



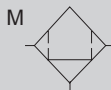
Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Medium main line filter

AF2 Series

Ideal for removal of solids, oil removing and deodorizing applications.
Processing air flow rate: 4.95 to 24.1m³/min (ANR)(At 0.7 MPa)

JIS symbol^P



Specifications

Item	AF2-05□25 A	AF2-08□32 A	AF2-11□40 A	AF2-13 □50 A	AF2-20□50 A	AF2-24□65 A
Processing air flow rate m ³ /min(ANR)	4.95	7.93	11.3	12.8	19.8	24.1
Working fluid	Compressed air					
Working pressure MPa	0.1 to 1.0					
Proof pressure MPa	1.5					
Port size Rc	1	1 1/4	1 1/2	2		2 1/2
Weight kg	2.2	6	5.9	5.7	6.9	13
Pop-up indicator	Standard equipment (Excluding X type)					
Drain discharger	No					
Drain outlet bore size Rc	1/2					

□ indicates type name.

Item	P type	M type	X type
Operating ambient temperature range °C	5 to 60		5 to 50
Filtration rating μm	1	0.01	Suction by activated carbon
Secondary side oil concentration mg/m ³	0.3	0.01	0.003
Initial pressure drop MPa	0.0055	0.0085	0.0115
Regular pressure drop MPa	0.0125	0.0125	-

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

*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: Drainage is manual discharge.

*5: P/M elements must be replaced after one year or when the pop-up indicator turns red, whichever is faster.

*6: Replace the X element after 1000 hours (at 21°C) or when the deodorizing effect is lost.

*7: The initial pressure drop is 0.008MPa for AF2-20P50A and 0.011MPa for AF2-20M50A.

How to order

AF2 - 05 P 25A - P4

A Flow rate classification

B Element

C Bore size

Code	Description
A Flow rate classification	
05	4.95m ³ /min(ANR)
08	7.93m ³ /min(ANR)
11	11.3m ³ /min(ANR)
13	12.8m ³ /min(ANR)
20	19.8m ³ /min(ANR)
24	24.1m 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 removal filter)
C Bore size	
25A	Rc1
32A	Rc1 1/4
40A	Rc1 1/2
50A	Rc2
65A	Rc2 1/2

Compatibility table by variation

	AF2
Port size	Rc1, 1 1/4, 1 1/2, 2, 2 1/2
P4	▲

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

⚠ Note on model No. selection

The unit's full performance may not be obtained if used at less than the selected pressure. Be sure to select the model No. with your working pressure.

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	0.84
0.6	0.92
0.7	1.0
0.8	1.07
0.9	1.13
1.0	1.19

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

*1. Made-to-order product. Contact CKD Sales for details.