AF SERIES

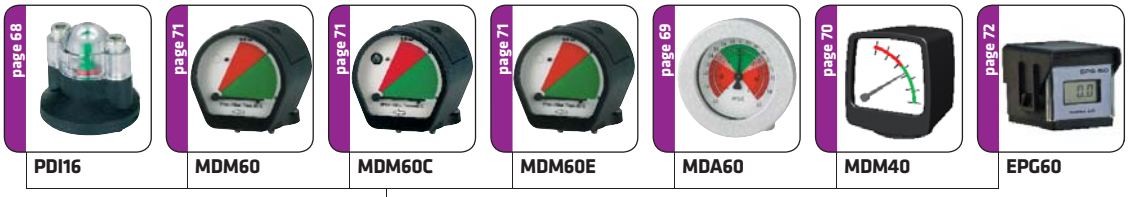
ALUMINIUM COMPRESSED AIR FILTERS

operating pressure	**16** bar
volume flow rate	**60** to **2760** Nm³/h
connections	**3/8**'' to **3**''
operating temp. range	**1,5** to **65**°C
standard colour	**RAL 5012**

APPLICATIONS

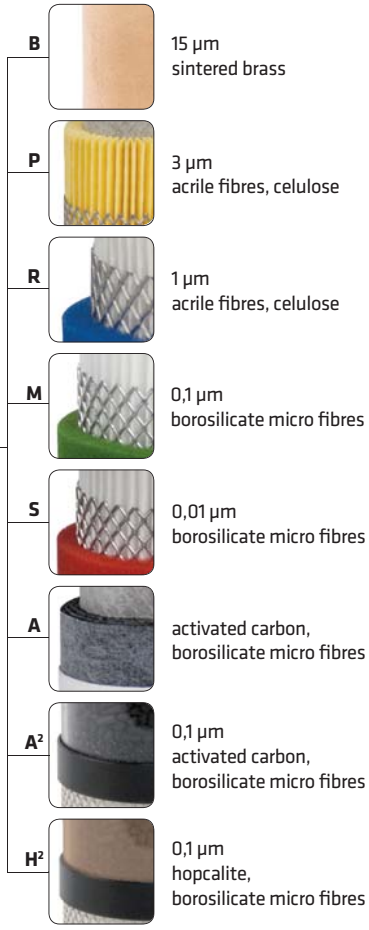
- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- plastics
- paint

PRESSURE DROP INDICATORS





FILTER ELEMENTS



SIGHT GLASS

SG



CONDENSATE DRAINS



DESCRIPTION

AF filter housings have been developed 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) must be installed into filter housing.

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

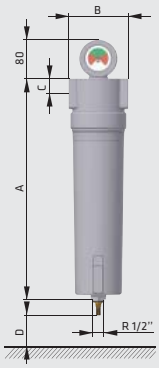






TECHNICAL DATA - AF FILTERS

Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20°C		Dimensions [mm]				Mass
	inch	[bar/psi]	Nm³/h	scfm	A	B	C	D	kg
AF 0056	3/8"	16/232	60	35	187	88	20	60	0,7
AF 0076	1/2"	16/232	78	46	187	88	20	60	0,7
AF 0106	3/4"	16/232	120	70	257	88	20	80	0,8
AF 0186	1"	16/232	198	116	263	125	32	100	1,8
AF 0306	1"	16/232	335	197	363	125	32	120	2,5
AF 0476	1 1/2"	16/232	510	300	461	125	32	140	2,5
AF 0706	1 1/2"	16/232	780	459	640	125	32	160	3,2
AF 0946	2"	16/232	1000	588	684	163	43	520	5,1
AF 1506	2"	16/232	1500	882	935	163	43	770	7,1
AF 1756	2 1/2"	16/232	1680	990	935	163	43	770	6,9
AF 2006	3	16/232	2160	1270	795	240	59	630	12,9
AF 2406	3	16/232	2760	1620	1000	240	59	780	14,0



AF - FILTER ELEMENTS

	B sintered 15 µm	P prefilter 3 µm	R prefilter 1 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A active carbon	A² adsorption (act. carbon)	H² catalyst (hopcalite)
AF 0056	06050 B15	06050 P	06050 R	06050 M	06050 S	06050 A	-	-
AF 0076	07050 B15	07050 P	07050 R	07050 M	07050 S	07050 A	07050 A²	07050 H²
AF 0106	14050 B15	14050 P	14050 R	14050 M	14050 S	14050 A	14050 A²	14050 H²
AF 0186	12075 B15	12075 P	12075 R	12075 M	12075 S	12075 A	12075 A²	12075 H²
AF 0306	22075 B15	22075 P	22075 R	22075 M	22075 S	22075 A	22075 A²	22075 H²
AF 0476	32075 B15	32075 P	32075 R	32075 M	32075 S	32075 A	32075 A²	32075 H²
AF 0706	50075 B15	50075 P	50075 R	50075 M	50075 S	50075 A	50075 A²	50075 H²
AF 0946	51090 B15	51090 P	51090 R	51090 M	51090 S	51090 A	-	-
AF 1506	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-
AF 1756	76090 B15	76090 P	76090 R	76090 M	76090 S	76090 A	-	-
AF 2006	51140 B15	51140 P	51140 R	51140 M	51140 S	51140 A	-	-
AF 2406	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]
residual oil content [mg/m³]	-	-	-	<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.
change filter cartridge at pressure 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		
						activ. carbon	activ. carbon	hopcalite
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
max. operating temperature (°C / °F)	65 / 149	65 / 149	65 / 149	65 / 149	65 / 149	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 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, 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.