



# COMPRESSED AIR FILTERS

FLANGED CONNECTIONS

F-Series

# COMPRESSED AIR FILTERS (F-SERIES) FLANGED CONNECTIONS

## TECHNICAL SPECIFICATIONS

Filter Models Available	F0515 to F10280				
Filter Connection Sizes Available	DN80 to DN300 Flanges				
Filter Flow-rate Capacity Available	30.80 m <sup>3</sup> /min to 616.00 m <sup>3</sup> /min				
Maximum Recommended Pressure (Bar)	16 Bar				
Maximum Recommended Temperature (°C) *	60 to 80°C				
Design Code	ASME VIII DIV.1				
Product Compliance	Department of Safety & Health (DOSH, JKPP)				
Filtration Grades Available	P	U	H	S	C
Oil Removal, down to (mg/m <sup>3</sup> )	n/a	0.1	0.01	0.001	0.003
Particle Removal, down to (micron)	3	1	0.01	0.01	n/a
Nominal Initial Differential Pressure (Bar)	0.03	0.05	0.09	0.10	0.10

\* Depending on model types and requirements.

## MATERIAL SPECIFICATIONS

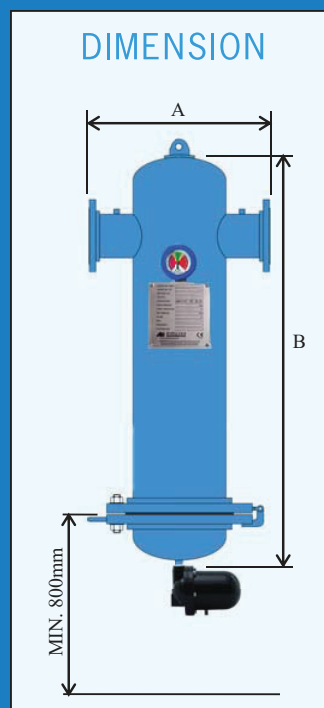
Housing Material	Carbon Steel / Mild Steel
Housing Coating	Epoxy (Internal and External)
Housing & Element O-Ring / Gasket	Nitrile
Flanges	BS EN1092-1 PN16 (Mild Steel)
Standard Accessories	Automatic Drain (Float Type) & Differential Pressure Gauge

## STANDARD FACTORY TEST

For Housing	Hydrostatic Test on housings with water pressure at 24 bar g
For Housing	Leakage Test on housings with air pressure at 5-7 bar g
For Element	Integrity Test on elements with pressurized particles of 0.2-20 micron

Model	Conn. (inch)	Capacity @ 7 Bar g		Approx. Dimensions		Approx. Weight (Kg)	Element Model
		m <sup>3</sup> /min	cfm	A (mm)	B (mm)		
F0515-DN80	3	30.80	1087	440	1098	65.77	EA515
F0625-DN80	3	37.50	1324	449	1176	100.63	EA625
F0775-DN80	3	46.62	1645	449	1176	101.07	EA775
F1028-DN100	4	61.60	2174	500	1254	128.09	EA515 x 2
F1542-DN100	4	92.40	3261	500	1254	129.41	EA515 x 3
F1542-DN125	5	92.40	3261	510	1254	129.41	EA515 x 3
F2056-DN150	6	123.20	4348	640	1387	182.74	EA515 x 4
F3084-DN150	6	184.80	6522	790	1460	252.39	EA515 x 6
F4112-DN200	8	246.40	8696	790	1545	282.03	EA515 x 8
F5140-DN200	8	308.00	10870	840	1651	388.68	EA515 x 10
F6168-DN250	10	369.60	13044	940	1862	562.33	EA515 x 12
F8224-DN250	10	492.80	17392	940	1862	567.63	EA515 x 16
F10280-DN300	12	616.00	21740	940	1862	577.92	EA515 x 20

Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1.0	1.13	1.25	1.38	1.51	1.63	1.75	1.88	2.0	2.13



### Optional Condensate Drain



ESD Series



ETD Series



Gate Valve



EAD 416

### General Information:

- Filter housings comply to the Department of Safety & Health (DOSH, JKPP).
- Maximum recommended operating of 60°C, High temperature range is also available.
- Minimum recommended operating temperature 1°C.
- Maximum recommended operating pressure of 16 bar g.
- Maximum recommended pressure differential for element change is 0.6 bar g ( except Grade C).
- Material for F-Type filter is Carbon Steel / Mild Steel.
- Filters come complete with auto drain or manual drain.
- The weights provided are approximate and do not included packaging.

Airfilter Engineering reserves the right to change specifications without prior notice.(V0/10/16)