

F SERIES FLANGED AIR FILTERS

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Features

- Elements are assembled with a tie rod system
- Two external float drains for maximum drainage
- Unique design for pre-separation zone
- Strong welded design
- CE and ASME tanks available
- Design for easy element change from top flange

External Float Drain

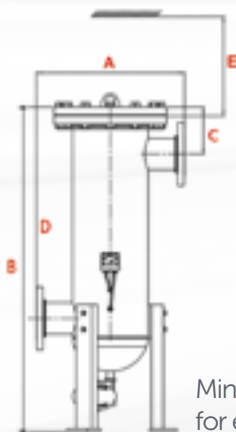
Mikropor external drain is designed to remove liquid condensation from collection points in a Compressed Air System.

Durable epoxy powder-coat finish and corrosion resistant internal anodised coating for longer service life.

Correction Factor

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

Operating Pressure (barg)	psig	Correction Factor
1	14	0.50
3	44	0.71
5	72	0.87
7	100	1.00
9	130	1.12
11	160	1.22
13	188	1.32
14	200	1.38



Minimum clearance
for element change



Minimum clearance
for element change

High Performance Elements Inside



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Technical Specifications

Model	Drain Port Size	Inlet/Outlet Port Size	Flow Rate		Max. Working Pressure (barg)	Element Model	Number of Elements	Housing Dimensions (mm)				
			(m³/h)	(cfm)				A	B	C	D	E
F2500	1/2"	DN80	2500	1470	14	M1200	2	450	1287	277	747	650
F3200	1/2"	DN100	3200	1880	14	M1200	3	450	1317	277	767	650
F4300	1/2"	DN100	4300	2530	14	M1200	4	530	1344	279	769	650
F6500	1/2"	DN150	6500	3825	14	M1200	6	580	1425	331	796	650
F8500	1/2"	DN150	8500	5000	14	M1200	8	650	1439	333	798	650
F11000	1/2"	DN200	11000	6470	14	M1200	10	750	1504	365	825	650
F14000	1/2"	DN200	14000	8235	14	M1200	14	800	1545	383	833	650
F17000	1/2"	DN250	17000	10000	14	M1200	16	850	1583	417	862	650
F21000	1/2"	DN300	21000	12350	14	M1200	17	850	1680	447	887	650
F25500	1/2"	DN350	25500	15000	14	M1200	23	850	1778	487	917	650
F30000	1/2"	DN350	30000	17650	14	M1200	28	850	1778	487	917	650

Given flows are at 7 barg pressure with reference to 20°C and 1 barg atmospheric air suction as per ISO7183.

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon	Drain Type
Grade	P	X	Y	A	Electro - Adjustable
Particle Removal (Micron)	5	1	0.01	0.01	External Float Type
Max. Oil Carryover at 21°C (mg/m³)	5	0.1	0.01	0.003	Zero-Loss Drain
Max. Working Temperature (°C)	80	80	80	50*	Manual
Initial Pressure Loss (mbar)	40	80	100	80	
Pressure Loss for Element Change (mbar)	700	700	700	700	
Element Color Mode	White	White	White	Metal SS	

*For 0.003 mg/m³ quality oil in the air, the inlet temperature should be 25°C

Notes

- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- 4) Flow rates are based on a 7 barg operating pressure, for flows at other pressures use correction factor given above.
- 5) All filters are suitable for use with mineral and synthetic oils.
- 6) Other standards for flanged connections are available.
- 7) Direction of air flow is inside to out, through filter element.
- 8) Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO 7183 standard.

Ordering

The complete filter model number contains the size and grade, Example - pipe size NW100 oil removal filter with model filter F3200MY replacement filter element model M1200Y.

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