

FILTER HOUSING – HF

DESCRIPTION

HF filter housings have been specifically developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons, and other vapors from compressed air (1) systems. To meet the required compressed air quality, an appropriate filter element must be installed into the filter housing.

APPLICATIONS (2)

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- PET
- General industrial application

⁽¹⁾ For any other technical gas, please contact your local dealer or us.

⁽²⁾ HF filter housing belonging to Groups 1 and 2, as defined in Article 13, Chapter 1, Point (a), (b) of Directive 2014/68/EU, with reference to EC Regulation No. 1272/2008.



TECHNICAL SPECIFICATION

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

MATERIALS

Housing material	Aluminium
Fittings, Screws	Brass, Brass-zinc plated, Steel
Cover	ABS
Sealing	NBR
Corrosion protection	Anodized (optional)
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Shell cassida grease RLS 2

MAINTENANCE

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

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

HF 007 - HF 018

Article 4.3

HF 047 - HF 070

Category 1, Module A

HF 094 – HF 240

Category 2, Module H

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)⁽³⁾

HF 007 - HF 018

Article 4.3

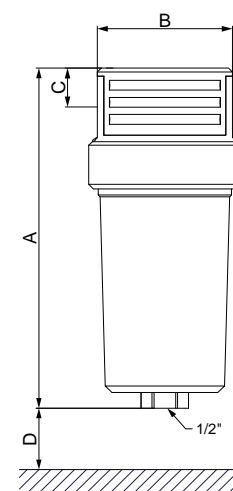
HF 047 - HF 070

Category 2, Module H

HF 094 – HF 240

Category 3, Module H

⁽³⁾ The fluid group must be specified in the order. If not, standard fluid group 2 is selected.



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

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	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015	
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