

# FILTER HOUSING – HF O2 FC - Oxygen

## DESCRIPTION

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

## APPLICATIONS <sup>(1)</sup>

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

<sup>(1)</sup>HF O2 FC 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 <sup>3</sup> /h]	[scfm]	A	B	C	D		
HF 007 O2FC	1/2	HF 6060	71	42	250	110	30	80	0,8	2,4
HF 010 O2FC	3/4	HF 7060	112	66	250	110	30	90	0,8	2,4
HF 018 O2FC	1	HF 12060	204	120	250	110	30	140	0,8	2,4
HF 047 O2FC	1 1/2	HF 22090	282	166	535	160	45	260	4,0	6,1
HF 070 O2FC	1 1/2	HF 32090	400	235	535	160	45	360	4,0	6,1
HF 094 O2FC	2	HF 50090	494	291	715	160	45	540	5,5	13,0
HF 150 O2FC	2	HF 51090	799	470	715	160	45	550	5,5	13,0
HF 200 O2FC	3	HF 51140	2160	1270	772	198	70	620	16,7	30,3
HF 240 O2FC	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

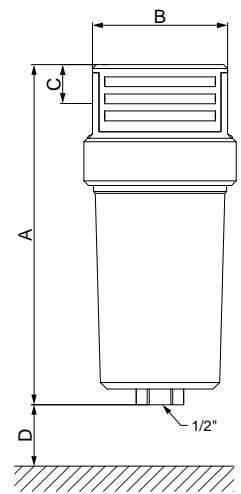
**CORRECTION FACTORS**

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<sub>OP</sub>

**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 <sub>OP</sub>	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

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