

Downstream Equipments

HF Series

HF2400 / HF3600 / HF4800 / HF7200 / HF9600 / HF12000
HF16800 / HF19200 / HF20400 / HF27600 / HF33600



Filters

The compressed air coming from the compressor may contain unwanted elements such as oil, dust and humidity. The air in the external environment will also affect the quality of the final product. This air must be filtered prior to the final stage of production.

Flanged Housing Range Features

- Elements are assembled by the help of a tie rod System.
- Two external float drains for excellent 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

Hertz 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 long service life.

Correction Factor

For maximum flow rate, multiply model flow rate show in the below 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 |



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SPECIFICATIONS

hertz[®]
KOMPRESSOREN

| Model | Drain Port Size NPT | Inlet / Outlet Port Size NPT | Flow Rate | | Element Model | Number of Elements | Housing Dimensions (mm) | | | | |
|---------|---------------------|------------------------------|---------------------|------------------------|---------------|--------------------|-------------------------|------|-----|-----|-----|
| | | | (m ³ /h) | (m ³ /min.) | | | A | B | C | D | E |
| HF2400 | 1/2" | DN80 | 2400 | 40 | M1200 | 2 | 450 | 1287 | 277 | 747 | 650 |
| HF3600 | 1/2" | DN100 | 3600 | 60 | M1200 | 3 | 450 | 1317 | 277 | 767 | 650 |
| HF4800 | 1/2" | DN100 | 4800 | 80 | M1200 | 4 | 530 | 1344 | 279 | 769 | 650 |
| HF7200 | 1/2" | DN150 | 7200 | 120 | M1200 | 6 | 580 | 1425 | 331 | 769 | 650 |
| HF9600 | 1/2" | DN150 | 9600 | 160 | M1200 | 8 | 650 | 1439 | 333 | 798 | 650 |
| HF12000 | 1/2" | DN200 | 12000 | 200 | M1200 | 10 | 750 | 1504 | 345 | 825 | 650 |
| HF16800 | 1/2" | DN200 | 16800 | 280 | M1200 | 14 | 800 | 1545 | 383 | 833 | 650 |
| HF19200 | 1/2" | DN250 | 19200 | 320 | M1200 | 16 | 850 | 1583 | 417 | 862 | 650 |
| HF20400 | 1/2" | DN300 | 20400 | 340 | M1200 | 17 | 850 | 1680 | 447 | 887 | 650 |
| HF27600 | 1/2" | DN350 | 27600 | 460 | M1200 | 23 | 850 | 1778 | 487 | 917 | 650 |
| HF33600 | 1/2" | DN350 | 33600 | 560 | M1200 | 28 | 850 | 1778 | 487 | 917 | 650 |

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

| 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/m3) | 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 |

NOTES

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

