



Oil mist filter for outdoor use

MW4000/MW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol

RoHS

Specifications

Descriptions	MW4000-W	MW8000-W
Working fluid	Compressed air	
Working pressure MPa	0.1 to 1.0 *2	
Proof pressure MPa	1.5	
Drain capacity cm ³	80	80
Port size Rc, NPT, G	1/4, 3/8, 1/2	3/4, 1
Weight kg	0.62	1.45

Option weight

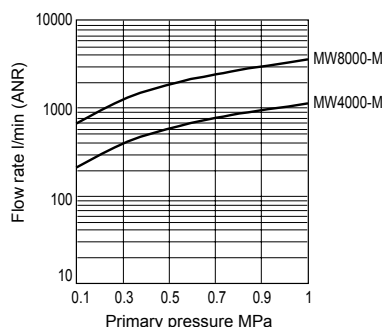
* Add to the weight of the standard accessories. Unit: kg

Code	Drain discharge	Attachment
	F1	BW
MW4000	0.02	0.21
MW8000	0.02	0.36

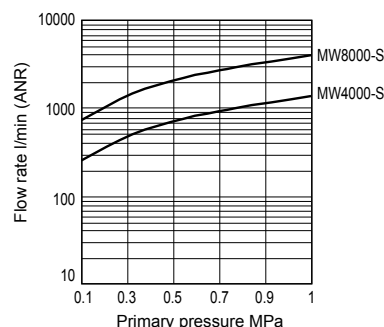
Mantle option name	Blank (M type)	S (S type)
Max. processing flow rate *1 l/min (ANR)	MW4000-□-W 825	1000
At primary side pressure of 0.7 MPa	MW8000-□-W 2600	2900
Fluid temperature °C	5 to 60	
Ambient temperature °C	-10 to 60 (no freezing)	
Filtration μm	0.01 (nominal)	0.3
Secondary side oil concentration mg/m ³	0.01 or less (0.1 or less after oil saturation) *3, *4	0.5 or less *3
Mantle (element) change	1 year (6000 hours) or pressure drop 0.1 MPa	

Flow characteristics (max. processing flow rate)

● MW*000-W-M



● MW*000-W-S



*1: Use within the max. processing flow rate.

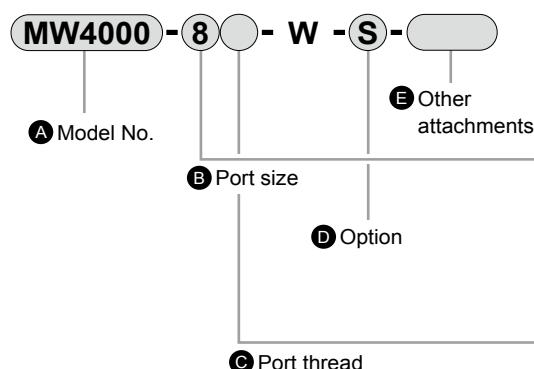
If the max. processing flow is exceeded temporarily, or if the filter is installed at a place with high levels of pulsation, the mantle could be damaged or oil or drainage, etc., could splatter to the secondary side and result in faults at the terminal.

*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 30 mg/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.

How to order



Precautions for model No. selection

*1: G and NPT threads are available for IN, OUT and drain outlet of auto-drain.

*2: NPT and G threads are sold for overseas use. Select the Rc thread in the case of those for the Japanese market. (In the case of those for the Japanese market, the pressure unit must be MPa and temperature display must be °C due to the Measurement Act.)

*3: Select options for the drainage, mantle, warranty period and flow direction. When selecting options for several items, list options in order from the top.

*4: NO auto-drain cannot be selected.

*5: Refer to "Pneumatic, Vacuum, and Auxiliary Components (Catalog No. CB-024SA)" for the auto-drain use conditions.

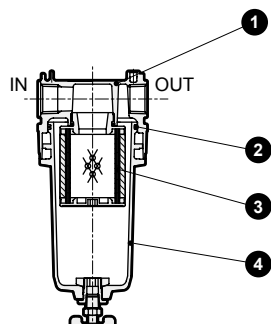
*6: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use, whichever comes first.

*7: For option G, the specifications must be agreed upon.

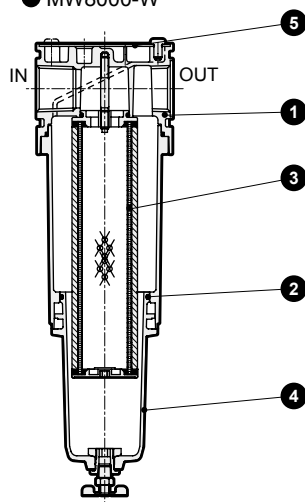
		A Model No.		
		MW4000	MW8000	
Code	Content			
B Port size				
8	1/4	●		
10	3/8	●		
15	1/2	●		
20	3/4		●	
25	1		●	
C Port thread				
		*1	*2	
Blank	Rc thread (pressure unit: MPa temperature display unit: °C)	●	●	
N	NPT thread (pressure unit: psi temperature display unit: °F)	●	●	
G	G thread (pressure unit: bar temperature display unit: °C)	●	●	
D Option				
		*3		
Drain discharge *4 *5	Blank	With manual cock	●	●
	F1	Auto-drain with manual override (NC: No exhaust when not pressurized)	●	●
Mantle (element)	Blank	M type (nominal 0.01 μm; remaining oil 0.01 mg/m ³)	●	●
	S	S type (0.3 μm; remaining oil 0.5 mg/m ³)	●	●
Warranty period	Blank	1 year after delivery	●	●
	G	3 years after delivery (with inspection certificate, inspection guidelines, drawings, specifications, traceability system diagram)	●	●
Flow direction	Blank	Standard flow (left → right)	●	●
	X1	Reverse flow (right → left)	●	●
E Other attachments				
Blank		Not attached	●	●
BW		C bracket	●	●

Internal structure and parts list

● MW4000-W



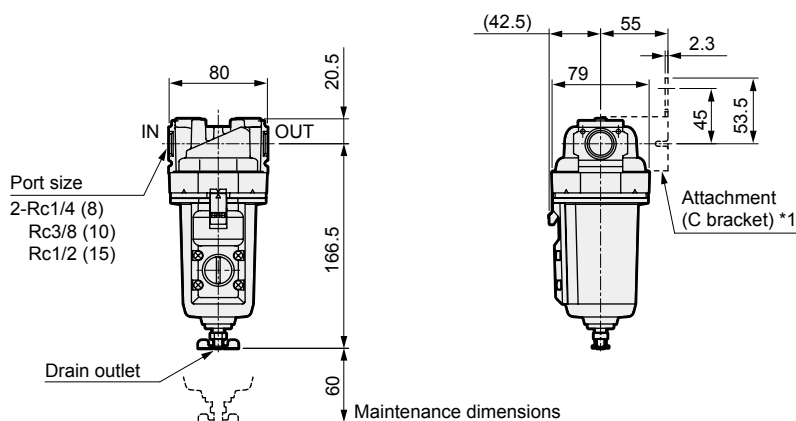
● MW8000-W



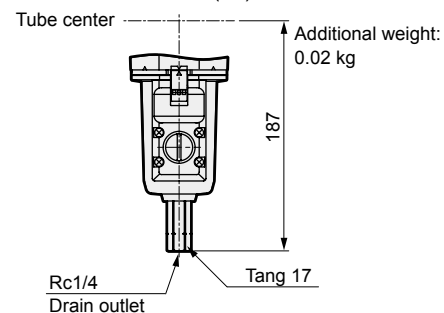
No.	Part name	Material
1	Body	Aluminum alloy die-casting
2	O-ring	Special nitrile rubber
3	Mantle assembly	-
4	Metal cup assembly	Aluminum alloy die-casting, copper alloy, zinc alloy die-casting, nitrile rubber
5	Plate cover	Aluminum

Dimensions

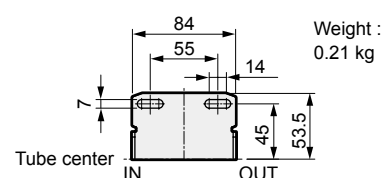
● MW4000-W



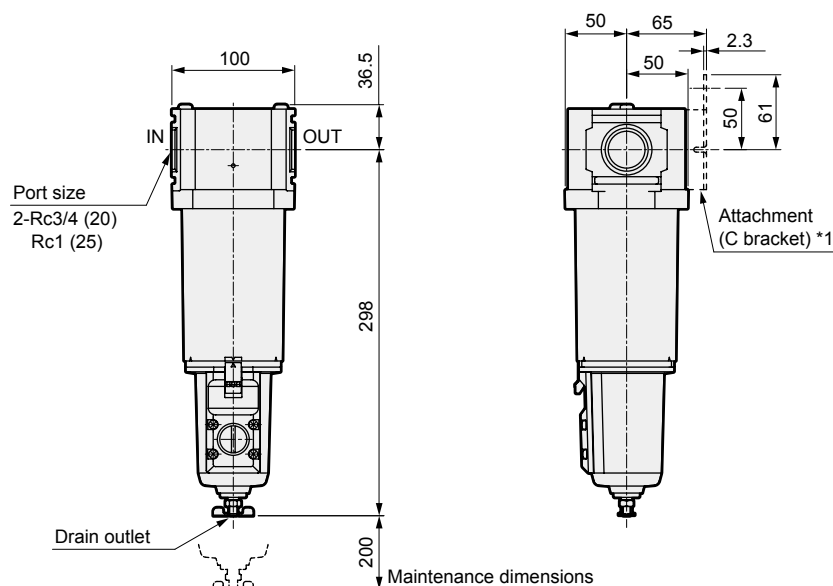
• Optional dimensions With auto-drain (F1)



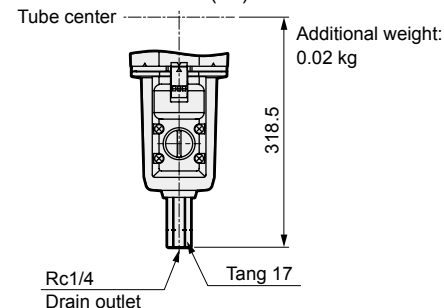
• Attachment C bracket (-BW) Part model No.: B420



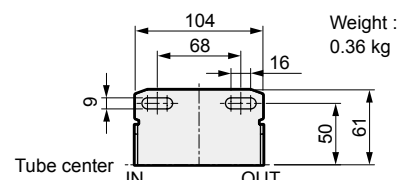
● MW8000-W



• Optional dimensions With auto-drain (F1)



• Attachment C bracket (-BW) Part model No.: B820



*1: Bracket is optionally attached.