



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

Oil mist filter

M1000/M2000/M3000 M4000/M6000/M8000-W Series

Ideal for circuits susceptible to oil, including measuring and instrumentation circuits.

● Port size: 1/8 to 1

JIS symbol



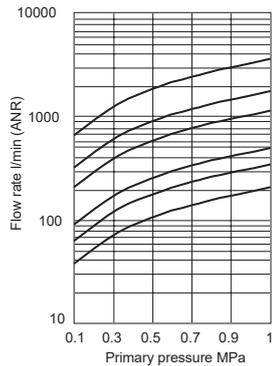
Specifications

Item	M1000-W	M2000-W	M3000-W	M4000-W	M6000-W	M8000-W
Appearance						
Working fluid	Compressed air					
Working pressure MPa	0.1 to 1.0					
Proof pressure MPa	1.5					
Drain capacity cm ³	3	25	45	80	80	80
Port size Rc	1/8, 1/4 (3/8 uses an adaptor)	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)	3/4, 1 (1 1/4 uses an adaptor)
Weight kg	0.096	0.25	0.28	0.52	0.95	1.35
Standard accessories	Bowl guard					

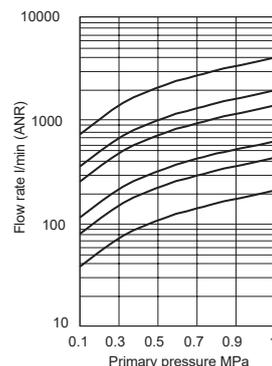
Mantle option name	Blank (M type)	S (S type)	X (X type)
Max. processing flow rate	M1000-□-W: 150	150	150
*1	M2000-□-W: 250	310	310
l/min (ANR)	M3000-□-W: 360	450	450
	M4000-□-W: 825	1000	1000
Primary pressure 0.7 MPaHour	M6000-□-W: 1270	1400	1400
	M8000-□-W: 2600	2900	2900
Ambient/fluid temperatures °C	5 to 60		5 to 30
Filtration rating μm	0.01 (nominal)		Suction by activated carbon
Secondary side oil concentration mg/m ³	0.01 or less (0.1 or less after oil saturation)*2,*3		0.5 or less *2
Mantle (element) change	1 year (6000 hours) or pressure drop 0.1 MPa		- *5

- *1: Use the product within the max. processing flow rate. If the max. processing flow rate is exceeded temporarily, or if the filter is installed at a location with high levels of pulsation, the mantle could be damaged or oil or drainage, etc., could splatter to the secondary side and result in a terminal malfunction.
- *2: The secondary oil concentration is the value when the primary oil concentration is 30 mg/m³ and inlet air temperature is 21°C.
- *3: Install an oil mist filter (S type) as a pre-filter on the primary side to prevent early clogging.
- *4: When an oil mist filter (M Series M type) is installed on the primary side.
- *5: The mantle (element) replacement period differs depending on the odor density in compressed air, and thus cannot be clearly indicated. Consider the total period from initial installation to when the smell of oil is confirmed as the effective deodorizing period, and replace at the same time as the M type or control with usage time. (When the inlet temperature is 21°C, replace at the control time or 1,000 hours, whichever comes first) Keep the primary air temperature at 30°C or less. The deodorizing effect will drop if temperature is high, so provide heat dissipation measures.

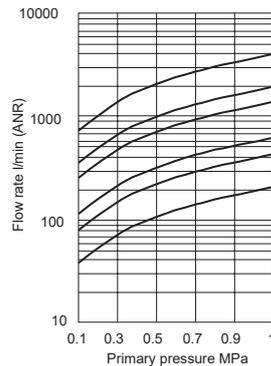
● M*000-W-M



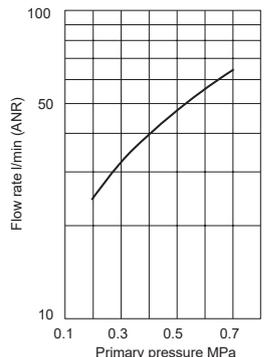
● M*000-W-S



● M*000-W-X



● M1000-W-F1
With auto-drain (M type, S type)



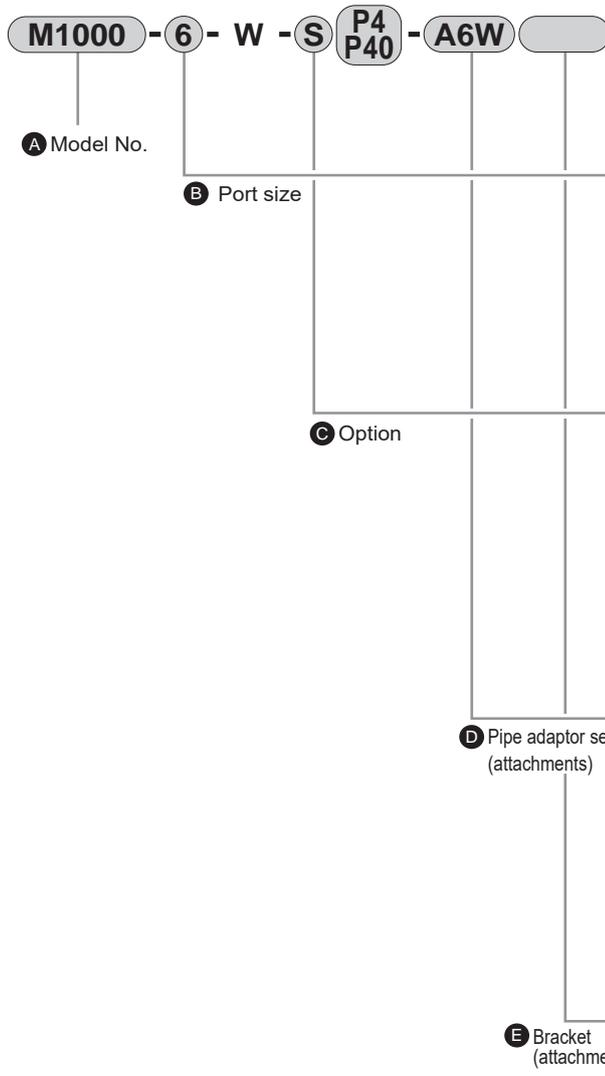
Compatibility table by variation

	M1000-W	M2000-W	M3000-W	M4000-W	M6000-W	M8000-W
Port size	Rc1/8, 1/4	Rc1/4, 3/8	Rc1/4, 3/8	Rc1/4, 3/8, 1/2	Rc3/4, 1	Rc3/4, 1
P4	●	●	●	●	●	●
P40		●	●	●	●	

- : Applicable models
- : Semi-applicable models
- ▲: Contact CKD for details.
- : Not applicable

*1: Auto-drain is not available.
*2: Metal bowl is not available.
*3: With differential pressure indicator option is not available.

How to order



*Refer to "Pneumatic, Vacuum and Auxiliary Components" (catalog No. CB-024SA) for options.

		A Model No.					
		M1000	M2000	M3000	M4000	M6000	M8000
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	With manual drain cock *3	●	●	●	●	●
Bowl material*4	Blank	Polycarbonate bowl	●	●	●	●	●
	Z	Nylon bowl	●	●	●	●	●
Mantle (Element)	Blank	M type (nominal 0.01 μm; remaining oil 0.01mg/m ³)	●	●	●	●	●
	S	S type (nominal 0.3 μm; remaining oil 0.5mg/m ³)	●	●	●	●	●
	X	X type (deodorization; Remaining oil 0.003mg/m ³)	●	●	●	●	●
Flow direction	Blank	Standard flow (left → right)	●	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●	●
D Pipe adaptor set (attachments)		*1, *2					
	Blank	Not included	●	●	●	●	●
	A6*W	1/8 pipe adaptor set	●				
	A8*W	1/4 pipe adaptor set	●	●	●		
	A10*W	3/8 pipe adaptor set	●	●	●		
	A15*W	1/2 pipe adaptor set		●	●		
	A20*W	3/4 pipe adaptor set			●	●	●
	A25*W	1 pipe adaptor set				●	●
	A32*W	1 1/4 pipe adaptor set				●	●
E Bracket (attachment)		Page 491					
	Blank	Not included	●	●	●	●	●
	BW	C-bracket	●	●	●	●	●

⚠ Precautions for model No. selection

- *1: The pipe adaptor set and C-bracket cannot be used together.
- *2: The joiner set is included with the pipe adapter set.
- *3: Auto-drain is not available.
- *4: Metal bowl is not available.