



F US 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

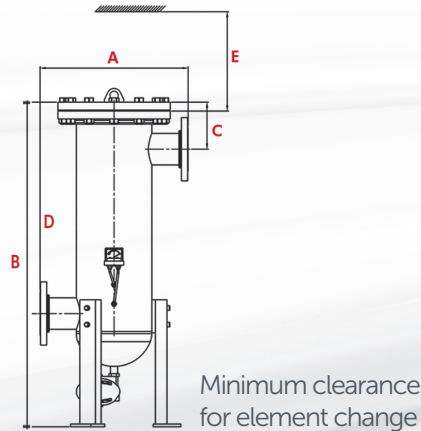
Mikropor external drain is designed to remove liquid condensation from collection points in a Compressed Air System.

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 (bar)	PSI	Correction Factor
1	14	0.5
3	44	0.71
5	72	0.87
7	100	1
9	130	1.12
11	160	1.22
13	188	1.32
14	200	1.38



**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 (psi)	Element Model	Number of Elements	Housing Dimensions (inch)				
			(m³/h)	(cfm)				A	B	C	D	E
F-US 1500	1/2" NPT	3"	2500	1470	200	M1200	2	18	51	11	29	26
F-US 1900	1/2" NPT	4"	3200	1880	200	M1200	3	18	52	11	30	26
F-US 2500	1/2" NPT	4"	4300	2530	200	M1200	4	21	53	11	30	26
F-US 3800	1/2" NPT	6"	6500	3825	200	M1200	6	23	56	13	31	26
F-US 5000	1/2" NPT	6"	8500	5000	200	M1200	8	26	57	13	31	26
F-US 6500	1/2" NPT	8"	11000	6470	200	M1200	10	30	59	14	32	26
F-US 8300	1/2" NPT	8"	14000	8235	200	M1200	14	32	61	15	33	26
F-US 10000	1/2" NPT	10"	17000	10000	200	M1200	16	33	62	16	34	26
F-US 12400	1/2" NPT	12"	21000	12350	200	M1200	17	33	66	18	35	26
F-US 15000	1/2" NPT	14"	25500	15000	200	M1200	23	33	70	19	36	26
F-US 17700	1/2" NPT	14"	30000	17650	200	M1200	28	33	70	19	36	26

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 (°F)	176	176	176	122	Manual
Initial Pressure Loss (psi)	0.58	1.16	1.45	1.16	
Pressure Loss for Element Change (psi)	10	10	10	10	
Element Color Mode	White	White	White	Metal SS	

For 0.003 mg/m³ quality oil in the air, the inlet temperature should be 75°F.

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 100 psi 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.

Ordering

The complete filter model number contains the size and grade, Example - pipe size NW100 oil removal filter with model filter F-US-1900 MY replacement filter element model M1200Y.

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