

BF SERIES WELDED CARBON STEEL COMPRESSED AIR FILTERS

operating pressure	16 bar
volume flow rate	1680 to 31400 Nm³/h
connections	3/8" to 3"
operating temp. range	1,5 to 65 °C
standard colour	RAL 5012

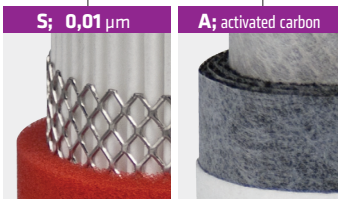
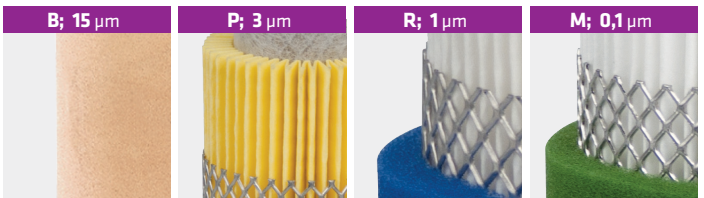
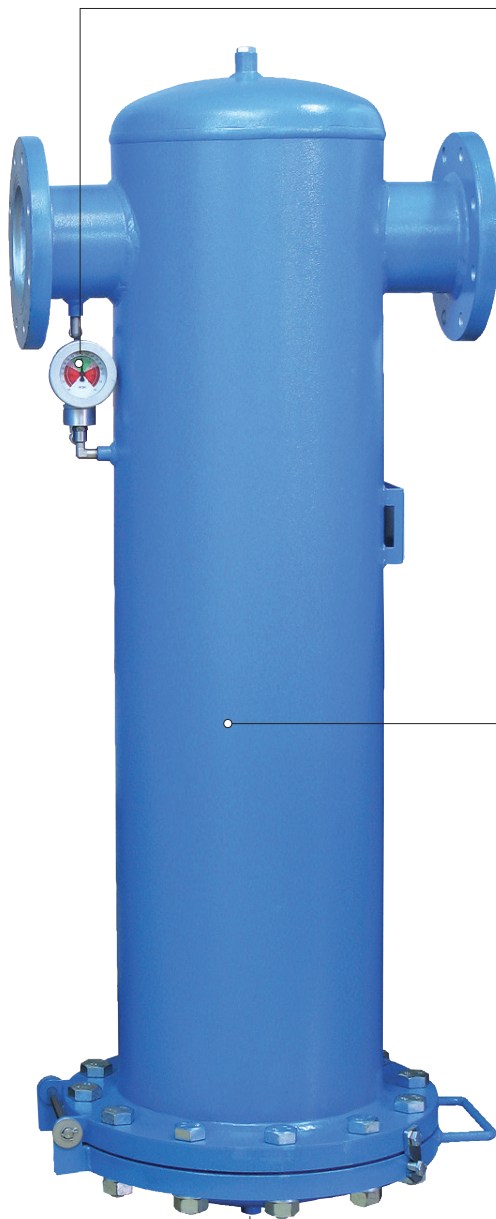
APPLICATIONS

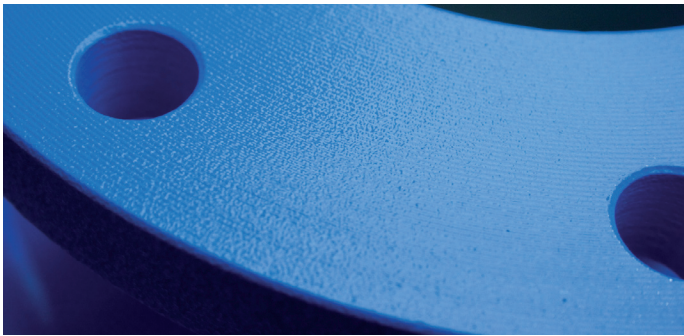
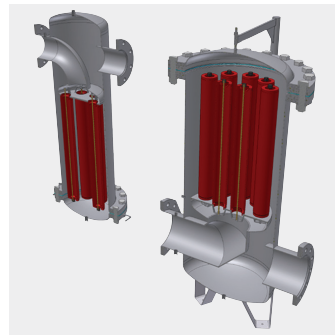
- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- plastics
- paint

DESCRIPTION

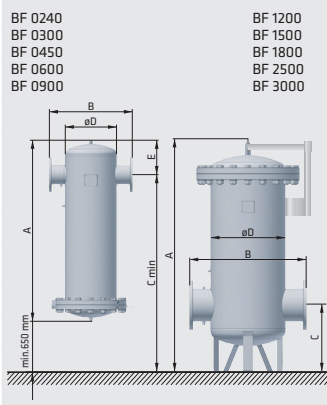
BF welded filter housings have been developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and odour vapours from large compressed air⁽¹⁾ systems. To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A,) must be installed into filter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

⁽¹⁾ 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	
			DN	bar/psi	Nm³/h	scfm	A	B	C		D	E	sintered 15 µm	prefilter 3 µm	prefilter 1 µm	microfilter 0,1 µm	microfilter 0,01 µm
BF 0240	80	16/232	1.680	989	1170	450	1645	219	177	61	1×76090 B15	1×76090 P	1×76090 R	1×76090 M	1×76090 S	1×76090 A	
BF 0300	100	16/232	3.150	1.853	1340	560	1780	324	227	115	2×76090 B15	2×76090 P	2×76090 R	2×76090 M	2×76090 S	2×76090 A	
BF 0450	125	16/232	4.700	2.765	1340	560	1780	324	227	123	3×76090 B15	3×76090 P	3×76090 R	3×76090 M	3×76090 S	3×76090 A	
BF 0600	150	16/232	6.300	3.706	1425	620	1810	368	265	178	4×76090 B15	4×76090 P	4×76090 R	4×76090 M	4×76090 S	4×76090 A	
BF 0900	150	16/232	9.400	5.530	1480	680	1850	419	650	218	6×76090 B15	6×76090 P	6×76090 R	6×76090 M	6×76090 S	6×76090 A	
BF 1200	200	16/232	12.550	7.382	1835	792	510	508	-	320	8×76090 B15	8×76090 P	8×76090 R	8×76090 M	8×76090 S	8×76090 A	
BF 1500	200	16/232	15.700	9.235	1880	918	535	610	-	455	10×76090 B15	10×76090 P	10×76090 R	10×76090 M	10×76090 S	10×76090 A	
BF 1800	250	16/232	18.850	11.088	1950	955	555	610	-	500	12×76090 B15	12×76090 P	12×76090 R	12×76090 M	12×76090 S	12×76090 A	
BF 2500	250	16/232	25.100	14.765	2060	1042	645	711	-	590	16×76090 B15	16×76090 P	16×76090 R	16×76090 M	16×76090 S	16×76090 A	
BF 3000	300	16/232	31.400	18.481	2130	1085	680	711	-	684	20×76090 B15	20×76090 P	20×76090 R	20×76090 M	20×76090 S	20×76090 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 / 0,290	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870
											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]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13	

¹⁾ B filter element can be cleared 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.