

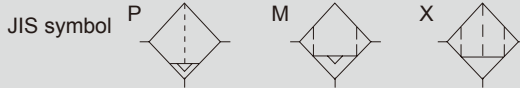
Discontinue

Main line filter

AF2000P/M/X Series

Ideal for solid particle removing, oil removing and deodorizing applications.

● Processing air flow rate: 3.7 to 25.8 m³/min (ANR) (when at 0.7 MPa)



Specifications

Descriptions	AF2004□-25	AF2007□-40	AF2010□-40	AF2013□-50	AF2020□-50	AF2026□-65
Processing air flow rate m ³ /min (ANR)	3.7	6.6	9.6	13.2	19.8	25.8
Working fluid	Compressed air					
Working pressure MPa	0.1 to 1.0					
Proof pressure MPa	1.5					
Port size Rc	1	1 1/2		2		2 1/2
Weight in () is X type kg	2.6(2.2)	3.0(2.6)	4.9(4.5)	5.6(5.25)	5.65(5.25)	11.1(10.7)
Differential pressure indicator	Standard (Excluding X type)					
Drain discharger	No					
Drain outlet bore size Rc	1/2					

□ indicates series name.

Descriptions	P type	M type	X type
Working ambient temperature °C	5 to 60		5 to 30
Filtration μm	1	0.01	Suction by activated carbon
Secondary side oil concentration mg/m ³	0.6	0.01	0.003
Initial pressure drop MPa	0.007	0.01	0.02
Regular pressure drop MPa	0.014	0.02	-

*1: Processing air flow rate is the atmospheric pressure conversion value where the inlet pressure is 0.7 MPa.

*2: ANR indicates conditions of 20°C atmospheric pressure and relative humidity 65%.

*3: The secondary side oil concentration is the value when the inlet air temperature is 21°C.

*4: The P/M elements must be replaced after one year or when the differential pressure indicator needle reaches the red range, whichever is faster.

*5: Replace the X element after 650 hours (at 21°C) or when the deodorizing effect is lost.

*6: The X type has a ball valve (G1/2) at the discharge outlet.

How to order

AF2 004 P - 25 - P4

A Flow rate classification

B Element

C Bore size

Code	Content
A Flow rate classification	
004	3.7 m ³ /min(ANR)
007	6.6 m ³ /min(ANR)
010	9.6 m ³ /min(ANR)
013	13.2 m ³ /min(ANR)
020	19.8 m ³ /min(ANR)
026	25.8 m ³ /min(ANR)
B Element	
P	P type (solid/oil removing filter)
M	M type (high-performance solid/oil removing filter)
X	X type (odor removing filter)
C Bore size	
25	Rc1
40	Rc1 1/2
50	Rc2
65	Rc2 1/2

⚠ Note on model No. selection

*1: The unit's performance may not be attained if used at less than the selected pressure. Always select the model No. with the working pressure.

*2: Custom order. Contact CKD for details.

Flow rate compensation coefficient

Pressure (MPa)	Compensation coefficient
0.1	0.38
0.2	0.53
0.3	0.65
0.4	0.76
0.5	0.85
0.6	0.93
0.7	1.0
0.8	1.07
0.9	1.13
1.0	1.18

If working pressure is other than 0.7 MPa, multiply processing air flow rate by the above coefficient.

Compatibility table by variation

	AF2000
Port size	Rc1, 1 1/2, 2, 2 1/2
P4	▲