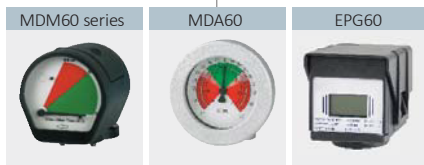


COMPRESSED AIR FILTERS

AF SERIES ALUMINIUM COMPRESSED AIR FILTERS



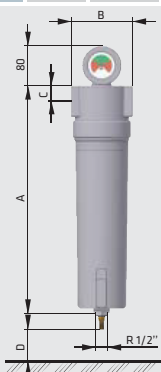
operating pressure	16 bar
volume flow rate	60 to 2760 Nm ³ /h
connections	3/8" to 3"
operating temp. range	1,5 to 65 °C
standard colour	RAL 5012

DESCRIPTION

AF filter housings are designed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air(1) systems. To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A, A2, H2, MS2) must be installed into filter housing.

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

Filter housing size	Pipe size inch	Max. operat. pressure [bar/psi]	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass kg	FILTER ELEMENTS									
			Nm ³ /h	scfm	A	B	C	D		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	A ² adsorption (act.carb.)	H ² catalyst (hopcalite)	MS ² molecular sieve	
AF 0056	3/8"	16/232	60	35	187	88	20	60	0,7	06050 B15	06050 P	06050 R	06050 M	06050 S	06050 A	-	-	-	
AF 0076	1/2"	16/232	78	46	187	88	20	60	0,7	07050 B15	07050 P	07050 R	07050 M	07050 S	07050 A	07050 A ²	07050 H ²	07050 MS ²	
AF 0106	3/4"	16/232	120	70	257	88	20	80	0,8	14050 B15	14050 P	14050 R	14050 M	14050 S	14050 A	14050 A ²	14050 H ²	14050 MS ²	
AF 0186	1"	16/232	198	116	263	125	32	100	1,8	12075 B15	12075 P	12075 R	12075 M	12075 S	12075 A	12075 A ²	12075 H ²	12075 MS ²	
AF 0306	1"	16/232	335	197	363	125	32	120	2,5	22075 B15	22075 P	22075 R	22075 M	22075 S	22075 A	22075 A ²	22075 H ²	22075 MS ²	
AF 0476	1 1/2"	16/232	510	300	461	125	32	140	2,5	32075 B15	32075 P	32075 R	32075 M	32075 S	32075 A	32075 A ²	32075 H ²	32075 MS ²	
AF 0706	1 1/2"	16/232	780	459	640	125	32	160	3,2	50075 B15	50075 P	50075 R	50075 M	50075 S	50075 A	50075 A ²	50075 H ²	50075 MS ²	
AF 0946	2"	16/232	1000	588	684	163	43	520	5,1	51090 B15	51090 P	51090 R	51090 M	51090 S	51090 A	-	-	-	
AF 1506	2"	16/232	1500	882	935	163	43	770	7,1	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-	
AF 1756	2 1/2"	16/232	1680	990	935	163	43	770	6,9	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-	-	
AF 2006	3	16/232	2160	1270	795	240	59	630	12,9	51140 B15	51140 P	51140 R	51140 M	51140 S	51140 A	-	-	-	
AF 2406	3	16/232	2760	1620	1000	240	59	780	14,0	75140 B15	75140 P	75140 R	75140 M	75140 S	75140 A	-	-	-	



quality class- solids (ISO 8573-1)	7	6	3	2	1	1 ³⁾	1 ³⁾	1 ³⁾	1
residual oil content [mg/m ³]	-	-	-	<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 elem. at press. drop [mbar / psi]	¹⁾	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 months ²⁾	6 months ²⁾	6 months ²⁾	
filter material	sintered brass	acrylic fibres, cellulose	borosilicate micro fibres		borosilicate micro fibres				
			act. carbon	act. carbon	hopcalite	molec. 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

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, A², H²", 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.

⁴⁾ For elements A², H² and MS² it is necessary to reduce the flow according to technical data sheet specification.