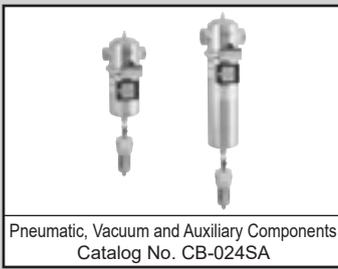
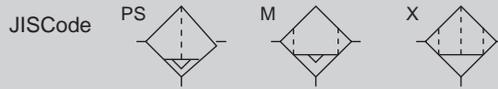


Medium main line stainless steel filter

AF4000P/S/M/X-FP1 Series

Ideal for pre-filter, oil removal and deodorizing applications.

● Processing air flow rate: 3.7 to 18.8m³/min (ANR) (0.7MPa)



Specifications

Item	AF4004 □ -25	AF4007 □ -40	AF4010 □ -40	AF4013 □ -50	AF4020 □ -50
Processing air flow rate m ³ /min(ANR)	3.7	6.2	10	13	18.8
Working fluid	Compressed air				
Working pressure MPa	0.1 to 1.0				
Ambient temperature °C	5 to 60				
Proof pressure MPa	1.5				
Port size Rc	1	1 1/2		2	
Weight kg	3	3.3	3.7	4.3	6
Element life indicator	Standard only for M type				
Drain discharger	DT3000-15-W-FP1 (Excluding X type)				
Drain outlet bore size	Directly connecting bore size ø5.7 to ø6 nylon tube (Excluding X type)				

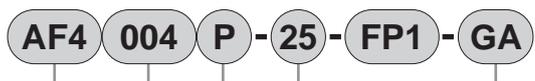
□ indicates series name.

Item		P type	S type	M type	X type
Performance	Processing air	0.7			
	Conditions	32			
	Inlet air pressure MPa	0.7			
	Inlet air temperature °C	32			
Vacuum components	Inlet air dew point °C	-	-	No water infiltration or droplet generation	Pressure dew point 10°C
	Inlet oil content mg/m ³	-	-	3	0.01
	Degree of filtration μm	5	1	0.01	Suction by activated carbon fibers
	Secondary oil content mg/m ³	-	-	0.01	0.003
	Water separation efficiency %	99	-	-	-
	Pressure drop	Initial MPa	0.005	0.005	0.01
Element Replacement time	Pressure drop MPa	0.02	0.07	0.07	-
	Duration of use	8000 hours or 1 year			

*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 20°C.
 *4: The drain discharger is NO. Air is purged with initial drainage until pressure reaches 0.1 MPa.

*5: The P/S/M type elements must be replaced when the pressure drops or the service life is reached, whichever comes first.
 *6: Replace the X type element when the service life is reached or when the deodorizing effect is lost.
 *7: P type is not available in AF4020.

How to order



Code	Description
A Flow rate classification	
004	3.7m ³ /min(ANR)
007	6.2m ³ /min(ANR)
010	10m ³ /min(ANR)
013	13m ³ /min(ANR)
020	18.8m ³ /min (ANR) (S, M, or X only)
B Element	
P	PType(Solid/water removing filter)
S	SType(For solid removing filter)
M	MType(Oil mist/For removal filter)
X	XType(For deodorizing filter)
C Bore size	
25	Rc1
40	Rc1 1/2
50	Rc2
D Accessories	
GA	Differential pressure gauge(GA400-8-P02) included
EL	Element life indicator included

(An element life indicator is mounted on the M type as standard.)

⚠ Note on model No. selection

The required performance may not be attained if using at a level less than the selected pressure. Always select the model No. with the working pressure.

Flow rate compensation coefficient

Pressure(MPa)	Auxiliary coefficient
0.2	0.36
0.3	0.5
0.4	0.62
0.5	0.75
0.6	0.88
0.7	1.0
0.8	1.13
0.9	1.25
1.0	1.38

If the inlet pressure is not 0.7 MPa, multiply the coefficient above with the processing air flow rate.

For dimensions, refer to the AF4000 Series in "Pneumatic, Vacuum and Auxiliary components (CB-024SA)".