



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

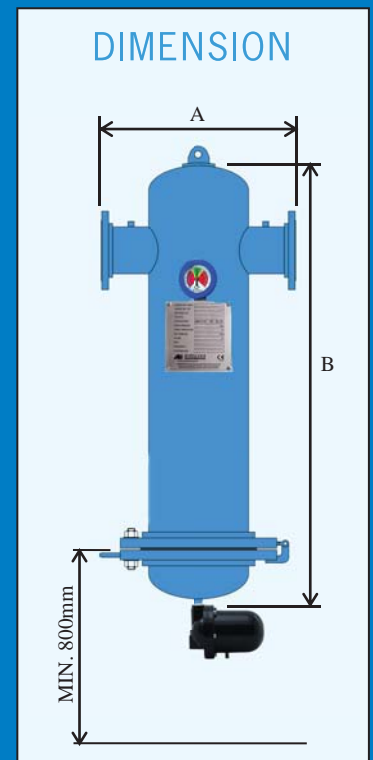
| | |
|-----------------------------------|------------------------------------------------------------|
| Housing Material | Carbon Steel / Mild Steel |
| Housing Coating | Epoxy (Internal and External) |
| Housing & Element O-Ring / Gasket | Nitrile |
| Flanges | BS EN1092-1 PN16 (Mild Steel) |
| Standard 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 |



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.