



High Performance Elements inside



### 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

The 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.



# Flanged Compressed Air Filters

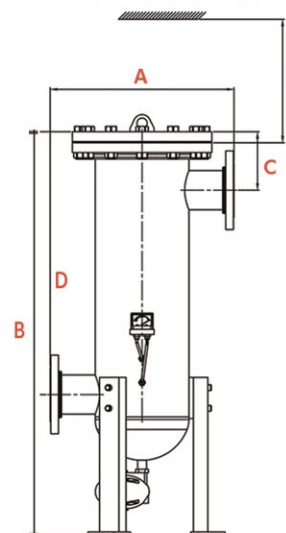
## Technical Specifications

Model	Drain Port Size (NPT)	Inlet/Outlet Port Size (NPT)	Flow Rate (scfm)	Max. working pressure (psi)	Element Model	Number of Elements	Housing Dimensions (inch)				
							A	B	C	D	E
F-US-1500	1/2"	3"	1500	200	M1200	2	17.7"	51"	11"	29.5"	25.5"
F-US-1900	1/2"	4"	1900	200	M1200	3	17.7"	52.2"	11"	30.3"	25.5"
F-US-2500	1/2"	4"	2500	200	M1200	4	20.9"	53.2"	11.1"	30.4"	25.5"
F-US-3800	1/2"	6"	3800	200	M1200	6	22.8"	56.4"	13.1"	31.4"	25.5"
F-US-5000	1/2"	6"	5000	200	M1200	8	25.6"	57.1"	13.25"	31.56"	25.5"
F-US-6500	1/2"	8"	6500	200	M1200	10	29.5"	59.6"	14.5"	32.6"	25.5"
F-US-8300	1/2"	8"	8300	200	M1200	14	31.5"	60.7"	15"	32.7"	25.5"
F-US-10000	1/2"	10"	10000	200	M1200	16	33.5"	64"	16.3"	33.84"	25.5"
F-US-12400	1/2"	12"	12400	200	M1200	17	33.5"	66"	17.5"	34.8"	25.5"
F-US-15000	1/2"	14"	15000	200	M1200	23	39.4"	69.7"	18.9"	35.8"	25.5"
F-US-17700	1/2"	14"	17700	200	M1200	28	39.4"	69.7"	18.9"	35.8"	25.5"

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon
Grade	<b>P</b>	<b>X</b>	<b>Y</b>	<b>A</b>
Particle Removal (Micron)	5	1	0.01	0.01
Max. Oil carryover at 70°F / 21°C (mg/m <sup>3</sup> )	5	0.5	0.01	0.003
Max. working temperature (°F)	176	176	176	77
Initial pressure loss (psi)	0.58	1.16	1.45	1.16
Pressure loss for element change (psi)	10.15	10.15	10.15	10.15
Element colour code	WHITE	WHITE	WHITE	METAL SS

DRAIN TYPE
Electro - adjustable
External float type
Zero-loss Drain
Manual

Minimum clearance for element change



## Correction Factor

Operating Pressure (barg)	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	130	160	189	200
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.38

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

### Correction Sample:

if an compressor delivers 3000 scfm at 160 psi please choose your Filter model as follow:  
 $3000 \text{ scfm} / 1.22 = 2460 \text{ scfm}$  your model is F-US-2500

### 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, inside to out, through filter element

### ORDERING:

The complete filter model number contains the size and grade, Example - pipe size 6" oil removal filter with model filter F-US-3800MY replacement filter element model M1200Y.