



Flanged Filters





Compressed Air Filters

Drytec Flanged Housing Range

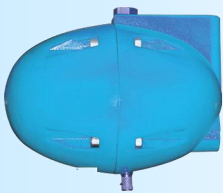


Features

- Elements are assembled by the help of a tie rod system.
- External float drains for excellent drainage
- Strong welded design
- CE and ASME tanks available
- Design for easy element change



External float drain



Drytec 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 anodized coating for long service life.





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Technical specifications of Drytec Flanged Housing Range

| Model | Drain port size NPT | Inlet / Outlet port size | Flow Rate | | Element Model | Number of Elements | Housing Dimensions (mm) | | | |
|----------|---------------------|--------------------------|---------------------|------------------------|---------------|--------------------|-------------------------|------|-----|-----|
| | | | (m ³ /h) | (m ³ /min.) | | | A | B | C | D |
| F2500MP | 1/2" | DN80 | 2500 | 41,7 | M1200 | 2 | 449 | 1295 | 279 | 749 |
| F3200MP | 1/2" | DN100 | 3200 | 53,4 | M1200 | 3 | 449 | 1325 | 279 | 769 |
| F4300MP | 1/2" | DN100 | 4300 | 71,7 | M1200 | 4 | 530 | 1351 | 281 | 772 |
| F6500MP | 1/2" | DN150 | 6500 | 108,4 | M1200 | 6 | 579 | 1432 | 332 | 797 |
| F8500MP | 1/2" | DN150 | 8500 | 141,7 | M1200 | 8 | 650 | 1450 | 336 | 801 |
| F11000MP | 1/2" | DN200 | 11000 | 183,4 | M1200 | 10 | 749 | 1513 | 368 | 828 |
| F14000MP | 1/2" | DN200 | 14000 | 233,4 | M1200 | 14 | 800 | 1701 | 381 | 830 |
| F17000MP | 1/2" | DN250 | 17000 | 283,4 | M1200 | 16 | 850 | 1625 | 414 | 859 |
| F21000MP | 1/2" | DN300 | 21000 | 350 | M1200 | 17 | 850 | 1676 | 444 | 883 |
| F25500MP | 1/2" | DN350 | 25500 | 425 | M1200 | 23 | 1000 | 1770 | 480 | 909 |
| F30000MP | 1/2" | DN350 | 30000 | 500 | M1200 | 28 | 1000 | 1770 | 480 | 909 |

| Specifications | Pre Filtering | General Purpose | Oil Removal | Activated Carbon |
|---|---------------|-----------------|-------------|------------------|
| Grade | P | X | Y | A |
| Particle Removal (Micron) | 5 | 1 | 0,01 | 0,01 |
| Max. Oil carryover at 21°C (mg/m ³) | 5 | 0,5 | 0,01 | 0,03 |
| Max. working temperature (°C) | 80 | 80 | 80 | 25 |
| Max. working pressure | 16 | 16 | 16 | 16 |
| Initial pressure loss (mbar) | 40 | 80 | 100 | 80 |
| Pressure loss for element change (mbar) | 700 | 700 | 700 | 700 |
| Element colour code | GREEN | BLUE | RED | METAL SS |

| DRAIN TYPE |
|----------------------|
| Electro - adjustable |
| External float type |
| Zero-loss drain |
| Manual |



Correction Factor

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

| Operating Pressure (barg) | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 16 |
|---------------------------|-----|------|------|-----|------|------|------|------|------|
| PSIG | 15 | 44 | 73 | 100 | 131 | 160 | 189 | 218 | 247 |
| Correction Factor | 0,5 | 0,71 | 0,87 | 1 | 1,12 | 1,22 | 1,32 | 1,44 | 1,57 |

Notes

- Grade A must not operate in oil saturated conditions.
- Grade A elements should be replaced periodically to suit the applications but it must be changed at least every six months.
- Grade A will not remove certain gases including carbon monoxide and carbon dioxide.
- Flow rates are based on a 7 bar operating pressure.
- All filters are suitable for use with mineral and synthetic oils.
- Other standards for flanged connections are available.
- Direction of air flow, inside to outside, through filter element.

