

FILTER HOUSING – HF

DESCRIPTION

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

APPLICATIONS ⁽²⁾

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



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

⁽²⁾ HF 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	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

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	2,1
HF 010	3/4	HF 7060	112	66	250	110	30	90	0,8	2,1
HF 018	1	HF 12060	204	120	250	110	30	140	0,8	2,1
HF 047	1 1/2	HF 22090	282	166	535	160	45	260	3,7	9,5
HF 070	1 1/2	HF 32090	400	235	535	160	45	360	3,7	9,5
HF 094	2	HF 50090	494	291	715	160	45	540	5,2	12,2
HF 150	2	HF 51090	799	470	715	160	45	550	5,2	12,2
HF 200	3	HF 51140	2160	1270	772	198	70	620	16,7	30,4
HF 240	3	HF 75140	2760	1620	1010	198	70	780	19,8	34,9

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 H

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

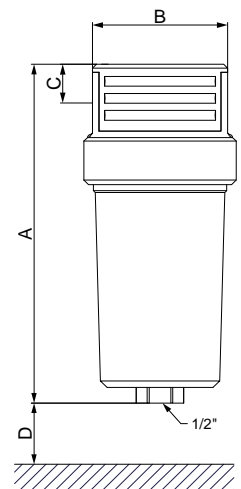
HF 047 - HF 070

Category 2, Module H

HF 094 - HF 240

Category 3, Module H

⁽³⁾ 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

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.

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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