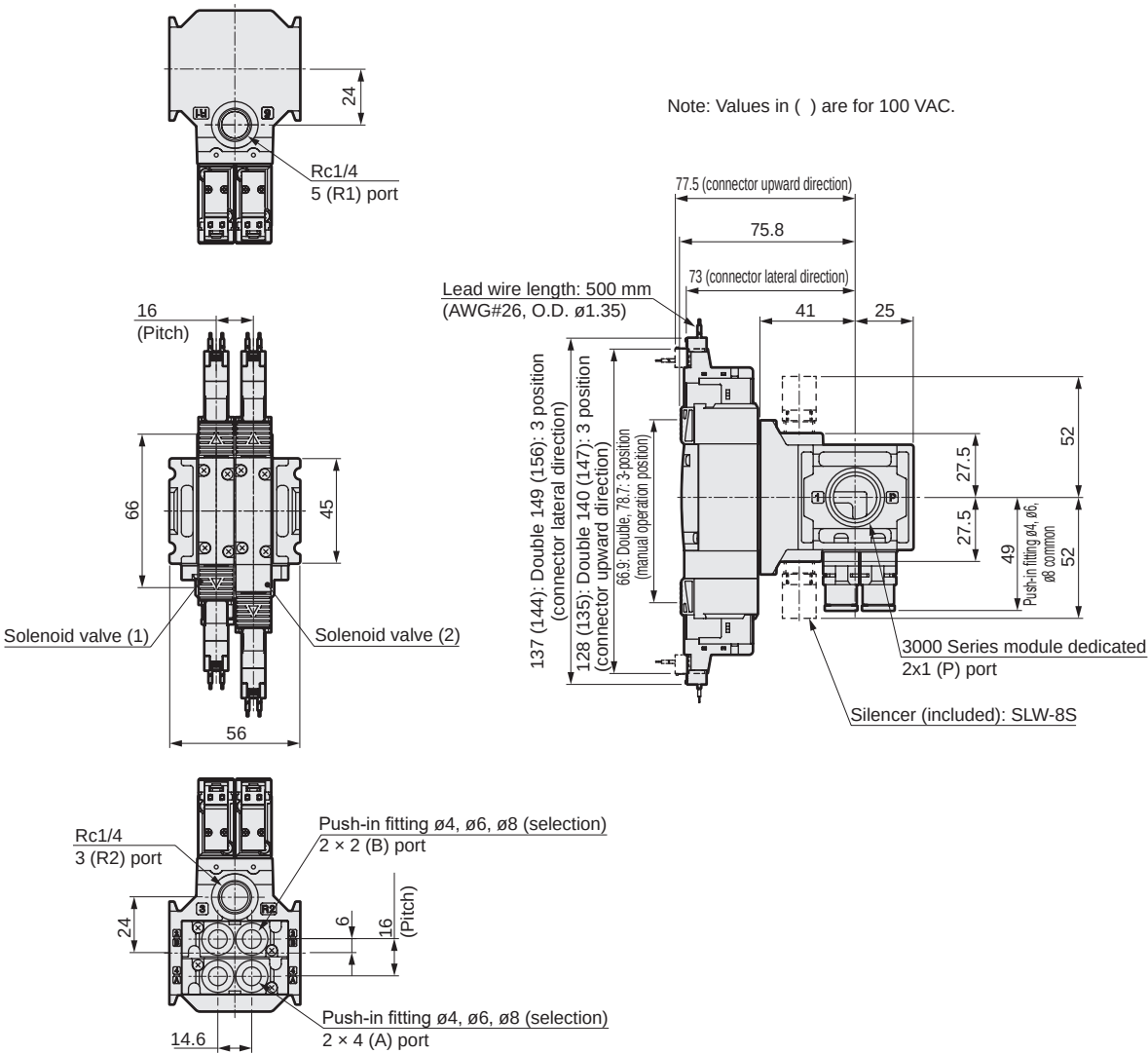
CXU30-4G2R-UN Series

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Dimensions

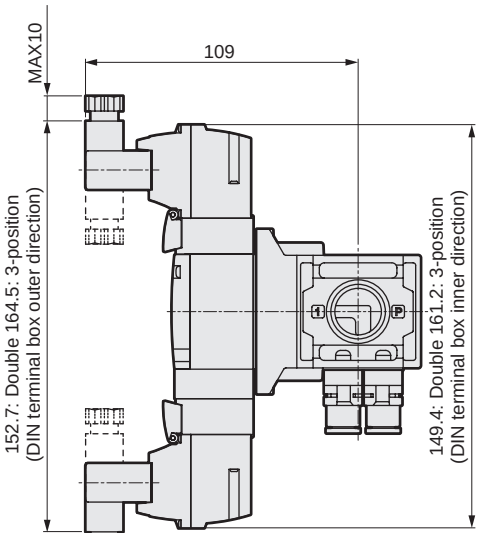
CXU30-4G2R-²/_{3 4 5}

- E-connector
Cartridge fitting: Straight

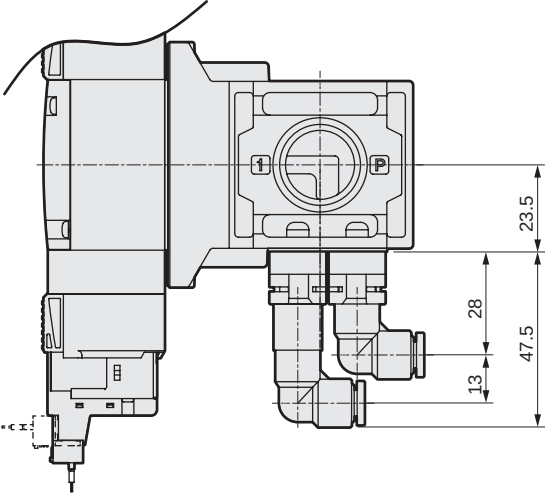


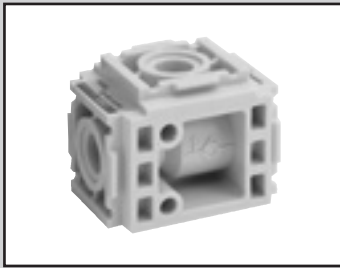
- DIN terminal box (B)
Cartridge fitting: Straight

- ø6 radial push-in fitting (facing rear)



Note: DIN terminal box assembly is shipped facing inward.





Module check valve

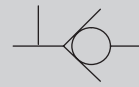
CXU10-CHV-UN Series

Completely prevents reverse flow of fluid such as compressed air.

Enabling modular connection
with F.R.L. 1000 Series

Intermediate extraction of air with branching port

JIS symbol



Interface
56 mm

Customized
only

How to order

CXU10-CHV - UN - 00 - 6 - A - X1

A Port size

B Option

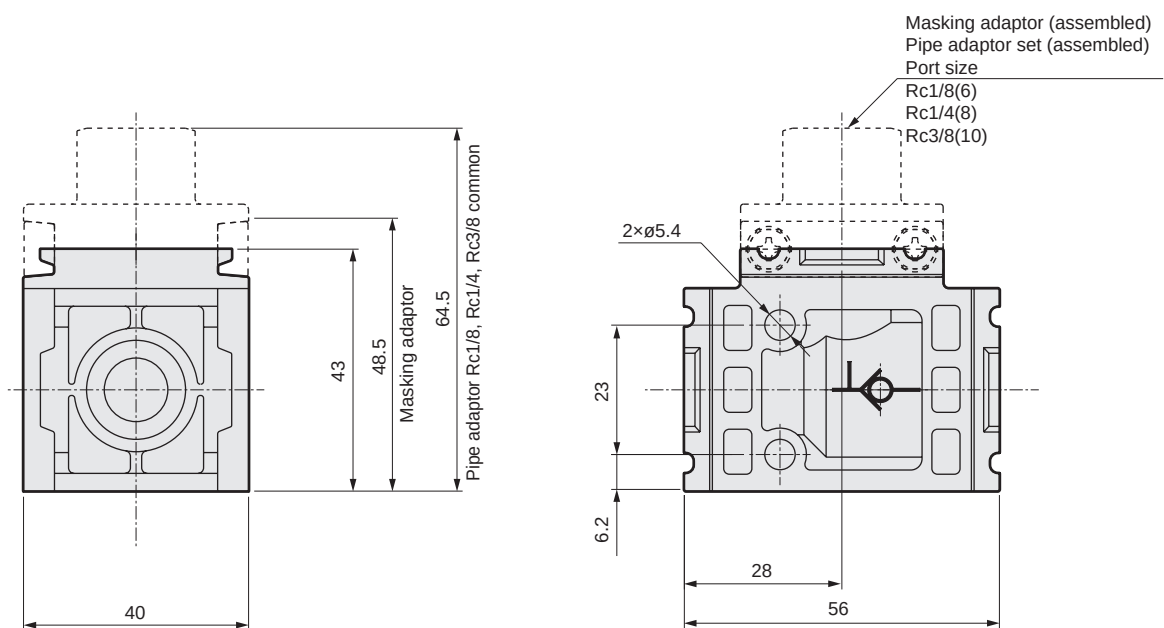
C Flow direction

*1 Dedicated model No. for customized combinations. Components cannot be purchased individually. Refer to page 1040 for the model No. of your order.

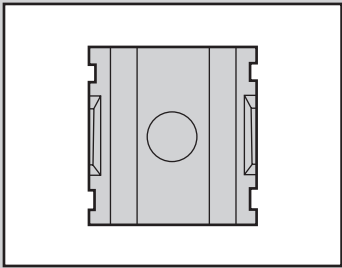
*2 The pipe adaptor and masking adaptor are mounted facing upward from the product front.

Code	Description
A Port size	
6	Pipe adaptor (Rc1/8") assembled
8	Pipe adaptor (Rc1/4") assembled
10	Pipe adaptor (Rc3/8") assembled
MA	Masking adaptor assembled
B Option	
Blank	No option
A	Fluoro rubber specifications
C Flow direction	
Blank	Standard flow (left → right)
X1	Reverse flow (right → left)

Dimensions



Refer to air unit components on pages 1040 and 1041 for specifications and internal structure diagram.



Distributor Standard White Series

D101/D401/D801-UN-W/D300-W Series

Compatible with pipe branching.
Port size: Rc1/8 to Rc1

D101
Interface
28 mm

D401
Interface
31.5 mm

D801
Interface
50 mm

D300
Interface
42 mm



How to order

D101 - UN - 00 - 6 - W

A Model No.

(White type)

B Port size

Code	Description
A Model No.	
D101	For 1000 Series
D401	For 2000, 3000, and 4000 Series
D801	For 6000 and 8000 Series
B Port size	
	D101 D401 D801
6	Rc1/8 •
8	Rc1/4 • •
10	Rc3/8 •
15	Rc1/2 •
20	Rc3/4 •
25	Rc1 •

D300 - 8 - W - Q

Distributor

(White type)

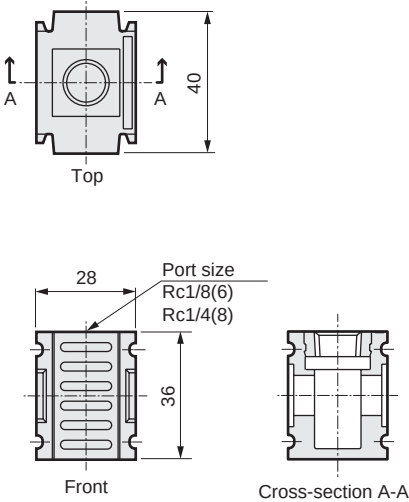
A Port size

B Option

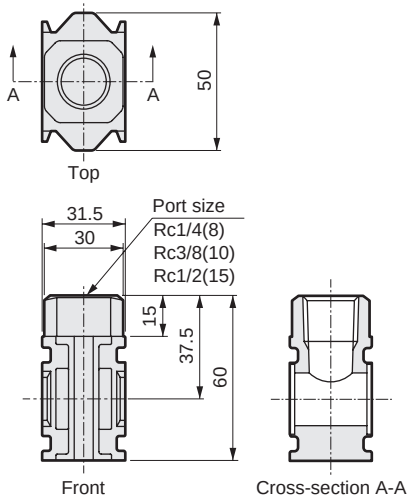
Code	Description
A Port size	
8	Rc1/4
10	Rc3/8
B Option	
Blank	None
Q	2 each of R1/4 pipe plug, R3/8 pipe plug attached

Dimensions

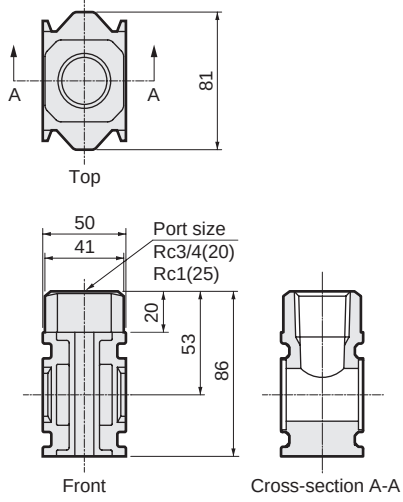
● D101-UN-00



● D401-UN-00

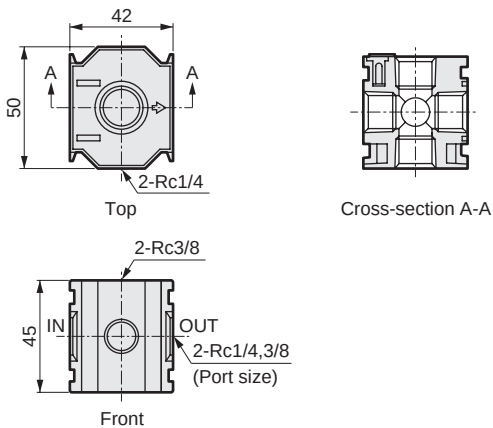


● D801-UN-00



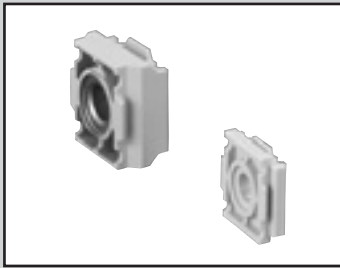
Dimensions

● D300



Application examples (D101-00-W, D401-00-W, D801-00-W)





Turn adaptor

CXU10-TA-UN/CXU30-TA-UN Series

Rotates module fitting section by 90 degrees.
Direction of module components can be changed.

No thread
open

RoHS

CAD

Customized
only

How to order

CXU10 - TA - UN - 00

A Model No.

Code	Description
A Model No.	
CXU10	1000 Series
CXU30	3000 Series

* Dedicated model No. for customized combinations.
Components cannot be purchased individually.
Refer to page 1044 for the model No. of your order.

Usage methods

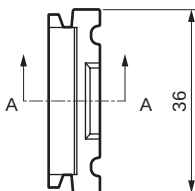


⚠ Precautions for model No. selection

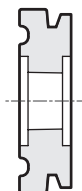
*1: CXU30-TA can be connected to 2000 Series, 3000 Series, and 4000 Series.

Internal structure and parts list/dimensions

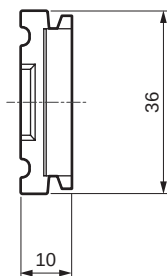
● CXU10-TA-UN



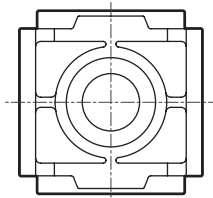
Top



Cross-section A-A

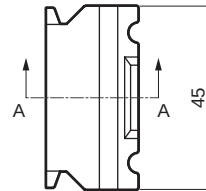


Front

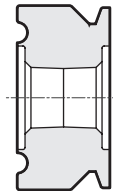


Side

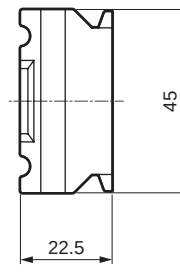
● CXU30-TA-UN



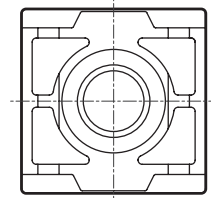
Top



Cross-section A-A

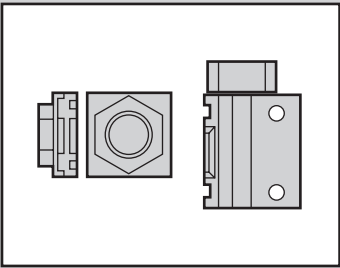


Front



Side

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Pipe adaptor/L type pipe adaptor Standard White Series

A100/A400/A800-UN-W Series

A101/A401/A801-UN-W Series

Port size: Rc1/8 to Rc1 / Rc1/4 to Rc1

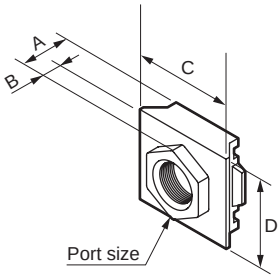


Dimensions and applications * Dedicated model No. for customized combinations. Components cannot be purchased individually.

Pipe adaptor

● Applications

- Model No.: A100-UN-6, 8, 10-W
- A400-UN-8, 10, 15, 20-W
- A800-UN-20, 20, 32-W



Model No.	Port size	Compatible series	A	B	C	D	Others
A100-UN-6-W	Rc1/8	1000 Series	21.5	13.5	40	36	-
A100-UN-8-W	Rc1/4						
A100-UN-10-W	Rc3/8						
A400-UN-8-W	Rc1/4	2000 and 3000 Series	20 (25)	6 (11)	50	45	Numbers shown in () are for Rc3/4
A400-UN-10-W	Rc3/8						
A400-UN-15-W	Rc1/2						
A400-UN-20-W	Rc3/4						
A800-20-W	Rc3/4	6000 and 8000 Series	35 (38)	15 (18)	81	66	Numbers shown in () are for 1 1/4.
A800-25-W	Rc1						

L type pipe adaptor

How to order

A101 - UN - 6 - W
(White type)

- A Model No.
- B Port size

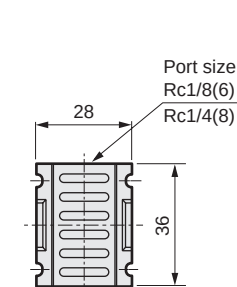
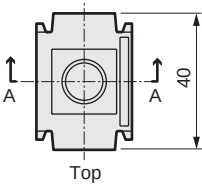
● Applications



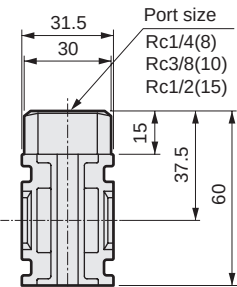
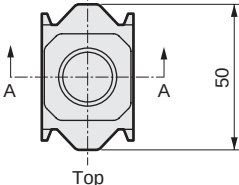
Code		Description		
A Model No.				
A101		For 1000 Series		
A401		For 2000, 3000, and 4000 Series		
A801		For 6000 and 8000 Series		
B Port size				
		A101	A401	A801
6	Rc1/8	●		
8	Rc1/4	●	●	
10	Rc3/8		●	
15	Rc1/2		●	
20	Rc3/4			●
25	Rc1			●

Dimensions

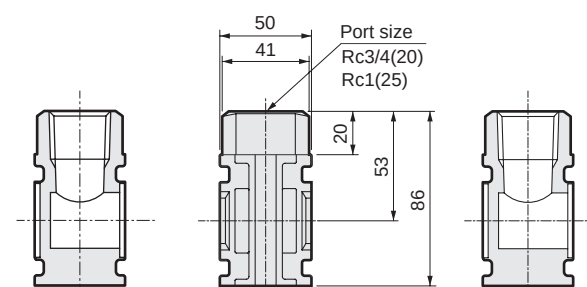
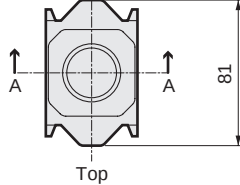
● A101-UN

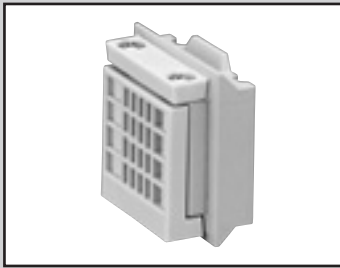


● A401-UN



● A801-UN





Masking adaptor

CXU10-MA-UN CXU30-MA-UN Series

Used for fitting section
masking.

Customized
only

CXU10-MA

CXU30-MA

Interface
10.5 mm

Interface
21.5 mm

RoHS

CAD

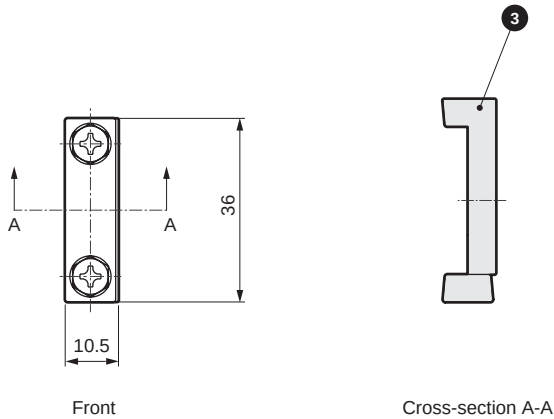
How to order

CXU10-MA-UN-00
CXU30-MA-UN-00

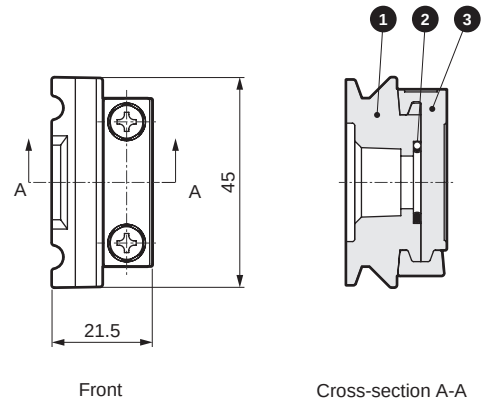
* Dedicated model No. for customized combinations.
Components cannot be purchased individually.

Internal structure and parts list/dimensions

● CXU10-MA-UN-00



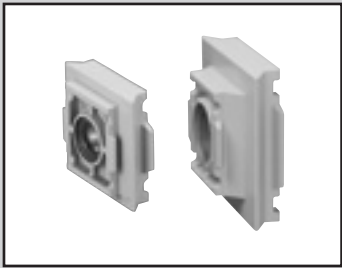
● CXU30-MA-UN-00



No.	Part name	Model No.
1	Module conversion adaptor	CXU13-CA-00
2	O-ring	JASO-2013
3	Masking adaptor	CXU10-MA-00

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

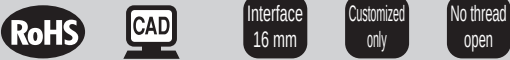
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



Module conversion adaptor

CXU13-CA-UN/CXU48-CA-UN Series

Capable of connecting 1000 Series with 2000, 3000, 4000 Series and 2000, 3000, 4000 Series with 6000, 8000 Series.

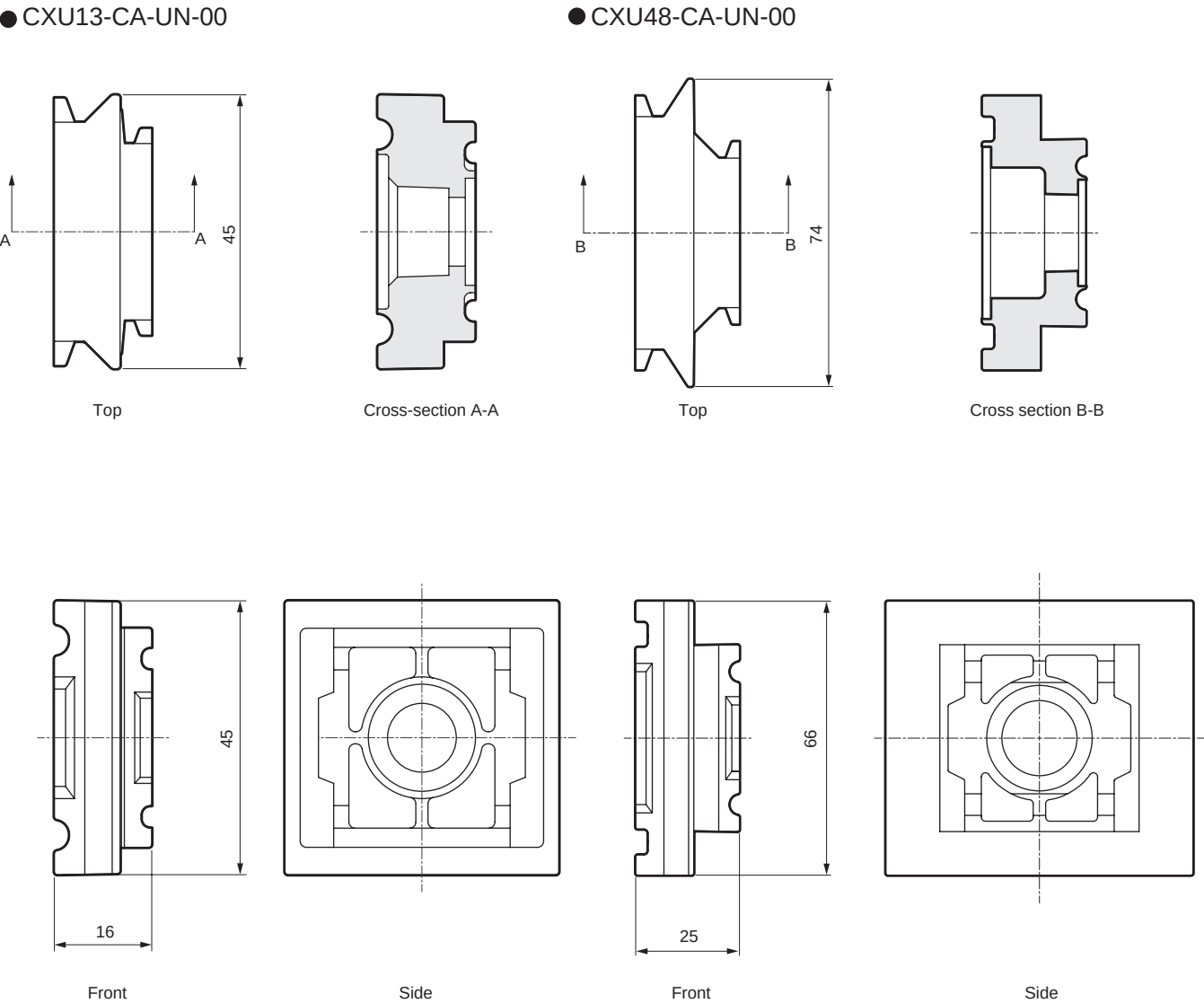


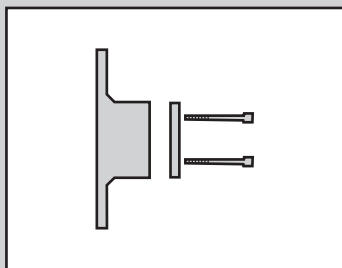
How to order

CXU13-CA-UN-00
CXU48-CA-UN-00

* Dedicated model No. for customized combinations.
Components cannot be purchased individually.
Refer to page 1046 for the model No. of your order.

Dimensions





Bracket/joiner

B-UN-W/J-UN-W Series

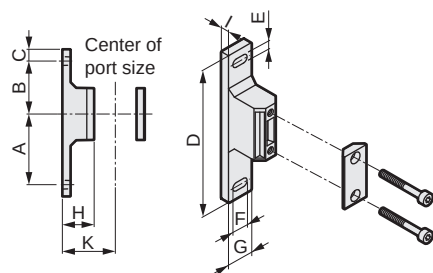


Dimensions and applications * Dedicated model No. for customized combinations. Components cannot be purchased individually. Refer to page 1047 for the model No. of your order.

T-bracket set

● Model No.: B110-UN-W / B310-UN-W / B410-UN-W / B810-UN-W

● Applications



*1: B310-UN-W and B410-UN-W cannot be combined.

*2: By using B110-UN-W, the 1000 Series can be adjusted to the same height as the 3000 Series.

Model No.	Compatible series	A	B	C	D	E	F	G	H	I	K
B110-UN-W	1000 Series	45	35	10	100	5.5	7.5	16	25	7.5	40
B110-UN-H-W	1000 Series	45	35	10	100	5.5	7.5	16	30	7.5	45
B310-UN-W	2000 Series	60	45	10	125	7	14	22	27	7	45
	3000 Series										
B410-UN-W	4000 Series	60	45	10	125	7	14	22	37	7	55
B810-UN-W	6000 Series	70	50	15	150	9	14	27	37	8	65
	8000 Series										

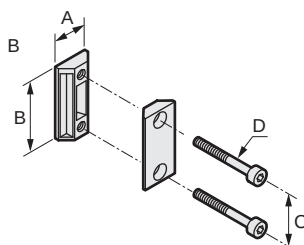
Joiner set

● Model No.: C1000-J100-UN-W

C4000-J400-UN-W

C8000-J800-UN-W

● Applications



Model No.	Compatible series	A	B	C	D
C1000-J100-UN-W	1000 Series	10	36	26	M3.5
C4000-J400-UN-W	2000 Series	21	44	32	M5
	3000 Series				
	4000 Series				
C8000-J800-UN-W	6000 Series	26	65	50	M6
	8000 Series				