



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 m3/min to 616.00 m3/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/m3)	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

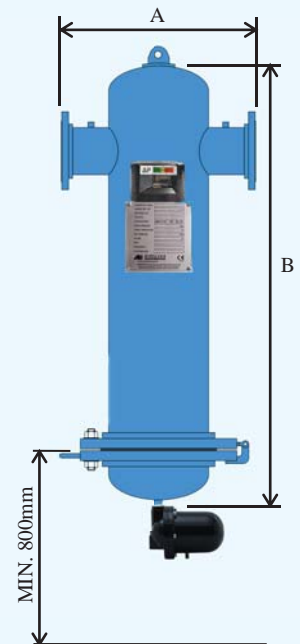
STANDARD FACTORY TEST

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.	Capacity @ 7 Bar g		Approx. Dimensions		Approx. Weight (Kg)	Element Model
		m3/min	cfm	A (mm)	B (mm)		
F0515	DN80	30.80	1087	440	1098	65.77	EA515
F0625	DN80	37.50	1324	449	1176	100.63	EA625
F0775	DN80	46.62	1645	449	1176	101.07	EA775
F1028	DN100	61.60	2174	500	1254	128.09	EA515 x 2
F1542	DN100	92.40	3261	500	1254	129.41	EA515 x 3
F2056	DN150	123.20	4348	640	1387	182.74	EA515 x 4
F3084	DN150	184.80	6522	790	1460	252.39	EA515 x 6
F4112	DN200	246.40	8696	790	1545	282.03	EA515 x 8
F5140	DN200	308.00	10870	840	1651	388.68	EA515 x 10
F6168	DN250	369.60	13044	940	1862	562.33	EA515 x 12
F8224	DN250	492.80	17392	940	1862	567.63	EA515 x 16
F10280	DN300	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

DIMENSION



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.