

# HF SERIES

## CAST ALUMINIUM HIGH PRESSURE FILTERS

operating pressure	<b>50 bar</b>
volume flow rate	<b>71 to 2760 Nm<sup>3</sup>/h</b>
connections	<b>1/2" to 3"</b>
operating temp. range	<b>1,5 to 65 °C</b>
standard colour	<b>RAL 7040</b>

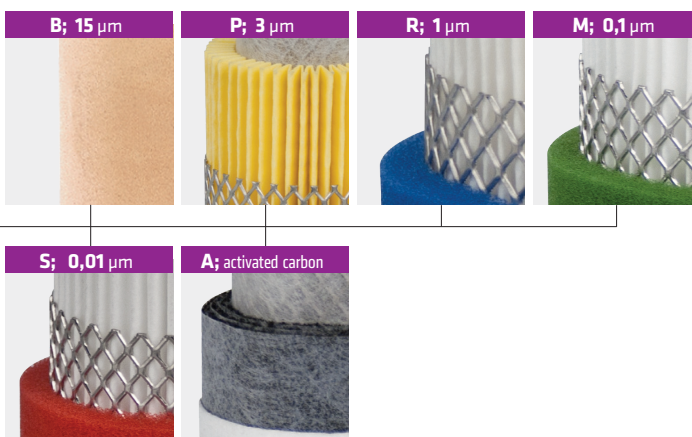
### APPLICATIONS

- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- PET
- paint

### DESCRIPTION

HF filter housings have been developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air<sup>(1)</sup> systems. To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A) must be installed into filter housing.

<sup>(1)</sup> For any other technical gas please contact producer or your local distributor.





TECHNICAL DATA										FILTER ELEMENTS						
Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass	B	P	R	M	S	A	
	inch		bar/psi	Nm³/h	scfm	A	B	C		D	sintered 15 µm	prefilter 3 µm	prefilter 1 µm	microfilter 0,1 µm	microfilter 0,01 µm	activated carbon
HF 007	1/2"	50/725	71	42	250	110	30	80	2,1	HF 6060 B	HF 6060 P	HF 6060 R	HF 6060 M	HF 6060 S	HF 6060 A	
HF 010	3/4"	50/725	112	66	250	110	30	90	2,1	HF 7060 B	HF 7060 P	HF 7060 R	HF 7060 M	HF 7060 S	HF 7060 A	
HF 018	1"	50/725	204	120	250	110	30	140	2,1	HF 12060 B	HF 12060 P	HF 12060 R	HF 12060 M	HF 12060 S	HF 12060 A	
HF 047	1 1/2"	50/725	282	166	535	160	45	260	9,5	HF 22090 B	HF 22090 P	HF 22090 R	HF 22090 M	HF 22090 S	HF 22090 A	
HF 070	1 1/2"	50/725	400	235	535	160	45	360	9,5	HF 32090 B	HF 32090 P	HF 32090 R	HF 32090 M	HF 32090 S	HF 32090 A	
HF 094	2"	50/725	494	291	715	160	45	540	12,2	HF 50090 B	HF 50090 P	HF 50090 R	HF 50090 M	HF 50090 S	HF 50090 A	
HF 150	2"	50/725	799	470	715	160	45	550	12,2	HF 51090 B	HF 51090 P	HF 51090 R	HF 51090 M	HF 51090 S	HF 51090 A	
HF 200	3"	50/725	2160	1270	862	198	70	620	30,4	HF 51140 B	HF 51140 P	HF 51140 R	HF 51140 M	HF 51140 S	HF 51140 A	
HF 240	3"	50/725	2760	1620	1010	198	70	780	34,9	HF 75140 B	HF 75140 P	HF 75140 R	HF 75140 M	HF 75140 S	HF 75140 A	
										quality class - solids (ISO 8573-1)	7	6	3	2	1	1 <sup>3)</sup>
										residual oil content [mg/m³]	-	-	-	<0,1	<0,01	<0,005
										quality class - oils (ISO 8573-1)	-	-	-	2	1	1
										pressure drop - new element [mbar / psi]	20 / 0,29	10 / 0,145	20 / 0,29	50 / 0,725	80 / 1,16	60 / 0,87
										change filter cartridge at pressure drop [mbar / psi]	<sup>1)</sup>	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 months <sup>2)</sup>
										filter media	sintered brass	acrylic fibres, cellulose	borosilicate micro fibres			activated carbon
										pleated version	-	✓	✓	✓	✓	-
										wrapped version	-	-	-	-	-	✓
										sintered version	✓	-	-	-	-	-
										min. operating temperature (°C / °F)	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35
max. operating temperature (°C / °F)	65 / 149	65 / 149	65 / 149	65 / 149	65 / 149	45 / 113										

CORRECTION FACTORS										
Operating pressure [bar]	3	5	7	10	13	16	20	30	40	50
Operating pressure [psi]	44	72	100	145	189	232	290	435	580	725
Correction factor	0,50	0,75	1	1,38	1,75	2,13	2,63	3,88	5,13	6,38

<sup>1)</sup> B filter element can be cleaned with ultrasonic bath or with back flushing. Intervals of cleaning depends of application. If necessary replace filter element with new one.  
<sup>2)</sup> Filter elements "A," must be changed periodically to suit application, but at least every 6 months. Activated carbon filters must not operate in oil saturated conditions.  
<sup>3)</sup> Valid if "S" filter cartridge is installed upstream.