

**50 bar**

operating pressure

71 to 2760 Nm³/h

volume flow rate

1/2" to 3"

connections

1,5 to 65°C

operating temperature range

RAL 5012

standard colour

RAL 7040

optional colour

DESCRIPTION

HF filters are designed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air systems.

To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A) must be installed into filter housing.

For any other technical gas please contact producer or your local distributor.

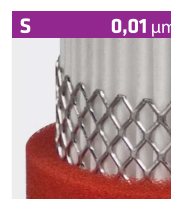
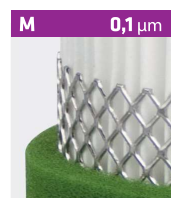
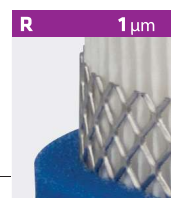
Optional external condensate drains should be used for efficient condensate draining from filter housing.

APPLICATIONS

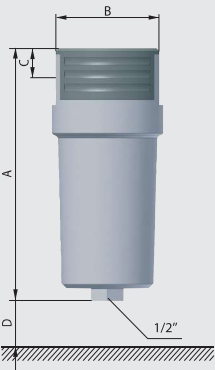
- General industrial applications
- Automotive
- Electronics
- Food and beverage
- Chemical
- Petrochemical
- PET
- Paint

HF SERIES

CAST ALUMINIUM HIGH PRESSURE FILTERS





TECHNICAL DATA										FILTER ELEMENTS															
Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass	B sintered 15 µm	P prefilter 3 µm	R prefilter 1 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A activated carbon										
	inch	bar/psi	Nm³/h	scfm	A	B	C	D	kg																
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 ³⁾						
										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]				1)		350 / 5,07		350 / 5,07		350 / 5,07		350 / 5,07		6 months ²⁾	
										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					

¹⁾ 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.

²⁾ 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.

³⁾ Valid if "S" filter cartridge is installed upstream.