

# AF SERIES

## ALUMINIUM COMPRESSED AIR FILTERS

**16 bar**  
operating pressure

**60 to 2.760 Nm<sup>3</sup>/h**  
volume flow rate

**3/8" to 3"**  
connections

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

**RAL 5012**  
standard colour

### DESCRIPTION

AF filters are designed for protection of the downstream compressed air system and equipment against defects and other failures.

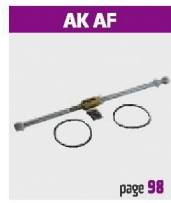
They ensure high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 16 bar. For any other technical gas please contact producer or your local distributor.

Required compressed air quality according to standard ISO 8571-1 can be achieved with 9 different grades of filter elements (B, P, R, M, S, A, A<sup>2</sup>, H<sup>2</sup> and MS<sup>2</sup>).

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

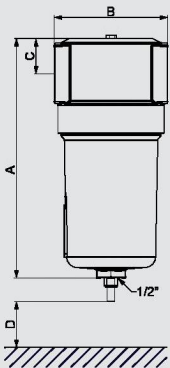
### APPLICATIONS

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





TECHNICAL DATA										FILTER ELEMENTS									
Filter housing size	Pipe size	Max. oper. press.	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass	B	P	R	M	S	A	A <sup>4)</sup>	H <sup>4)</sup>	MS <sup>4)</sup>	
	inch		[bar/psi]	Nm <sup>3</sup> /h	scfm	A	B	C		D	kg	sintered 15 µm	prefilter 3 µm	prefilter 1 µm	microfilter 0,1 µm	microfilter 0,01 µm	activated carbon	adsorption (act. carbon)	catalyst (hopcalite)
AF 0056	3/8"	16/232	60	35	192	88	25	60	0,6	06050 B15	06050 P	06050 R	06050 M	06050 S	06050 A	-	-	-	
AF 0076	1/2"	16/232	78	46	192	88	25	60	0,6	07050 B15	07050 P	07050 R	07050 M	07050 S	07050 A	07050 A <sup>2)</sup>	07050 H <sup>2)</sup>	07050 MS <sup>2)</sup>	
AF 0106	3/4"	16/232	120	70	262	88	25	80	0,7	14050 B15	14050 P	14050 R	14050 M	14050 S	14050 A	14050 A <sup>2)</sup>	14050 H <sup>2)</sup>	14050 MS <sup>2)</sup>	
AF 0186	1"	16/232	198	116	264	125	39	100	1,2	12075 B15	12075 P	12075 R	12075 M	12075 S	12075 A	12075 A <sup>2)</sup>	12075 H <sup>2)</sup>	12075 MS <sup>2)</sup>	
AF 0306	1"	16/232	335	197	364	125	39	120	1,6	22075 B15	22075 P	22075 R	22075 M	22075 S	22075 A	22075 A <sup>2)</sup>	22075 H <sup>2)</sup>	22075 MS <sup>2)</sup>	
AF 0476	1 1/2"	16/232	510	300	464	125	39	140	1,9	32075 B15	32075 P	32075 R	32075 M	32075 S	32075 A	32075 A <sup>2)</sup>	32075 H <sup>2)</sup>	32075 MS <sup>2)</sup>	
AF 0706	1 1/2"	16/232	780	459	644	125	39	160	2,6	50075 B15	50075 P	50075 R	50075 M	50075 S	50075 A	50075 A <sup>2)</sup>	50075 H <sup>2)</sup>	50075 MS <sup>2)</sup>	
AF 0946	2"	16/232	1000	588	696	164	50	520	5,7	51090 B15	51090 P	51090 R	51090 M	51090 S	51090 A	-	-	-	
AF 1506	2"	16/232	1500	882	943	164	50	770	7,6	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-	
AF 1756	2 1/2"	16/232	1680	990	943	164	50	770	7,3	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-	
AF 2006	3"	16/232	2160	1270	801	242	60	630	14,1	51140 B15	51140 P	51140 R	51140 M	51140 S	51140 A	-	-	-	
AF 2406	3"	16/232	2760	1620	998	242	60	780	16,7	75140 B15	75140 P	75140 R	75140 M	75140 S	75140 A	-	-	-	
										quality class - solids (ISO 8573-1)	7	6	3	2	1	1 <sup>3)</sup>	1 <sup>3)</sup>	1 <sup>3)</sup>	1
										residual oil content [mg/m <sup>3</sup> ]	-	-	-	<0,1	<0,01	<0,005	<0,005	-	-
										quality class - oils (ISO 8573-1)	-	-	-	2	1	1	0/1	-	-
										pressure drop - new element [mbar / psi]	20 / 0,290	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870	see spec.	see spec.	< 50 / 0,725
										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>	6 months <sup>2)</sup>	6 months <sup>2)</sup>	
										filter material	sintered brass	acrylic fibres, cellulose		borosilicate micro fibres		borosilicate micro fibres			
															activ. carbon	activ. carbon	hopcalite	molecular sieve	
										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	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	45 / 113	45 / 113	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

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