



**25 bar**  
operating pressure

**1.680 to 31.400 Nm<sup>3</sup>/h**  
volume flow rate

**DN80 to DN300**  
connections

**1,5 to 65 °C**  
operating temperature range

**RAL 5012**  
standard colour

## DESCRIPTION

BF HP filters are designed for protection of the downstream compressed air system and equipment against defects and other failures in high pressure applications. Due to their robust welded carbon steel construction, are used for installation in heavy industrial applications with high air flows.

They ensure high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 25 bar. For any other technical gas please contact producer or your local distributor.

Required compressed air quality according to standard ISO 8571-1 can be achieved with 6 different grades of filter elements (B, P, R, M, S and A).

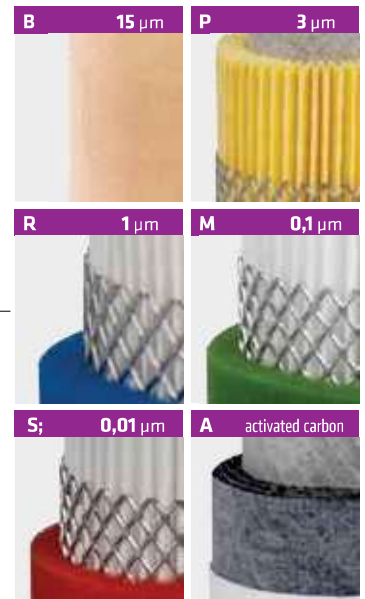
Optional external condensate drains should be used for efficient condensate draining from filter housing. Fluid group 1 on request.

## APPLICATIONS

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

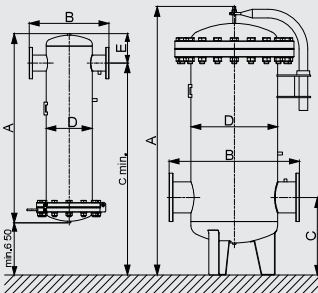
# BF HP SERIES

## HIGH PRESSURE WELDED CARBON STEEL COMPRESSED AIR FILTERS





TECHNICAL DATA										FILTER ELEMENTS					
Filter housing size	Pipe size	Max.oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]					B	P	R	M	S	A
	DN		bar/psi	Nm <sup>3</sup> /h	scfm	A	B	C	D	E	sintered 15 µm	prefilter 3 µm	prefilter 1 µm	microfilter 0,1 µm	microfilter 0,01 µm
<b>BF HP 0240</b>	80	25/362	1.680	989	1170	450	1660	219	166	1×76090 B15	1×76090 P	1×76090 R	1×76090 M	1×76090 S	1×76090 A
<b>BF HP 0300</b>	100	25/362	3.150	1.853	1330	560	1780	324	208	2×76090 B15	2×76090 P	2×76090 R	2×76090 M	2×76090 S	2×76090 A
<b>BF HP 0450</b>	125	25/362	4.700	2.765	1330	560	1780	324	206	3×76090 B15	3×76090 P	3×76090 R	3×76090 M	3×76090 S	3×76090 A
<b>BF HP 0600</b>	150	25/362	6.300	3.706	1360	620	1780	368	241	4×76090 B15	4×76090 P	4×76090 R	4×76090 M	4×76090 S	4×76090 A
<b>BF HP 0900</b>	150	25/362	9.400	5.530	1420	680	1810	405	261	6×76090 B15	6×76090 P	6×76090 R	6×76090 M	6×76090 S	6×76090 A
<b>BF HP 1200</b>	200	25/362	12.550	7.382	1850	792	525	508	-	8×76090 B15	8×76090 P	8×76090 R	8×76090 M	8×76090 S	8×76090 A
<b>BF HP 1500</b>	200	25/362	15.700	9.235	1890	918	545	610	-	10×76090 B15	10×76090 P	10×76090 R	10×76090 M	10×76090 S	10×76090 A
<b>BF HP 1800</b>	250	25/362	18.850	11.088	1920	655	555	610	-	12×76090 B15	12×76090 P	12×76090 R	12×76090 M	12×76090 S	12×76090 A
<b>BF HP 2500</b>	250	25/362	25.100	14.765	2030	1042	685	711	-	16×76090 B15	16×76090 P	16×76090 R	16×76090 M	16×76090 S	16×76090 A
<b>BF HP 3000</b>	300	25/362	31.400	18.481	2130	1085	680	711	-	20×76090 B15	20×76090 P	20×76090 R	20×76090 M	20×76090 S	20×76090 A
BF HP 0240 BF HP 0300 BF HP 0450 BF HP 0600 BF HP 0900		BF HP 1200 BF HP 1500 BF HP 1800 BF HP 2500 BF HP 3000		quality class - solids (ISO 8573-1)						7	6	3	2	1	1 <sup>3)</sup>
				residual oil content [mg/m <sup>3</sup> ]						-	-	-	<0,1	<0,01	<0,005
				quality class - oils (ISO 8573-1)						-	-	-	2	1	1
				pressure drop - new element [mbar / psi]						20 / 0,290	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870
				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]	2	3	4	5	6	7	8	9	10	12	14	15	18	20	22	25
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	174	203	218	261	290	319	363
Correction factor	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,63	1,88	2,00	2,37	2,63	2,89	3,25

<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.  
 Models BF HP 0240 to BF HP 0900 can be produced with optional integrated support legs, which should be noticed at order.