



Filter/regulator standard white Series





# W1000/W3000/W4000/W8000-W Series

New Series of 5 µm elements for dust removal, and 0.3 µm elements for tar removal.  
Port size: 1/8 to 1

JIS symbol



## Specifications

Descriptions	W1000-W	W3000-W	W4000-W	W8000-W
Appearance				
Working fluid	Compressed air			
Max. working pressure MPa	1.0    Note 2, 3, 4			
Withstanding pressure MPa	1.5,    Note 2			
Ambient temperature range    °C	5 to 60    Note 5			
Filtration rating    μm	5	5 or 0.3		
Set pressure range MPa	0.05 to 0.85    Note 2	0.05 to 0.85		
Relief	With relief mechanism			
Drain capacity    cm <sup>3</sup>	12	45	80	80 (Note 1)
Port size    Rc, NPT, G	1/8, 1/4 (3/8 uses an adapter)	1/4, 3/8 (1/2 uses an adapter)	1/4, 3/8, 1/2 (3/4 uses an adapter)	3/4, 1 (1 1/4 uses an adapter)
Product weight    kg	0.175	0.6	0.9	2.0
Standard accessories	Pressure gauge, bowl guard			

Note 1: Drainage accumulates up to 170 cm<sup>3</sup> only with the manual drain cock.

Note 2: When "F1" with an automatic drain is selected for the W1000-W series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and the guaranteed pressure resistance is 1.05 MPa. Refer to the maximum processing flow table (page 83) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

Note 3: Minimum operating pressure of automatic drain is 0.1MPa for "F" with automatic drain.

Air is purged with initial drainage until pressure reaches 0.1 MPa.

Note 4: The minimum operation pressure of the automatic drain is 0.15 MPa for the "F1" with an automatic drain.

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

## Ozone specifications

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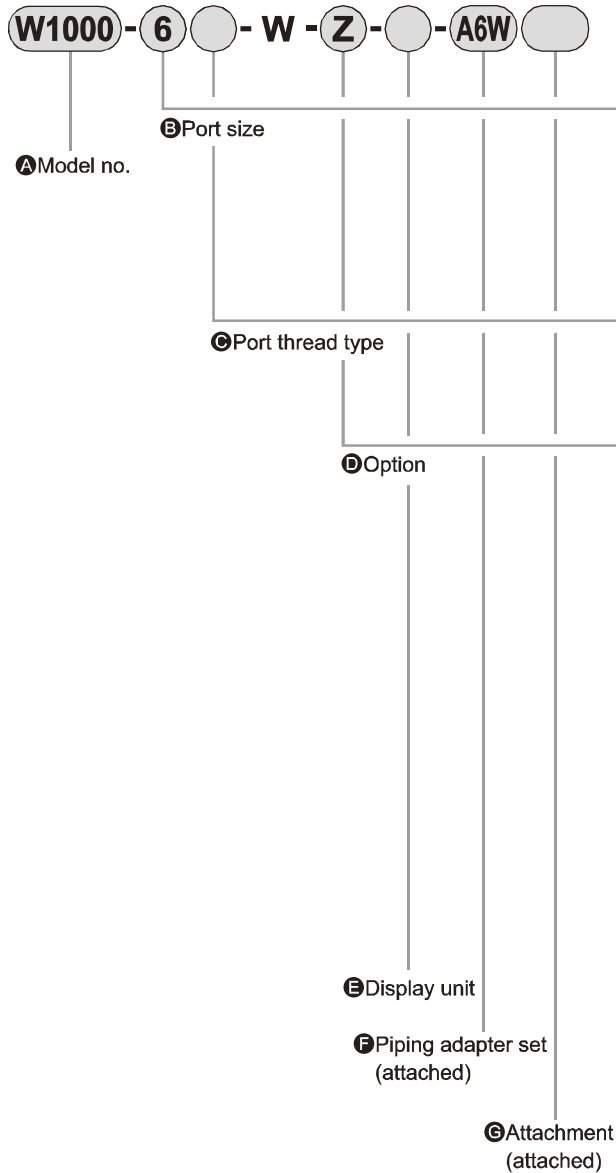
## Clean room specifications

(Catalog No. CB-033SA)

● Dust generation preventing structure for use in cleanrooms

W\*000-..... - P7\*

### How to order



\* Refer to page 9 for explanation of an option.

A Model no.			
W	W	W	W
1	3	4	8
0	0	0	0
0	0	0	0

Symbol	Descriptions				
<b>B Port size</b>					
6	1/8	●			
8	1/4	●	●	●	
10	3/8		●	●	
15	1/2			●	
20	3/4				●
25	1				●

C Port thread type		Note 1			
Blank	Rc thread	●	●	●	●
N	NPT thread	●	●	●	●
G	G thread	●	●	●	●

D Option		Note 2			
Drainage	Blank	With manual drain cock	●	●	●
	F	Automatic drain with manual override (NO type: Exhaust without pressurized)		●	●
	F1	Automatic drain with manual override (NC type: No exhaust without pressurized)	●	●	●
	FF	Large automatic drain with manual override (NO type: Exhaust without pressurized)			●
Note 3	FF1	Large automatic drain with manual override (NC type: No exhaust without pressurized)			●
	Blank	Polycarbonate bowl	●	●	●
	Z	Nylon bowl	●	●	●
	M	Metal bowl		●	●
Bowl material	M1	Metal bowl with manual drain cock		●	●
	Blank	5μm	●	●	●
Element	Y	0.3μm (submicron) Note 4		●	●
	Blank	0.05 to 0.85MPa	●	●	●
Pressure range	L	0.05 to 0.35MPa	●	●	●
	Blank	With relief mechanism	●	●	●
Relief	N	Nonrelief type	●	●	●
	Blank	With standard pressure gauge (G401-W)	●	●	●
Pressure gauge	T	Without pressure gauge (a pressure gauge port (Rc1/4) is assembled with sealed)	●	●	●
	T8	Pressure gauge attached (a pressure gauge port (Rc1/4) is assembled by open)	●	●	●
	T6	Digital pressure sensor PPX attached option	●	●	●
	R1	Pressure switch with display PPD assembly	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●
	X1	Reverse flow (right → left)	●	●	●

E Display unit					
Blank	MPa display, Rc thread	●	●	●	●
J1	MPa display, NPT, G thread	●	●	●	●

F Piping adapter set (attached)		Note 6 Pages 151 to 153			
Blank	Not attached	●	●	●	●
A6*W	1/8 piping adapter set	●			
A8*W	1/4 piping adapter set	●	●	●	
A10*W	3/8 piping adapter set	●	●	●	
A15*W	1/2 piping adapter set		●	●	
A20*W	3/4 piping adapter set			●	●
A25*W	1 piping adapter set				●
A32*W	1 1/4 piping adapter set				●

* Adaptor screw type					
Blank	Rc thread	●	●	●	●
N	NPT thread	●	●	●	●
G	G thread	●	●	●	●

G Attachment (attached)		Pages 148,194			
Blank	Not attached	●	●	●	●
BW	C type bracket	●	●	●	●
B3W Note 7	L type bracket	●	●	●	
G49P	G49D-8-P10 (L: G49D-8-P04)	●	●	●	●
G59P	G59D-8-P10 (L: G59D-8-P04)	●	●	●	●
G40P	G40D-8-P10 (L: G40D-8-P04)	●	●	●	●
G50P	G50D-8-P10 (L: G50D-8-P04)	●	●	●	●
G41P	G41D-8-P10 (L: G41D-8-P04)	●	●	●	●
G52P	G52D-8-P10 (L: G52D-8-P10)	●	●	●	●
R2 Note	Digital pressure sensor: PPX-R10N-6M	●	●	●	●

### Note on model no. selection

Note 1: When G threads or NPT threads are selected, the IN, OUT, gauge port, and drain port (metal bowl automatic drain) are available.

Note 2: Select options per drainage, bowl material, element, and regulator sections.

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

Note 3: Refer to page 11 for the automatic drain use conditions.

Note 4: Refer to page 83 for maximum processing flow when option "Y" is selected.

Note 5: When option "T6" is selected, only "blank" or "R2" is selected for the pressure gauge (enclosed). The digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated.

Note 6: The piping adapter set and C bracket cannot be used together.

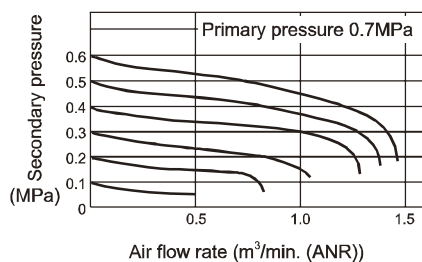
Note 7: Refer to Section 2. Regulator, in "CAUTIONS for Installation and Adjustment" (page 14) for details on mounting the L-type bracket.

Note 8: If NPT is selected for the piping thread type, a NPT pressure gauge is enclosed. If Rc or G thread is selected, an R thread pressure gauge is enclosed.

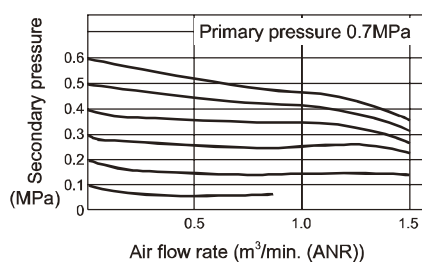
# Filter/Regulator Series

## Flow characteristics

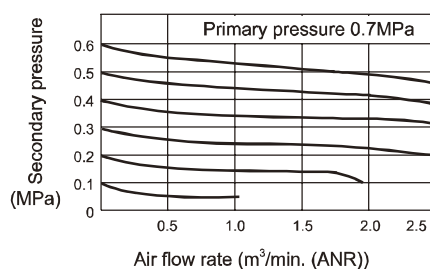
● W1000-6-W



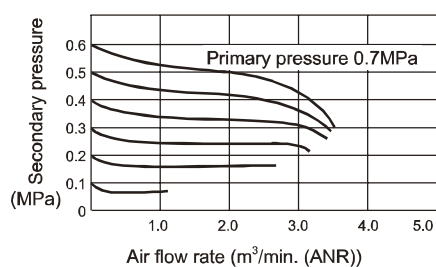
● W1000-8-W



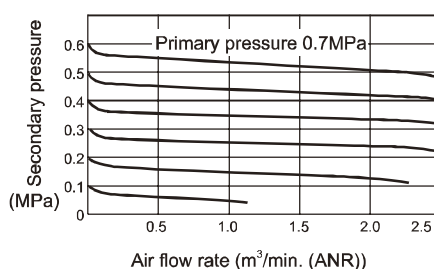
● W3000-8-W



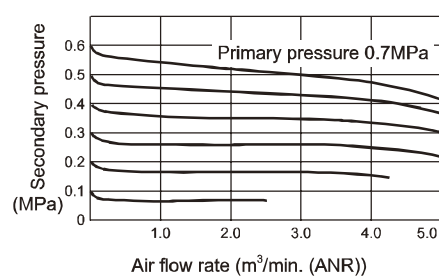
● W3000-10-W



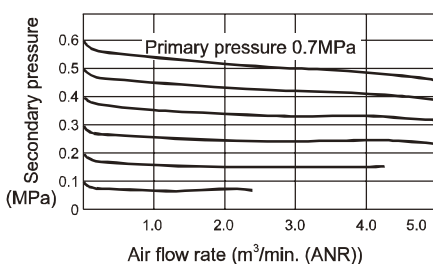
● W4000-8-W



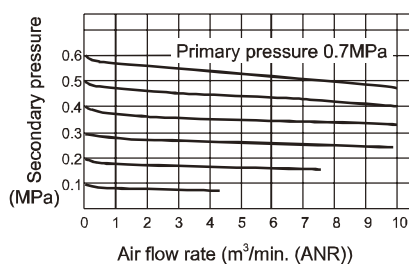
● W4000-10-W



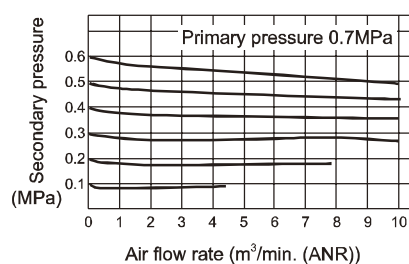
● W4000-15-W



● W8000-20-W

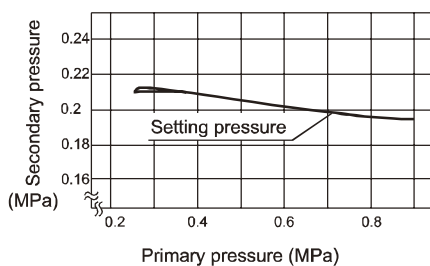


● W8000-25-W

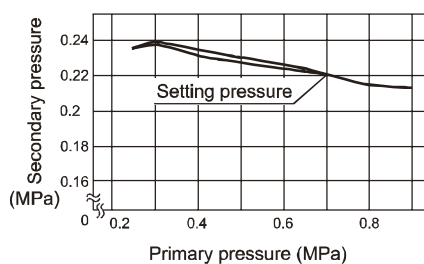


## Pressure characteristics

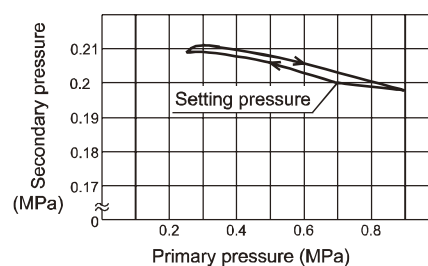
● W1000-W



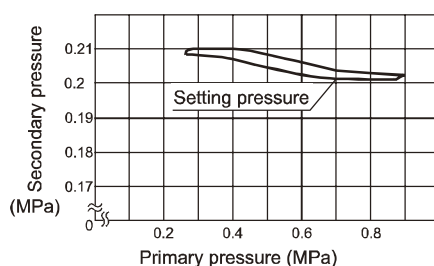
● W3000-W



● W4000-W

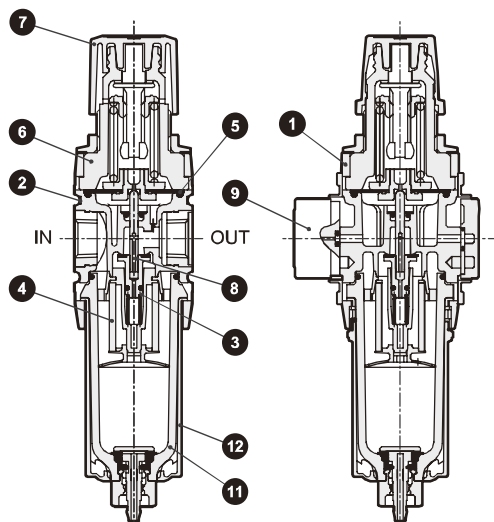


● W8000-W

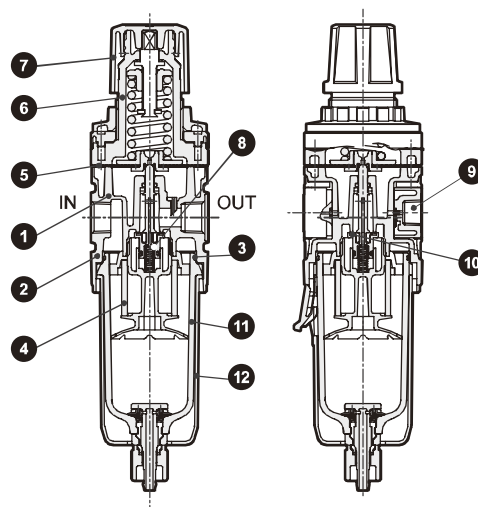


### Internal structure and parts list

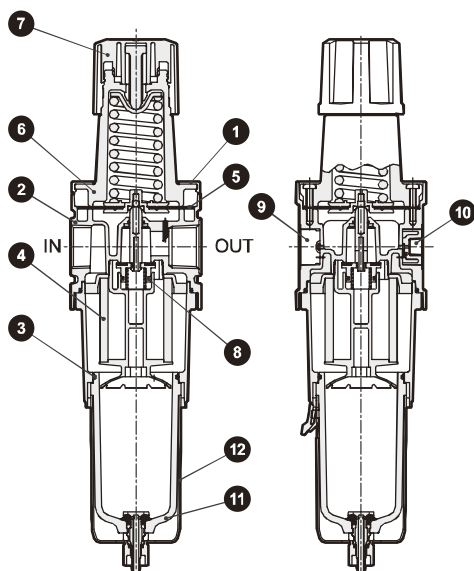
#### ● W1000-W



#### ● W3000-W/W4000-W



#### ● W8100-W



No.	Part name		Material			
			W1000-W	W3000-W	W4000-W	W8000-W
1	Plate cover		ABS resin			
2	Body		Polyamide resin, steel	Aluminum alloy die-casting		
3	O ring	Note 2	Special nitrile rubber			
4	Element	Note 1	Polyacetal resin polypropylene	Polypropylene		
5	Diaphragm assembly		Polyacetal resin polypropylene	Zinc alloy die-casting, nitrile rubber		
6	Guard		Polyamide resin	PBT resin		Aluminum alloy die-casting
7	Knob		Polyacetal resin			
8	Valve assembly		Brass, hydrogen nitrile rubber (polyacetal resin: W3000-W, W4000-W only)			
9	Pressure gauge assembly		PBT resin, polyacetal resin, polycarbonate resin, nitril rubber, brass, steel			
10	Gauge plug assembly		-	Polyamide resin, nitrile rubber, steel		
	Blanking plug assembly		PBT resin, nitrile rubber, steel	-		
11	Bowl assembly		Polycarbonate resin, polyacetal resin, urethane rubber resin			
12	Bowl guard		Polyamide resin	Polyamide resin		

Note 1: W1000-W has an element assembly.

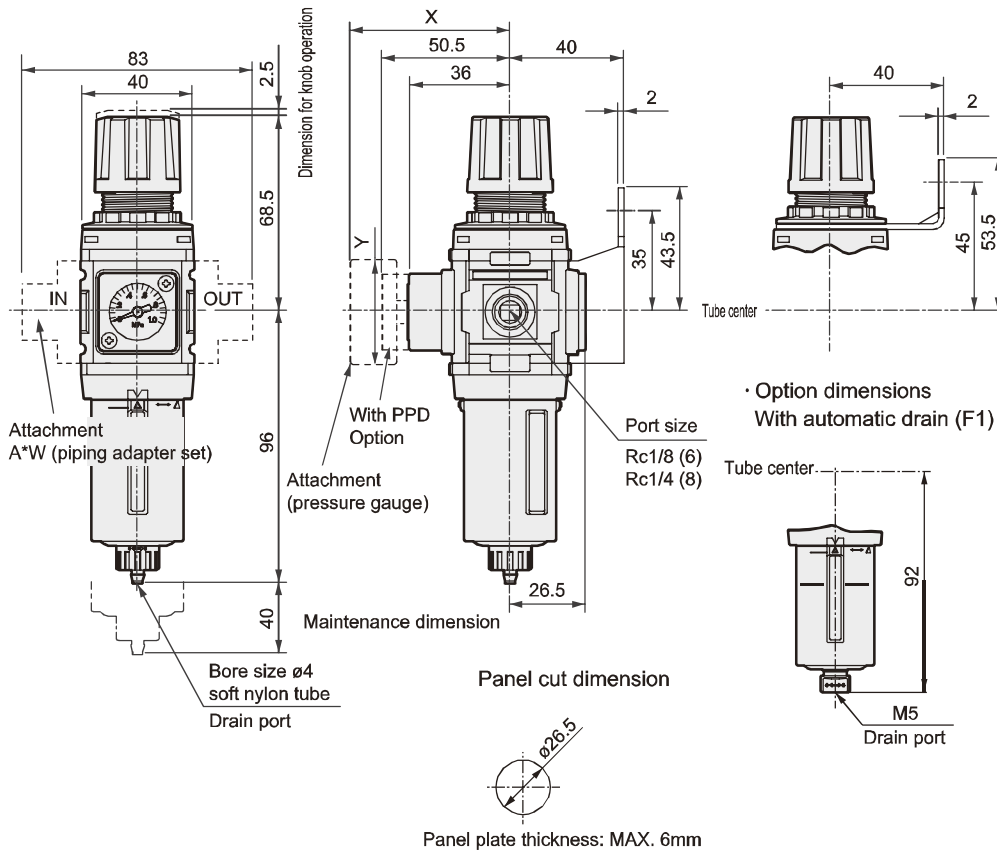
Note 2: The W1000-W O ring has a special shape.

# Filter/Regulator Series

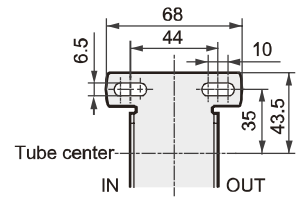
## Dimensions



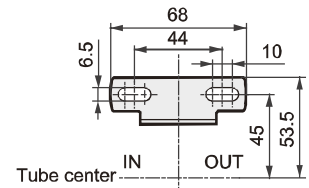
### ● W1000-W



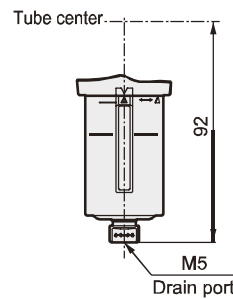
• Attachment  
C type bracket (-BW)  
Part model no.: B120



L type bracket (-B3W)  
Part model no.: B130



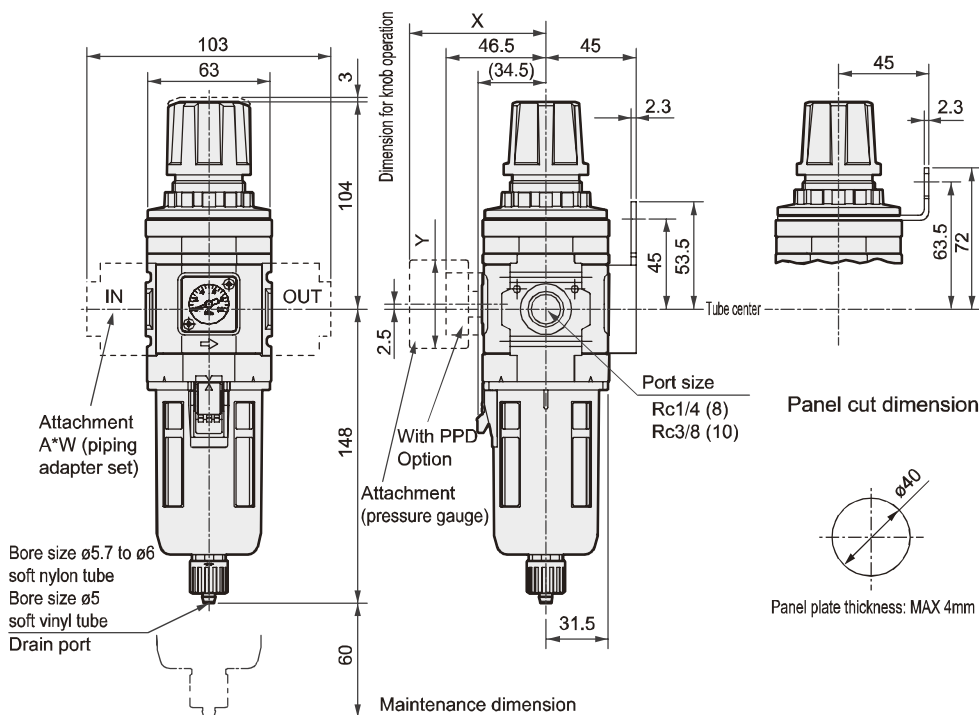
• Option dimensions  
With automatic drain (F1)



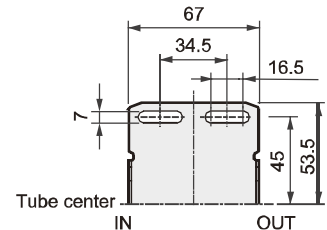
Pressure gauge attached optional dimensions table

Attached pressure gauge	X	Y
G49P	(73.5)	ø43.5
G59P	(76)	ø52
G40P	(75.5)	ø42.5
G50P	(75.5)	ø52.5
G41P	(74)	ø42
G52P	(86)	ø52.5
R2	(74)	*30

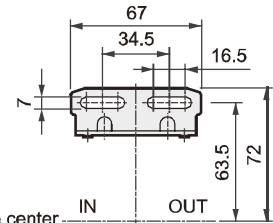
### ● W3000-W



• Attachment  
C type bracket (-BW)  
part model no.: B320



L type bracket (-B3W)  
part model no.: B330



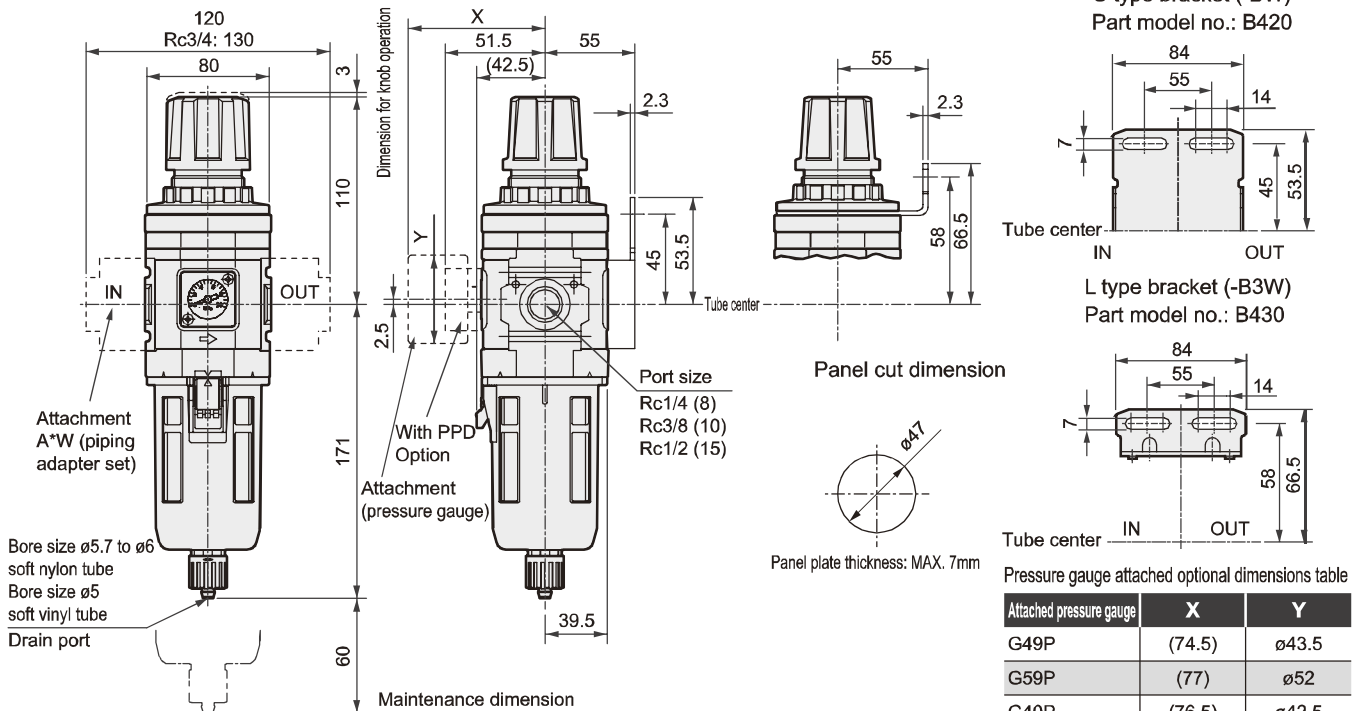
Pressure gauge attached optional dimensions table

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

● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

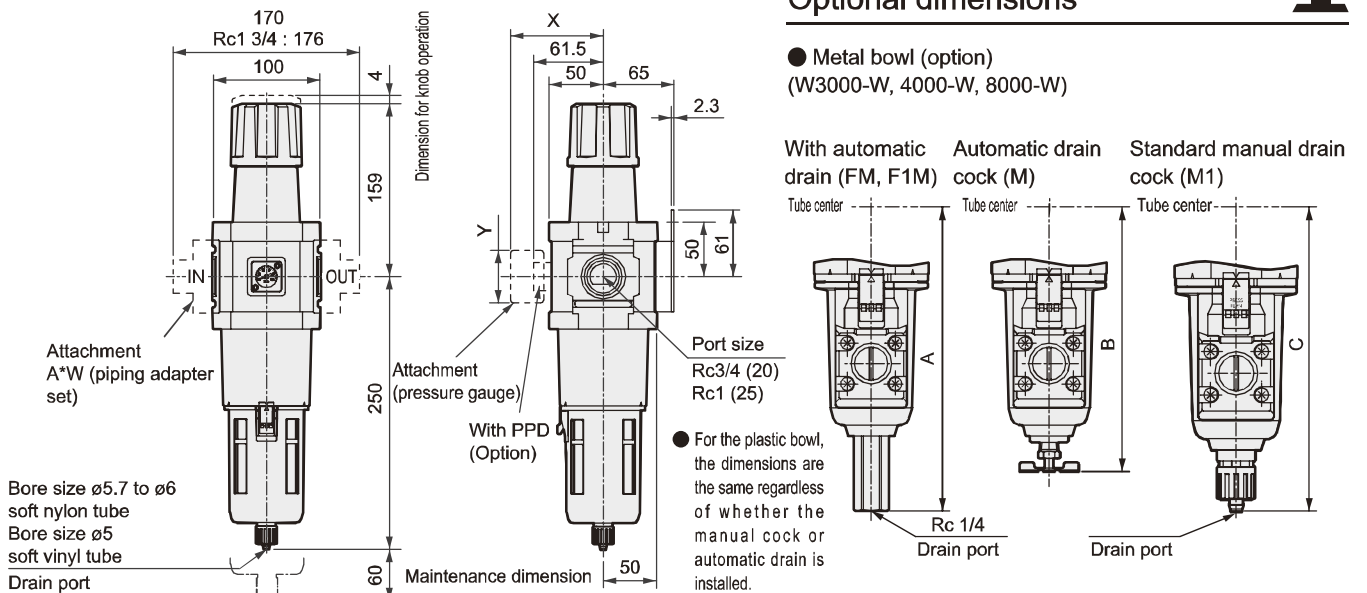
### Dimensions

#### ● W4000-W



● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

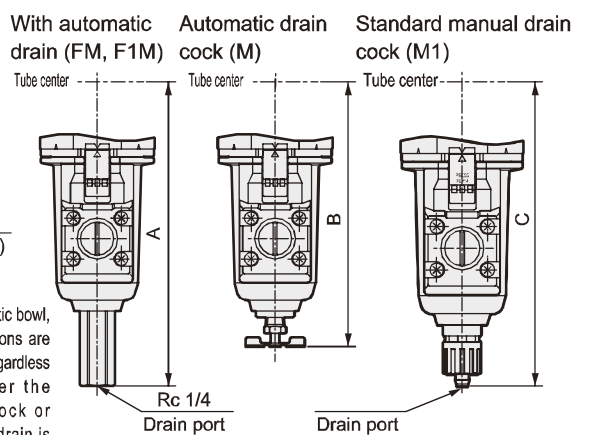
#### ● W8000-W



● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

### Optional dimensions

#### ● Metal bowl (option) (W3000-W, 4000-W, 8000-W)



#### Dimensions table

Model no.	F1M	M	M1
	A	B	C
W3000-W	163.5	143.5	154
W4000-W	187	166.5	177
W8000-W	266	245.5	256



Reverse filter/regulator standard white Series

# W1100/W3100/W4100/W8100-W Series

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

Port size: 1/8 to 1





JIS symbol



RoHS

CAD

## Specifications

Descriptions	W1100-W	W3100-W	W4100-W	W8100-W
Appearance				
Working fluid	Compressed air			
Max. working pressure MPa	1.0    Note 4, 5, 6			
Withstanding pressure MPa	1.5    Note 6			
Ambient temperature range    °C	5 to 60    Note 7			
Filtration rating    μm	5	5 or 0.3		
Set pressure range (Note 2) MPa	0.05 to 0.85    Note 4	0.05 to 0.85		
Relief	With relief mechanism			
Drain capacity    cm <sup>3</sup>	12	45	80	80 (Note 3)
Port size    Rc, NPT, G	1/8, 1/4 (3/8 uses an adapter)	1/4, 3/8 (1/2 uses an adapter)	1/4, 3/8, 1/2 (3/4 uses an adapter)	3/4, 1 (1 1/4 uses an adapter)
Product weight    kg	0.175	0.6	0.9	2.0
Standard accessories	Pressure gauge, bowl guard			

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

Note 2: Refer to the set pressure range for the back pressure given on page 75 when selecting the model.

Note 3: Up to 170 m<sup>3</sup> is stored only with the manual drain cock type.

Note 4: Min. operating pressure of automatic drain is 0.1MPa for "F" with automatic drain. Air is purged with initial drainage until pressure reaches 0.1 MPa.

Note 5: The minimum operation pressure of the automatic drain is 0.15 MPa for the "F1" with an automatic drain.

Note 6: When "F1" with an automatic drain is selected for the W1100 series, minimum operating pressure is 0.2 MPa, maximum operation pressure is 0.7 MPa and the guaranteed pressure resistance is 1.05 MPa. Refer to the maximum processing flow table (page 83) for the F1000-W-F1 automatic drain for the maximum working flow. Set the working flow to less than the maximum working flow.

Note 7: The working temperature range of the pressure switch with indicator PPD assembly "R1" is 5 to 50°C.

## Ozone specifications

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## Clean room specifications

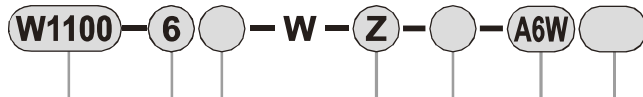
(Catalog No. CB-033SA)

● Dust generation preventing structure for use in cleanrooms

W\*100-.....-.....- P7\*



### How to order



**A** Model no. **B** Port size **C** Port thread type **D** Option **E** Display unit **F** Piping adapter set (attached) **G** Attachment (attached)

\* Refer to page 9 for explanation of an option.

A Model no.			
W	W	W	W
1	3	4	8
1	1	1	1
0	0	0	0
0	0	0	0

Symbol	Descriptions				
<b>B Port size</b>					
6	1/8	●			
8	1/4	●	●	●	
10	3/8		●	●	
15	1/2			●	
20	3/4				●
25	1				●

<b>C Port thread type</b>		Note 1			
Blank	Rc thread	●	●	●	●
N	NPT thread	●	●	●	●
G	G thread	●	●	●	●

<b>D Option</b>		Note 2, Note 3			
Drainage	Blank	With manual drain cock	●	●	●
	F	Automatic drain with manual override (NO type: Exhaust without pressurized)	●	●	●
	F1	Automatic drain with manual override (NC type: No exhaust without pressurized)	●	●	●
	FF	Large automatic drain with manual override (NO type: Exhaust without pressurized)			●
Note 4	FF1	Large automatic drain with manual override (NC type: No exhaust without pressurized)			●
	Blank	Polycarbonate bowl	●	●	●
	Z	Nylon bowl	●	●	●
	M	Metal bowl		●	●
Bowl material	M1	Metal bowl with manual drain cock		●	●
	Blank	5μm	●	●	●
	Y	0.3μm (submicron)		●	●
	Note 5			●	●
Pressure range	Blank	0.05 to 0.85MPa	●	●	●
	L	0.05 to 0.35MPa	●	●	●
Relief	Blank	With relief mechanism	●	●	●
	N	Nonrelief type	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401-W)	●	●	●
	T	Without pressure gauge (a pressure gauge port (Rc1/4) is assembled with sealed)	●	●	●
	T8	Pressure gauge attached (a pressure gauge port (Rc1/4) is assembled by open)	●	●	●
	T6 Note 6	Digital pressure sensor PPX attached option	●	●	●
Flow direction	R1	Pressure switch with display PPD assembly	●	●	●
	Blank	Standard flow (left → right)	●	●	●
	X1	Reverse flow (right → left)	●	●	●

<b>E Display unit</b>					
Blank	MPa display, Rc thread	●	●	●	●
J1	MPa display, NPT, G thread	●	●	●	●

<b>F Piping adapter set (attached)</b>		Note 7 Pages 151 to 153			
Blank	Not attached	●	●	●	●
A6*W	1/8 piping adapter set	●			
A8*W	1/4 piping adapter set	●	●	●	
A10*W	3/8 piping adapter set		●	●	
A15*W	1/2 piping adapter set		●	●	
A20*W	3/4 piping adapter set			●	●
A25*W	1 piping adapter set				●
A32*W	1 1/4 piping adapter set				●

<b>* Adaptor screw type</b>					
Blank	Rc thread	●	●	●	●
N	NPT thread	●	●	●	●
G	G thread	●	●	●	●

<b>G Attachment (attached)</b>		Pages 148, 194			
Blank	Not attached	●	●	●	●
BW	C type bracket	●	●	●	●
B3W Note 8	L type bracket	●	●	●	
G49P	G49D-8-P10 (L: G49D-8-P04)	●	●	●	●
G59P	G59D-8-P10 (L: G59D-8-P04)	●	●	●	●
G40P	G40D-8-P10 (L: G40D-8-P04)	●	●	●	●
G50P	G50D-8-P10 (L: G50D-8-P04)	●	●	●	●
G41P	G41D-8-P10 (L: G41D-8-P04)	●	●	●	●
G52P	G52D-8-P10 (L: G52D-8-P10)	●	●	●	●
R2 Note 6	Digital pressure sensor: PPX-R10N-6M	●	●	●	●

### ⚠ Note on model no. selection

- Note 1: When G threads or NPT threads are selected, the IN, OUT, gauge port, and drain port (metal bowl automatic drain) are available.
- Note 2: Select options per drainage, bowl material, element, and regulator sections.  
When selecting options for several items, list options in order from the top.
- Note 3: The check valve and pressure gauge positions cannot be changed. If the IN and OUT direction must be reversed, indicate "X1" at the end of the option field.
- Note 4: Refer to page 11 for the automatic drain use conditions.
- Note 5: Refer to page 83 for maximum processing flow when option "Y" is selected.
- Note 6: When option "T6" is selected, only "blank" or "R2" is selected for the **G** pressure gauge (enclosed). The digital pressure sensor PPX mounting port (Rc1/8) is assembled ventilated.
- Note 7: The piping adapter set and C type bracket cannot be used together.
- Note 8: Refer to Section 2. Regulator, in "⚠ CAUTIONS for Installation and Adjustment" (page 14) for details on mounting the L-type bracket.
- Note 9: If NPT is selected for the **C** piping thread type, a NPT pressure gauge is enclosed. If Rc or G thread is selected, an R thread pressure gauge is enclosed.

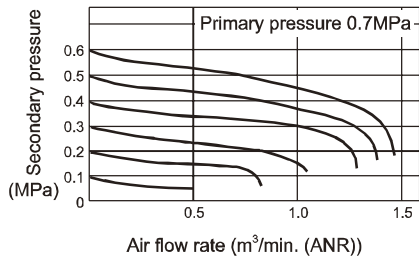


# Filter/Regulator Series

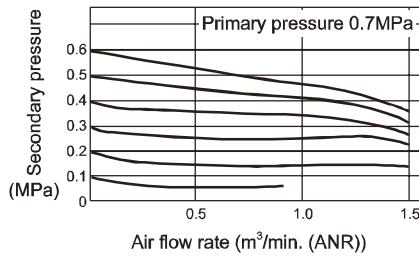
## Flow characteristics



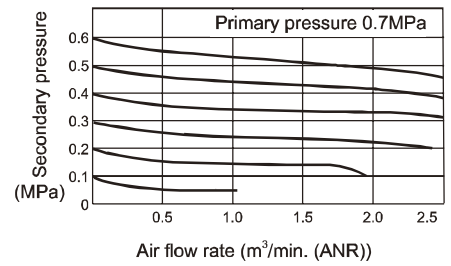
● W1100-6-W



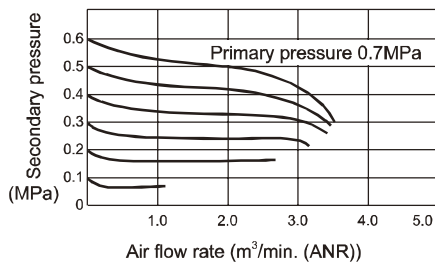
● W1100-8-W



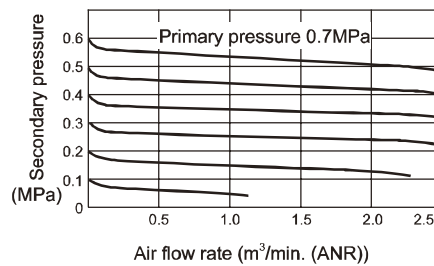
● W3100-8-W



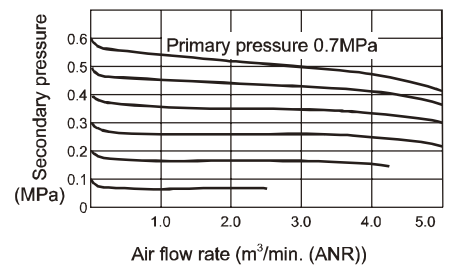
● W3100-10-W



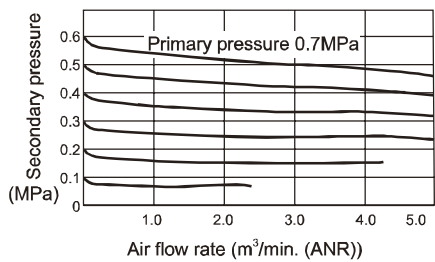
● W4100-8-W



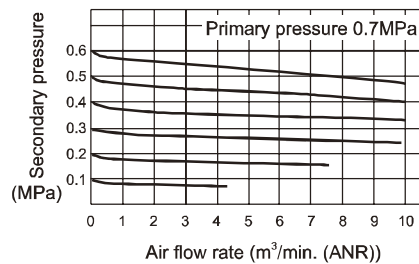
● W4100-10-W



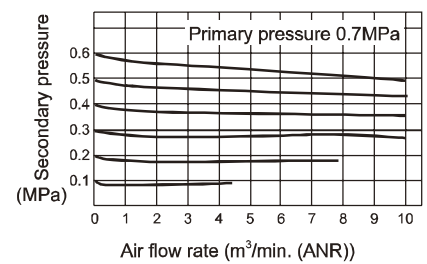
● W4100-15-W



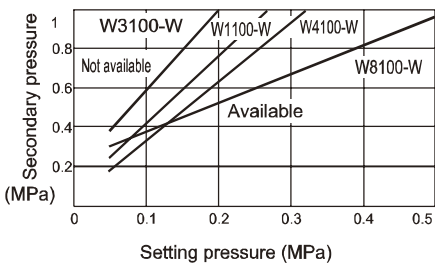
● W8100-20-W



● W8100-25-W



### Set pressure range for back pressure

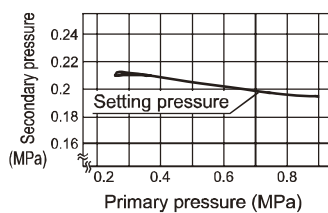


Note: The upper side of the graph is nonusable and the lower side usable.

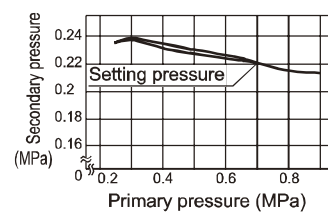
Example: If W4100-W is set to set pressure 0.2 MPa and the secondary back pressure is 0.6 MPa or more, the secondary pressure will not be released to the primary side.

## Pressure characteristics

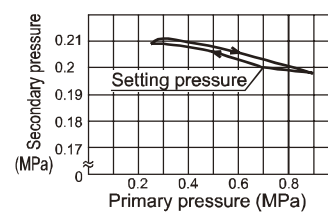
● W1100-W



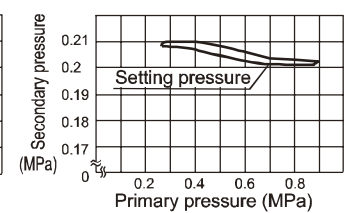
● W3100-W



● W4100-W

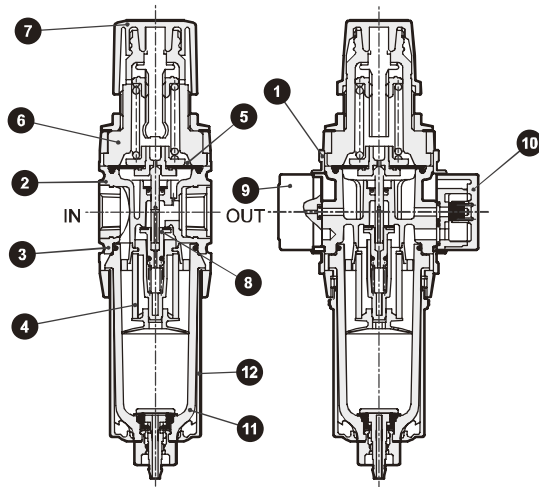


● W8100-W

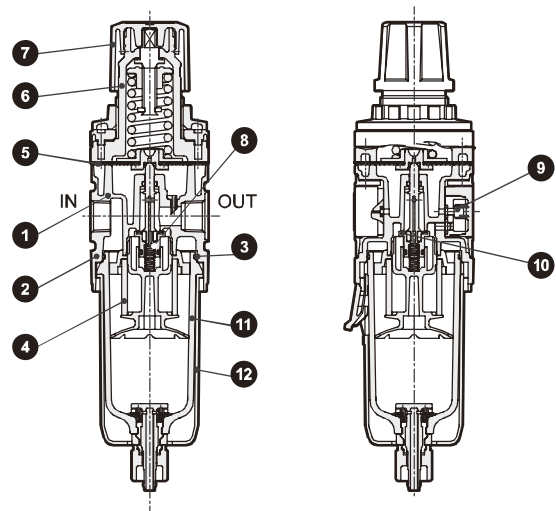


### Internal structure and parts list

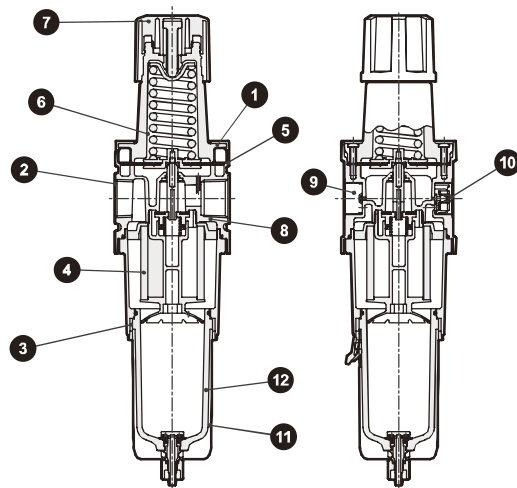
#### ● W1100-W



#### ● W3100-W/W4100-W



#### ● W8100-W



No.	Part name	Material			
		W1100-W	W3100-W	W4100-W	W8100-W
1	Plate cover	ABS resin			
2	Body	Polyamide resin, steel	Aluminum alloy die-casting		
3	O ring    Note 2	Special nitrile rubber			
4	Element    Note 1	Polyacetal resin Polypropylene	Polypropylene		
5	Diaphragm assembly	Polyacetal resin Nitrile rubber	Zinc alloy die-casting, nitrile rubber		
6	Guard	Polyamide resin	PBT resin		Aluminum alloy die-casting
7	Knob	Polyacetal resin			
8	Valve assembly	Brass, hydrogen nitrile rubber (polyacetal resin: W3100-W, 4100-W)			
9	Pressure gauge assembly	PBT resin, polyacetal resin, polycarbonate resin, nitril rubber, brass, steel			
10	Check valve total assemblies	PBT resin, nitrile rubber, stainless steel wire, steel			
11	Bowl assembly	Polycarbonate resin, polyacetal resin, urethane rubber resin			
12	Bowl guard	Polyamide resin	Polyamide resin, steel		

Note 1: W1100-W has an element assembly.

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

Note 3: Refer to page 79 for repair kits model no.

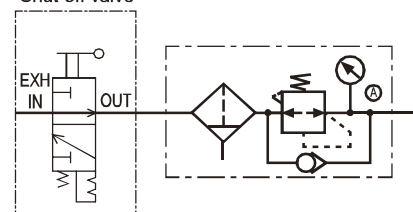
### Functional explanation

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

Note: Set back pressure A for when the primary pressure is released within the range in the graph for the regulator's set pressure. (Refer to page 75 for the graph)

#### ● Circuit diagram

Shut-off valve



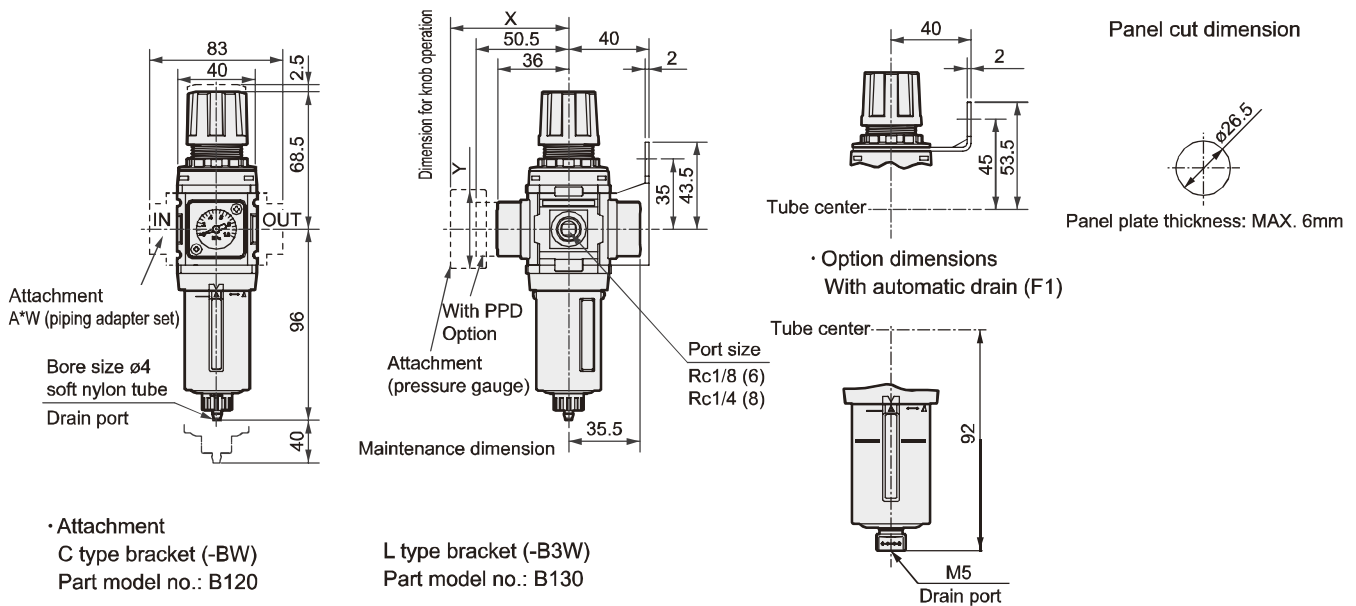
When using shut-off valve in front of reverse filter and regulator

# Filter/Regulator Series

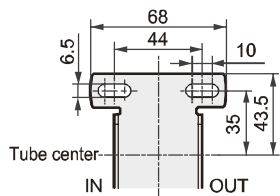
## Dimensions



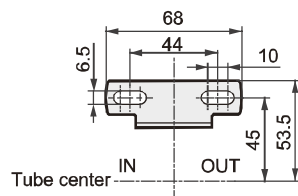
### W1100-W



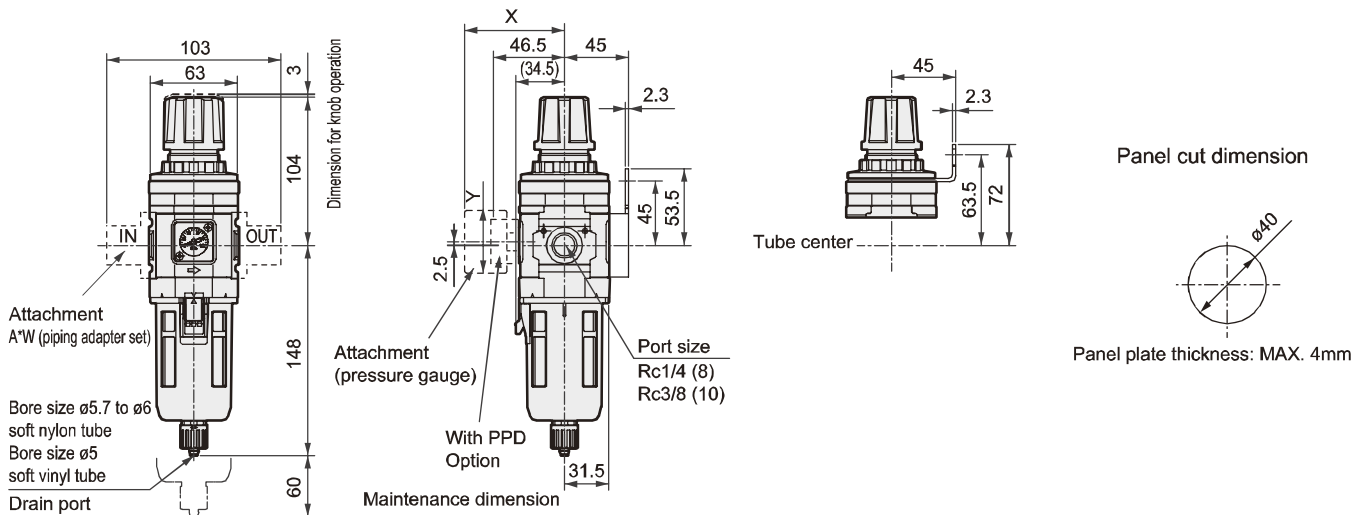
• Attachment  
C type bracket (-BW)  
Part model no.: B120



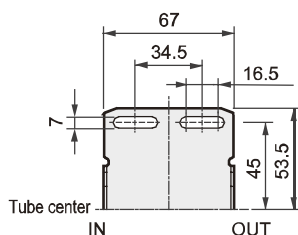
L type bracket (-B3W)  
Part model no.: B130



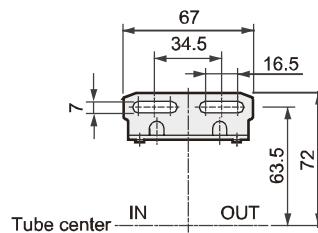
### W3100-W



• Attachment  
C type bracket (-BW)  
Part model no.: B320



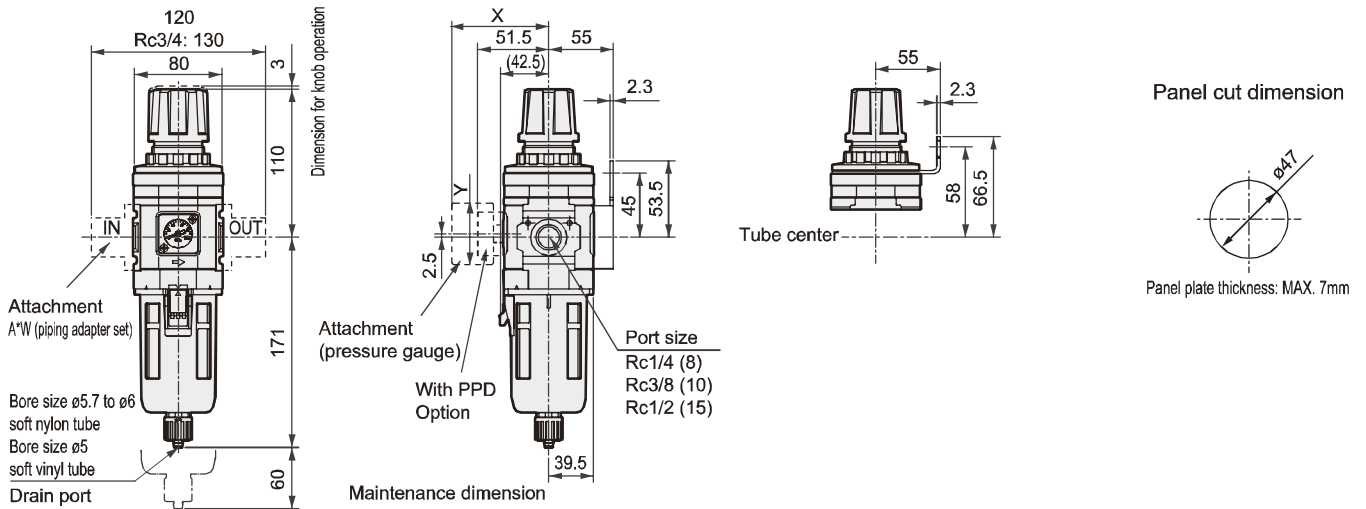
L type bracket (-B3W)  
Part model no.: B330



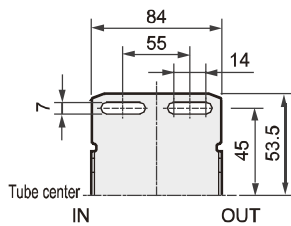
● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

### Dimensions

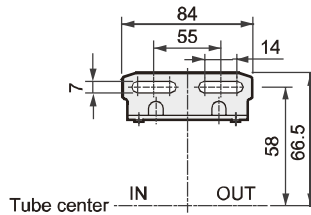
#### ● W4100-W



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



L type bracket (-B3W)  
Part model no.: B430

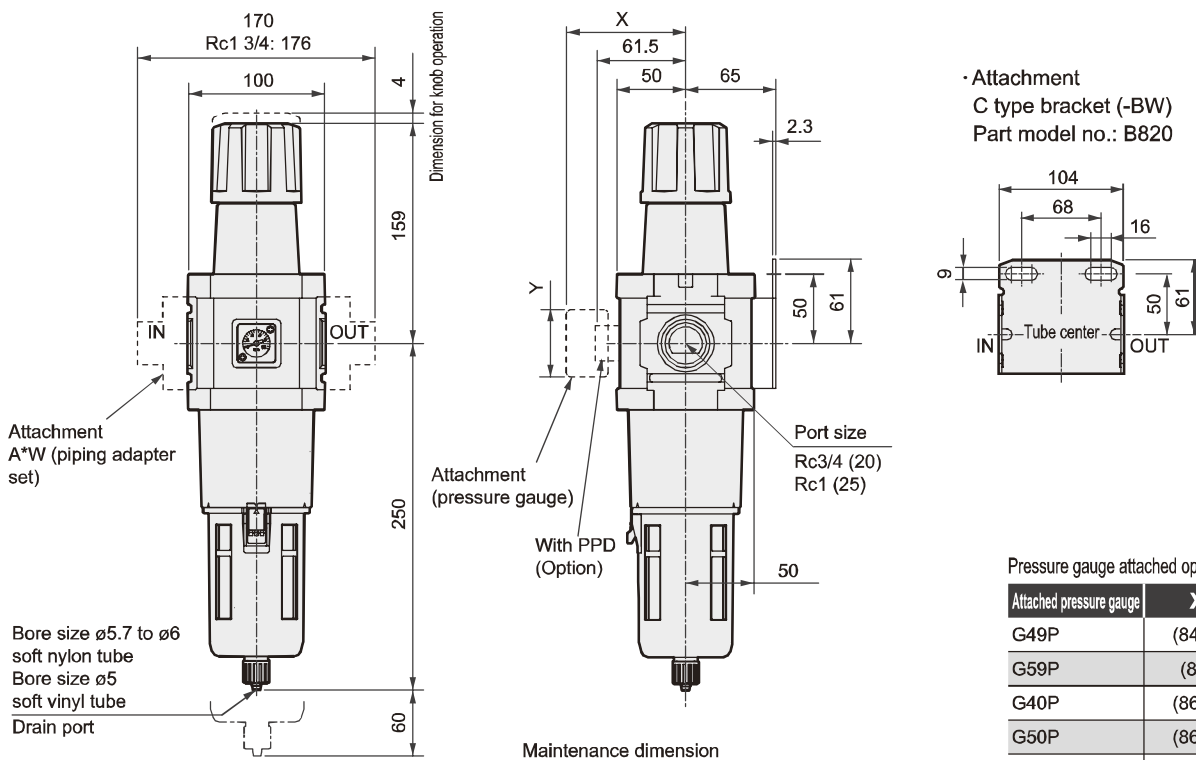


● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

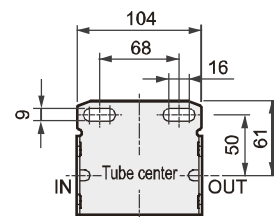
Pressure gauge attached optional dimensions table

Attached pressure gauge	X	Y
G49P	(74.5)	$\phi 43.5$
G59P	(77)	$\phi 52$
G40P	(76.5)	$\phi 42.5$
G50P	(76.5)	$\phi 52.5$
G41P	(75)	$\phi 42$
G52P	(86)	$\phi 52.5$
R2	(75)	*30

#### ● W8100-W



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



● For the plastic bowl, the dimensions are the same regardless of whether the manual cock or automatic drain is installed.

Pressure gauge attached optional dimensions table

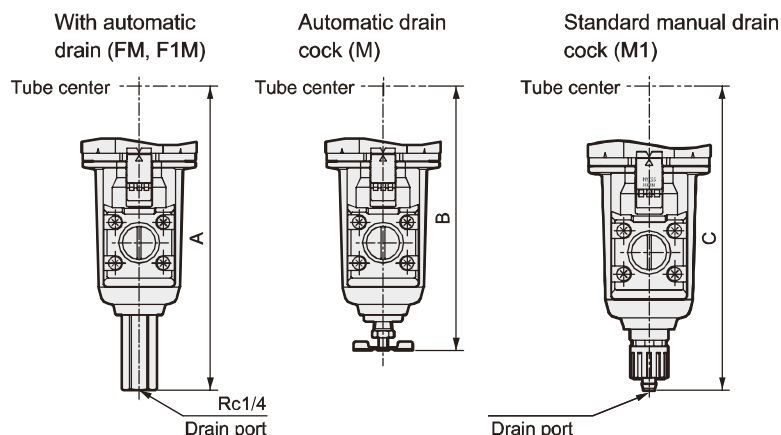
Attached pressure gauge	X	Y
G49P	(84.5)	$\phi 43.5$
G59P	(87)	$\phi 52$
G40P	(86.5)	$\phi 42.5$
G50P	(86.5)	$\phi 52.5$
G41P	(85)	$\phi 42$
G52P	(98)	$\phi 52.5$
R2	(85)	*30

# Filter/Regulator Series

## Optional dimensions



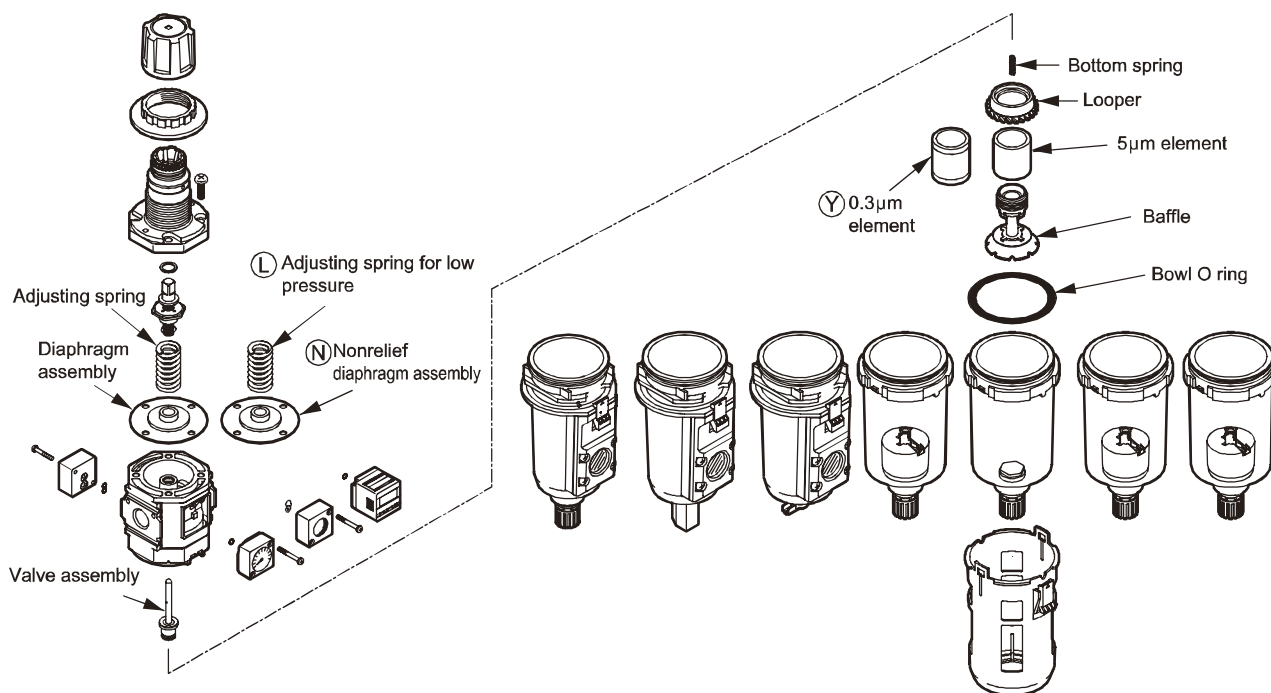
### ● Metal bowl W3100-W/W4100-W/W8100-W (option)



Dimensions table

Model no.	F1M	M	M1
	A	B	C
W3100-W	163.5	143.5	154
W4100-W	187	166.5	177
W8100-W	266	245.5	256

## Option and parts diagram



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

Repair kits model no.	Relief type diaphragm 5μm element (blank)	Nonrelief type diaphragm 5μm element (N)	Relief type diaphragm 0.3μm element (Y)	Nonrelief type diaphragm 0.3μm element (NY)
Model				
W1000-W, W1100-W	W1000-KIT	W1000-KIT-N	-	-
W3000-W, W3100-W	W3000-KIT	W3000-KIT-N	W3000-KIT-Y	W3000-KIT-NY
W4000-W, W4100-W	W4000-KIT	W4000-KIT-N	W4000-KIT-Y	W4000-KIT-NY
W8000-W, W8100-W	W8000-KIT	W8000-KIT-N	W8000-KIT-Y	W8000-KIT-NY

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

## Valve assembly (sets of valve assembly and bottom spring)

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

\* Re

Refer to air filter options and parts table (pages 89 to 90) for details on the element, bowl assembly, and bowl guard.