



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

High-performance oil mist filter

MX1000/MX3000/MX4000 MX6000/MX8000-W-FP1 Series

Secondary oil content 0.001mg/m³

● Port size: Rc1/8 to Rc1

JISCode



Specifications

Item	MX1000-W	MX3000-W	MX4000-W	MX6000-W	MX8000-W
Appearance					
Working fluid	Compressed air				
Working pressure MPa	0.1 to 1.0 *2				
Proof pressure MPa	1.5				
Ambient/fluid temperatures°C	5 to 60				
Filtration rating μm	0.01 (nominal)				
Secondary side oil concentration mg/m ³	0.001 or less *3				
Max. processing flow rate L/min (ANR) *1	75	180	370	670	1480
Drain capacity cm ³	3	45	80	80	80
Port size Rc *5	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	0.28	0.52	0.95	1.35
Mantle (element) change	1 year (6000 hours) or pressure drop 0.1 MPa				
Standard accessories	Bowl guard				

*1: Values when primary pressure is 0.7MPa and pressure drop is 0.01MPa. 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: In the case of "F1" with auto-drain, the min. working pressure is 0.15 MPa.

*3: The secondary oil concentration is the value when the primary oil concentration is 30mg/m³ and inlet air temperature is 21°C.

*4: Install an oil mist filter (S type) as a pre-filter on the primary side to prevent early clogging.

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

Option weight

* Add to the weight of the standard accessories.

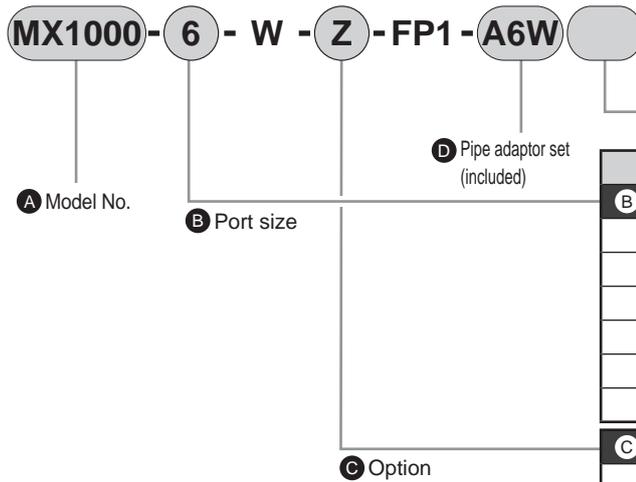
Unit: kg

Code	Drain discharge	Bowl material		Pipe adaptor set							Bracket
	F1	M	M1	A6W	A8W	A10W	A15W	A20W	A25W	A32W	BW
MX1000	0.007			0.09	0.09	0.09					0.1
MX3000	0.02	0.1	0.1		0.16	0.16	0.16				0.17
MX4000	0.02	0.1	0.1		0.16	0.16	0.16	0.16			0.21
MX6000	0.02	0.1	0.1					0.53	0.53	0.53	0.34
MX8000	0.02	0.1	0.1					0.53	0.53	0.53	0.36

Super Oil Mist Filter Series

How to order

How to order



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

A Model No.				
MX1000	MX3000	MX4000	MX6000	MX8000

Code	Description	MX1000	MX3000	MX4000	MX6000	MX8000
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	With manual drain cock	●	●	●	●
	F1	Auto-drain 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		●	●	●
Differential pressure detection	Blank	Without differential pressure detection port	●	●	●	●
	Q	With differential pressure detection port (Rc1/4)			●	●
Flow Direction	Blank	Standard flow (left → right)	●	●	●	●
	X1	Reverse flow (right → left)	●	●	●	●

D Pipe adaptor set (attachments)		*4 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 Bracket (included)		Refer to CB-024SA				
Blank	Not included	●	●	●	●	●
BW	C-bracket	●	●	●	●	●

⚠ 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 (Normally Open) auto-drain cannot be selected.
- *3: Refer to (Pneumatic, Vacuum, and Auxiliary Components (CB-024SA)) for the auto-drain use conditions.
- *4: The pipe adaptor set and C type bracket cannot be used together.
- *5: The joiner set is attached with the pipe adapter set.

For dimensions, refer to the high performance oil mist filter 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