

Filter and regulator Flame-resistant series

W3000/W4000/W8000-G4 Series

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

● Port size: 1/4 to 1

JIS symbol 

RoHS CAD

Specifications

Item		W3000-G4	W4000-G4	W8000-G4
Working fluid		Compressed air		
Max. working pressure	MPa	1.0 (≈150 psi, 10 bar) (*1, *2)		
Proof pressure	MPa	1.5 (≈220 psi, 15 bar)		
Ambient / fluid temperatures	°C	5 (41°F) to 60 (140°F)		
Filtration rating	µm	5 or 0.3		
Set pressure	MPa	0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)		
Pressure relief		With relief mechanism		
Drain capacity	cm^3	45	80	80 (*3)
Port size	Rc,NPT,G	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8, 1/2 (3/4 uses an adaptor)	3/4, 1 (1 1/4 uses an adaptor)
Weight	kg	0.72	1.08	2.16
Standard specifications		Exterior: Flame-resistant material, metal bowl		

*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: Up to 170 cm^3 is stored with the manual drain cock only.

Option weight

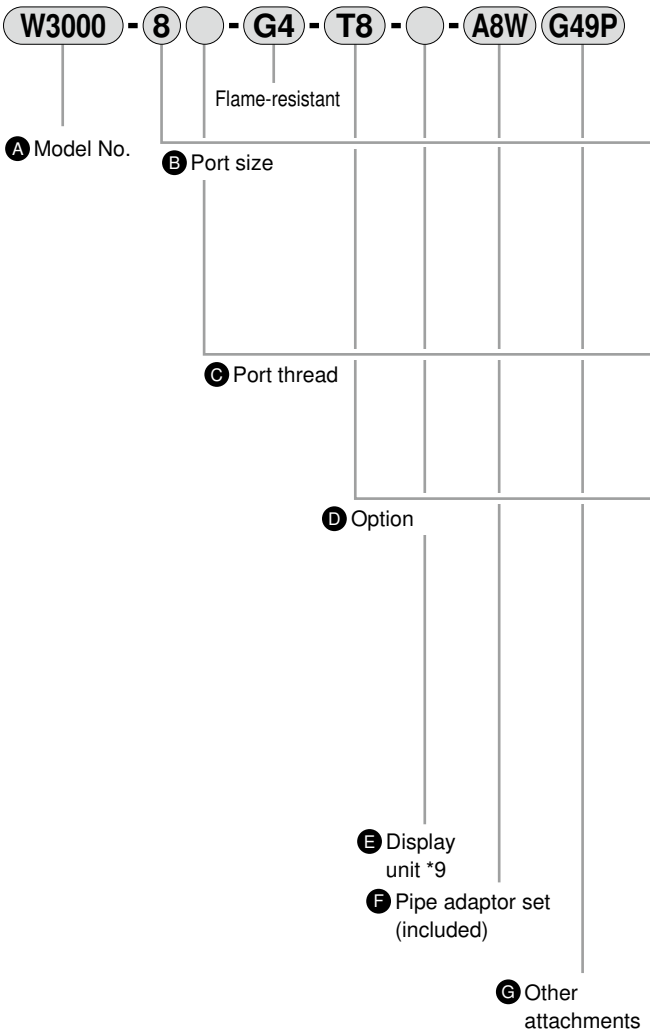
* Add to the weight of the standard accessories.

Unit: kg

Code	Drain discharge				Bowl material	Press.gauge	Pipe adaptor set					
	F	F1	FF	FF1	M	T*	A8*W	A10*W	A15*W	A20*W	A25*W	A32*W
W3000-G4	0.02	0.02			0	0	0.16	0.16	0.16			
W4000-G4	0.02	0.02			0	0	0.16	0.16	0.16	0.16		
W8000-G4	0.02	0.02	0.02	0.02	0	0				0.53	0.53	0.53

Code	Attachment			
	BW	B3W	G49P	G59P
W3000-G4	0.17	0.07	0.086	0.115
W4000-G4	0.21	0.11	0.086	0.115
W8000-G4	0.36		0.086	0.115

How to order



* Refer to page 30 for the explanation of the option.

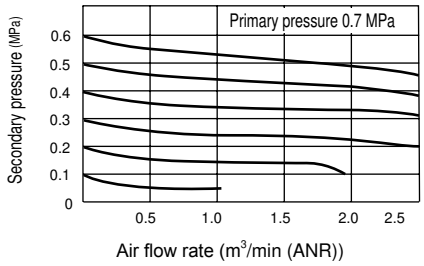
Code		Description	A Model No. W3000	W4000	W8000
B Port size					
8		1/4	●	●	
10		3/8	●	●	
15		1/2		●	
20		3/4			●
25		1			●
C Port thread					*1
Blank		Rc thread	●	●	●
N		NPT thread	●	●	●
G		G thread	●	●	●
D Option					*2
Drain discharge *3	**Blank**	Manual drain cock	●	●	●
	F	Auto-drain, man OVRD (NO: 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**	Metal bowl (resin cock)	●	●	●
	M	Metal bowl (metal cock)	●	●	●
Element	**Blank**	5 µm	●	●	●
	Y	0.3 µm (submicron) *4	●	●	●
Pressure range	**Blank**	0.05 to 0.85 MPa	●	●	●
	L	0.05 to 0.35 MPa *5	●	●	●
Pressure relief	**Blank**	With relief mechanism	●	●	●
	N	Non-relief	●	●	●
Pressure gauge	**T**	No pressure gauge (gauge port (1/4) is assembled sealed)	●	●	●
	T8	Pressure gauge ready (gauge port (1/4) is left open)	●	●	●
Flow direction	**Blank**	Standard flow (left → right)	●	●	●
	X1	Reverse flow (right → left)	●	●	●
E Display unit					
Blank		MPa display (Rc thread), psi display (NPT thread), bar display (G thread)	●	●	●
J1		MPa display (NPT, G thread)	●	●	●
F Pipe adaptor set (included)					*6 Page 350
Blank		Not included	●	●	●
A8*W		1/4 pipe adaptor set (white)	●	●	
A10*W		3/8 pipe adaptor set (white)	●	●	
A15*W		1/2 pipe adaptor set (white)	●	●	
A20*W		3/4 pipe adaptor set (white)		●	●
A25*W		1 pipe adaptor set (white)			●
A32*W		1 1/4 pipe adaptor set (white)			●
*** Adaptor thread**					
Blank		Rc thread	●	●	●
N		NPT thread	●	●	●
G		G thread	●	●	●
G Other attachments					*8 Pages 346, 363
Blank		Not included	●	●	●
BW		C type bracket (silver)	●	●	●
B3W	*7	L type bracket (silver)	●	●	
G49P		G49D-8-P10(L:G49D-8-P04)	●	●	●
G59P		G59D-8-P10(L:G59D-8-P10)	●	●	●

⚠ Precautions for model No. selection

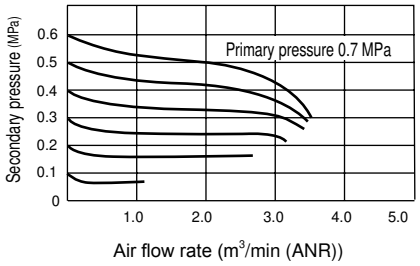
*1: G threads and NPT threads are available for IN, OUT, gauge port and drain outlet (metal bowl (metal cock) with auto-drain).
*2: Select options for the drainage, bowl material, element, and regulator.
When selecting options for several items, list options in order from the top.
*3: Refer to page 354 for the auto-drain usage conditions.
*4: Refer to page 268 for max. processing flow rate when option "Y" is selected.
*5: The pressure gauge's indication range is 0 to 0.4 MPa for the option "L".
*6: The pipe adaptor set and C type bracket cannot be used together.
*7: For details on mounting the L type bracket, refer to (2. Regulator) of "⚠ Cautions and Installation & Adjustment" (page 357).
*8: The pressure gauge (included) can be selected only when C Port thread is Rc thread.
*9: Display unit options when selecting NPT threads: If Blank is selected, the pressure unit is psi and the temperature display unit is °F.
When G thread and Blank display unit option are selected, the pressure unit will be bar and the temperature display unit will be °C.
When NPT/G thread and "J1" display unit option are selected, the pressure unit will be MPa and the temperature display unit will be °C.

Flow characteristics

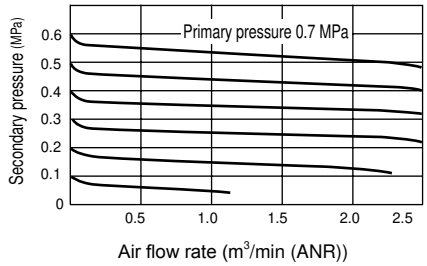
● W3000-8-G4



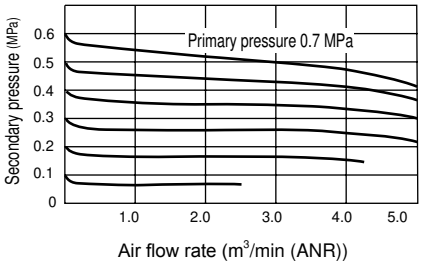
● W3000-10-G4



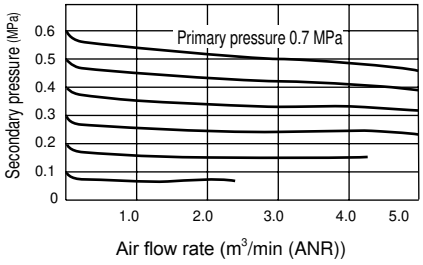
● W4000-8-G4



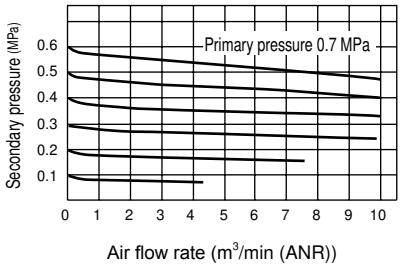
● W4000-10-G4



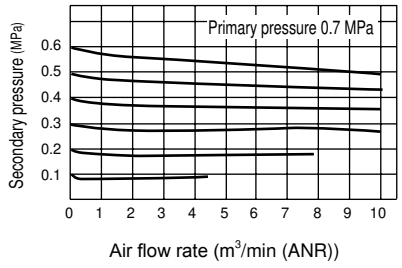
● W4000-15-G4



● W8000-20-G4

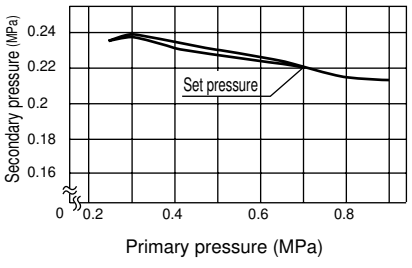


● W8000-25-G4

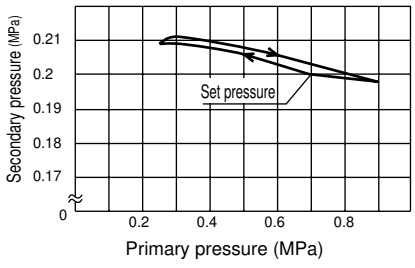


Pressure characteristics

● W3000-G4



● W4000-G4



● W8000-G4

