

FILTER HOUSING – HF O2 - Oxygen

DESCRIPTION

HF O2 series of filter housings have been specifically developed for high efficient removal of solid particles from compressed Oxygen applications.

APPLICATIONS ⁽¹⁾

- General industrial application
- Medical
- Food and beverage
- Petrochemical
- Waste water treatment

⁽¹⁾ HF O2 filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.



TECHNICAL SPECIFICATION

| | | |
|-----------------------|---------------|-------------|
| Operating temperature | 1,5 - 65 °C | 35 - 149 °F |
| Operating pressure | 0 - 50 bar(g) | 0 - 725 psi |

MATERIALS

| | |
|----------------------|--|
| Housing material | Aluminum |
| Fittings, Screws | Brass, Brass-zinc plated, Steel |
| Cover | ABS |
| Sealing | FKM |
| Corrosion protection | Anodized |
| Outside protection | Powder paint coated (Epoxy-polyester base) |
| Lubricant | Berulub OX 40 EP (Oxygen compatible) |

SIZES

| TYPE | PIPE SIZE [inch] | FILTER ELEMENT | FLOW CAPACITY | | DIMENSIONS [mm] | | | | VOLUME [l] | MASS [kg] |
|-----------|---------------------|-------------------|----------------------|--------|-----------------|-----|----|-----|---------------|--------------|
| | | | [Nm ³ /h] | [scfm] | A | B | C | D | | |
| HF 007 O2 | 1/2 | HF 6060 | 71 | 42 | 250 | 110 | 30 | 80 | 0,8 | 2,4 |
| HF 010 O2 | 3/4 | HF 7060 | 112 | 66 | 250 | 110 | 30 | 90 | 0,8 | 2,4 |
| HF 018 O2 | 1 | HF 12060 | 204 | 120 | 250 | 110 | 30 | 140 | 0,8 | 2,4 |
| HF 047 O2 | 1 1/2 | HF 22090 | 282 | 166 | 535 | 160 | 45 | 260 | 4,0 | 6,1 |
| HF 070 O2 | 1 1/2 | HF 32090 | 400 | 235 | 535 | 160 | 45 | 360 | 4,0 | 6,1 |
| HF 094 O2 | 2 | HF 50090 | 494 | 291 | 715 | 160 | 45 | 540 | 5,5 | 13,0 |
| HF 150 O2 | 2 | HF 51090 | 799 | 470 | 715 | 160 | 45 | 550 | 5,5 | 13,0 |
| HF 200 O2 | 3 | HF 51140 | 2160 | 1270 | 772 | 198 | 70 | 620 | 16,7 | 30,3 |
| HF 240 O2 | 3 | HF 75140 | 2760 | 1620 | 1010 | 198 | 70 | 780 | 20,0 | 34,7 |

Flow capacity at 7 bar(g), 20°C

Standard is BSP pipe connection, other pipe connection on request.

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)

HF 007 - HF 018

Article 4.3

HF 047 - HF 070

Category 2, Module H

HF 094 – HF 240

Category 3, Module H

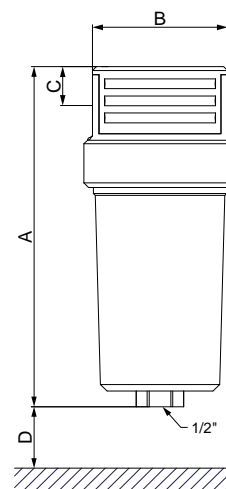
CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).

CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

| | | | | | | | | | | |
|-----------------|------|------|-----|------|------|------|------|------|------|------|
| [bar] | 3 | 5 | 7 | 10 | 13 | 16 | 20 | 30 | 40 | 50 |
| [psi] | 44 | 72 | 100 | 145 | 189 | 232 | 290 | 435 | 580 | 725 |
| C _{OP} | 0,50 | 0,75 | 1 | 1,38 | 1,75 | 2,13 | 2,63 | 3,88 | 5,13 | 6,38 |




MAINTENANCE

Replace filter element at least every 12 months or follow the instructions for specific filter element. Once per year make a visual check of filter housing and make sure there is no visual damage.

Warning – Use oxygen compatible lubricant grease only!

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

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|  | Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015 Reg. number: 200285 |
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