



Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Filter/regulator

W 1000/W2000/W3000/W4000/W8000-W-FP1 Series

Dust removing 5 μm

● Port size: Rc1/8 to Rc1






JISCode



RoHS

CAD

Specifications

Item	W1000-W	W2000-W	W3000-W	W4000-W	W8000-W
Appearance					
Working fluid	Compressed air				
Max. working pressure MPa	1.0 *1, 2, 3				
Proof pressure MPa	1.5 *1				
Ambient/fluid temperatures °C	5 to 60 *4				
Filtration rating μm	5		5 or 0.3		
Set pressure MPa	0.05 to 0.85 *1	0.05 to 0.85			
Pressure relief	With relief mechanism				
Drain capacity cm ³	12	25	45	80	80 (*5)
Port size Rc *7	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8, 1/2	1/4, 3/8, 1/2(3/4 uses an adaptor)	3/4, 1 (1 1/4uses an adaptor)
Weight kg	0.175	0.40	0.6	0.9	2.0
Standard accessories	Pressure gauge and bowl guard				

*1: When using W1000-W Series "F1" with auto-drain, the min. working pressure is 0.2MPa, the max. working pressure is 0.7MPa and the proof pressure is 1.05MPa. For the max. working flow rate, refer to the max. working flow rate table of F1000-W-F1 with auto-drain (Pneumatic, Vacuum, and Auxiliary components (CB-024SA)). Set the working flow rate to less than or equal to the max. working flow rate.

*2: In the case of "F" with auto-drain, the min. working pressure of auto-drain is 0.1 MPa.

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

*3: In the case of "F1" with auto-drain, the min. working pressure of auto-drain is 0.15 MPa.

*4: The ambient/fluid temperature of the digital pressure sensor with PPX attached "R2" is 5 to 50°C.

*5: The max. capacity of the manual drain cock is 170cm³.

*6: W2000-W Series with "F1" (with auto-drain) must be used at equal to or less than the max. working flow rate. (Refer to Pneumatic, Vacuum, and Auxiliary Components (CB-024SA) for max. flow rate.)

*7: NPT and G threads can be manufactured with CKD Sales.

Option weight

* Add to the weight of the standard accessories.

Unit:kg

Code	Drain discharge		Bowl material		Pressure gauge	Pipe adaptor set			
	F	F1	M	M1		A6W	A8W	A10W	A15W
W 1000		0.007			0	0.09	0.09	0.09	
W 2000		0.02		0.1	0		0.16	0.16	0.16
W 3000	0.02	0.02	0.1	0.1	0		0.16	0.16	0.16
W 4000	0.02	0.02	0.1	0.1	0		0.16	0.16	0.16
W 8000	0.02	0.02	0.1	0.1	0				

Code	Pipe adaptor set			Attachment							
	A20W	A25W	A32W	BW	B3W	G45P	G49P	G59P	G40P	G52P	R 2
W 1000				0.1	0.04	0.074	0.086	0.115	0.085	0.15	0.04
W 2000				0.15	0.06	0.074	0.086		0.085	0.15	0.04
W 3000				0.17	0.07	0.074	0.086	0.115	0.085	0.15	0.04
W 4000	0.16			0.21	0.11	0.074	0.086	0.115	0.085	0.15	0.04
W 8000	0.53	0.53	0.53	0.36		0.074	0.086	0.115	0.085	0.15	0.04

Filter/Regulator Series

How to order

How to order

W1000 - 6 - W - Z - FP1 - A6W

A Model No.

B Port size

C Option

D Pipe adaptor set G (included)

* Refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA) for options.

Code		Description	A Model No.				
B Port size			W1000	W2000	W3000	W4000	W008W
6	Rc1/8		●				
8	Rc1/4		●	●	●	●	
10	Rc3/8			●	●	●	
15	Rc1/2				●	●	
20	Rc3/4						●
25	Rc1						●
C Option			*1				
Drain discharge *2	Blank	Manual drain cock	●	●	●	●	●
	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		●	●	●	●
Element	Blank	5 μm	●	●	●	●	●
Pressure Range	Blank	0.05 to 0.85 MPa	●	●	●	●	●
	L	0.05 to 0.35 MPa *3	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●
	N	Non-relief	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401-VV)	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●
	T6	Digital pressure sensor PPX attachment option *4	●	●	●	●	●
Flow Direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●
D Pipe adaptor set (attachments) *5, *6 Refer to CB-024SA							
		Blank	Not included	●	●	●	●
		A6W	Rc1/8 pipe adaptor set	●			
		A8W	Rc1/4 pipe adaptor set	●	●	●	●
		A10W	Rc3/8 pipe adaptor set	●	●	●	●
		A15W	Rc1/2 pipe adaptor set		●	●	●
		A20W	Rc3/4 pipe adaptor set				●
		A25W	Rc1 pipe adapter set				●
		A32W	Rc1 1/4 pipe adapter set				●
E Other attachments *7 Refer to CB-024SA							
		Blank	Not included	●	●	●	●
		BW	C-bracket	●	●	●	●
		B3W	L type bracket *8	●	●	●	●
		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 *4	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 (Pneumatic, Vacuum, and Auxiliary components (CB-024SA)) for the auto-drain use conditions.

*3: The pressure gauge's indication range is 0 to 0.4MPa for option "L".

*4: When option "T6" is selected, only ", Blank" or "R2" can be selected for Pressure gauge (attachment). The digital pressure sensor PPX mounting port (Rc1/8) is assembled open.

*5: The pipe adaptor set and C type bracket cannot be used together.

*6: The joiner set is attached with the pipe adapter set.

*7: An R thread pressure gauge is attached.

*8: For mounting an L type bracket, refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA).

For dimensions, refer to the filter/regulator in "Pneumatic, Vacuum and Auxiliary Components (CB-024SA)".



Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Reverse filter/regulator

W 1100/W2100/W3100/W4100/W8100-W-FP1 Series






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

● Port size: Rc1/8 to Rc1

JISCode



Specifications

Item	W1100-W	W2100-W	W3100-W	W4100-W	W8100-W
Appearance					
Working fluid	Compressed air				
Max. working pressure MPa	1.0 *1, 2, 3				
Proof pressure MPa	1.5 *3				
Ambient/fluid temperatures °C	5 to 60 *4				
Filtration rating μm	5		5 or 0.3		
Set pressure (*2) MPa	0.05 to 0.85 *1	0.05 to 0.85			
Pressure relief	With relief mechanism				
Drain capacity cm ³	12	25	45	80	80 (*5)
Port size Rc *9	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8, 1/2	1/4, 3/8, 1/2(3/4 uses an adaptor)	3/4, 1 (1 1/4uses an adaptor)
Weight kg	0.175	0.40	0.6	0.9	2.0
Standard accessories	Pressure gauge and bowl guard				

*1: In the case of "F" with auto-drain, the min. working pressure of auto-drain is 0.1 MPa. Air is purged with initial drainage until pressure reaches 0.1 MPa.

*2: In the case of "F1" with auto-drain, the min. working pressure of auto-drain is 0.15 MPa.

*3: When using W1100 Series "F1" with auto-drain, the min. working pressure is 0.2MPa, the max. working pressure is 0.7MPa and the proof pressure is 1.05MPa. For the max. working flow rate, refer to the max. working flow rate table of F1000-F1 with auto-drain (Pneumatic, Vacuum, and Auxiliary Components (CB-024SA)). Set the working flow rate to less than or equal to the max. working flow rate.

*4: The ambient/fluid temperature of the digital pressure sensor with PPX attached "R2" is 5 to 50°C.

*5: The max. capacity of the manual drain cock is 170cm³.

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

*7: Refer to the set pressure range for the back pressure given in (Pneumatic, Vacuum, and Auxiliary Components (CB-024SA)) when selecting the model.

*8: W2100-W Series with "F1" (with auto-drain) must be used at equal to or less than the max. working flow rate. (Refer to the F2000-W section in Pneumatic, Vacuum, and Auxiliary Components (CB-024SA) for max. flow rate.)

*9: NPT and G threads can be manufactured with CKD Sales.

Option weight

* Add to the weight of the standard accessories.

Unit:kg

Code	Drain discharge		Bowl material		Pressure gauge	Pipe adaptor set			
	F	F1	M	M1		A6W	A8W	A10W	A15W
W1100		0.007			0	0.09	0.09	0.09	
W2100		0.02		0.1	0		0.16	0.16	0.16
W3100	0.02	0.02	0.1	0.1	0		0.16	0.16	0.16
W4100	0.02	0.02	0.1	0.1	0		0.16	0.16	0.16
W8100	0.02	0.02	0.1	0.1	0				

Code	Pipe adaptor set			Attachment							
	A20W	A25W	A32W	BW	B3W	G45P	G49P	G59P	G40P	G52P	R2
W1100				0.1	0.04	0.074	0.086	0.115	0.085	0.15	0.04
W2100				0.15	0.06	0.074	0.086		0.085	0.15	0.04
W3100				0.17	0.07	0.074	0.086	0.115	0.085	0.15	0.04
W4100	0.16			0.21	0.11	0.074	0.086	0.115	0.085	0.15	0.04
W8100	0.53	0.53	0.53	0.36		0.074	0.086	0.115	0.085	0.15	0.04

Filter/Regulator Series

How to order

How to order

W1100 — 6 — W — Z — FP1 — A6W

A Model No.

B Port size

C Option

D Pipe adaptor set (attachments)

E Other attachments

* Refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA) for options.

A Model No.

W1100	W2100	W3100	W4100	W8100
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Code	Description					
B Port size						
6	Rc1/8	●				
8	Rc1/4	●	●	●	●	
10	Rc3/8		●	●	●	
15	Rc1/2			●	●	
20	Rc3/4					●
25	Rc1					●

C Option		Note1,Note2					
Drain discharge *3	Blank	Manual drain cock	●	●	●	●	●
	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		●	●	●	●
Element	Blank	5 µm	●	●	●	●	●
Pressure Range	Blank	0.05 to 0.85 MPa	●	●	●	●	●
	L	0.05 to 0.35 MPa *4	●	●	●	●	●
Pressure relief	Blank	With relief mechanism	●	●	●	●	●
	N	Non-relief	●	●	●	●	●
Pressure gauge	Blank	With standard pressure gauge (G401-W)	●	●	●	●	●
	T	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●	●	●
	T6	Digital pressure sensor PPX attachment option *5	●	●	●	●	●
Flow Direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●

D Pipe adaptor set (attachments) *6, *7 Refer to CB-024SA							
Blank	Not included	●	●	●	●	●	●
A6W	Rc1/8 pipe adaptor set	●					
A8W	Rc1/4 pipe adaptor set	●	●	●	●		
A10W	Rc3/8 pipe adaptor set	●	●	●	●		
A15W	Rc1/2 pipe adaptor set		●	●	●		
A20W	Rc3/4 pipe adaptor set					●	●
A25W	Rc1 pipe adapter set						●
A32W	Rc1 1/4 pipe adapter set						●

E Other attachments *8 Refer to CB-024SA							
Blank	Not included	●	●	●	●	●	●
BW	C-bracket	●	●	●	●	●	●
B3W	L-bracket *9	●	●	●	●	●	●
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: **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 (Pneumatic, Vacuum, and Auxiliary Components (CB-024SA)) for the auto-drain use conditions.
- *4: The pressure gauge's indication range is 0 to 0.4MPa for option "L".
- *5: When option "T6" is selected, only "Blank" or "R2" can be selected for Pressure gauge (attachment). The digital pressure sensor PPX mounting port (Rc1/8) is assembled open.
- *6: The pipe adaptor set and C type bracket cannot be used together.
- *7: The joiner set is attached with the pipe adapter set.
- *8: An R thread pressure gauge is attached.
- *9: For mounting an L type bracket, refer to Pneumatic, Vacuum and Auxiliary Components (CB-024SA).

For dimensions, refer to the reverse filter/regulator in "Pneumatic, Vacuum and Auxiliary Components (CB-024SA)".

Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	FRL/Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/bacteria-removing filter	Vacuum components	Fluid control valves
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