



AAF SERIES

ALUMINIUM COMPRESSED AIR FILTERS

16 bar
operating pressure

10 to 780 Nm³/h
volume flow rate

1/8" to 1 1/2"
connections

1,5 to 65°C
operating temperature range

RAL 5012, RAL 7040
standard colour

DESCRIPTION

AAF filters are designed for protection of the downstream compressed air system and equipment with lower air flows against defects and other failures.

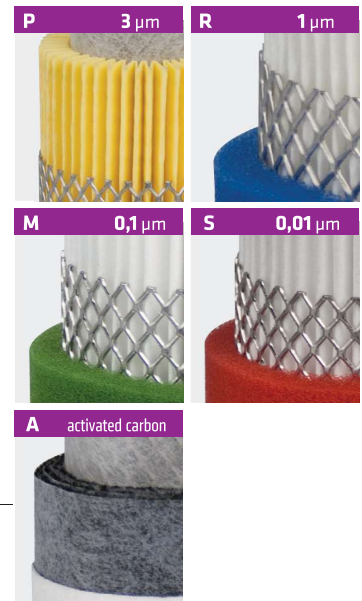
They ensure high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 16 bar. For any other technical gas please contact producer or your local distributor.

Required compressed air quality according to standard ISO 8571-1 can be achieved with 5 different grades of filter elements (P, R, M, S and A).

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

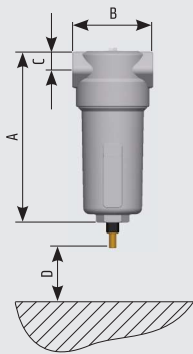
APPLICATIONS

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





TECHNICAL DATA										FILTER ELEMENTS							
Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass	P prefilter 3 µm	R prefilter 1 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A activated carbon	CKL-AAF	AAR pressure regulator	AAL lubricator
	inch	[bar/psi]	Nm³/h	scfm	A	B	C	D	kg								
AAF 0006 ³⁾	1/8"	16/232	10	6	105	55	14	50	0,23	03528 P	03528 R	03528 M	03528 S	03528 A	CKL-AAF 0006	AAR 0006	AAL 0006
AAF 0016 ³⁾	1/4"	16/232	18	11	125	55	14	70	0,24	05528 P	05528 R	05528 M	05528 S	05528 A	CKL-AAF 0016	AAR 0016	AAL 0016
AAF 0026	1/4"	16/232	25	15	145	73	18	50	0,42	03844 P	03844 R	03844 M	03844 S	03844 A	CKL-AAF 0026	AAR 0026	AAL 0026
AAF 0036	3/8"	16/232	30	18	145	73	18	50	0,42	03844 P	03844 R	03844 M	03844 S	03844 A	CKL-AAF 0036	AAR 0036	AAL 0036
AAF 0046	1/4"	16/232	35	22	189	88	32	60	0,72	06050 P	06050 R	06050 M	06050 S	06050 A	CKL-AAF 0046	-	-
AAF 0056	3/8"	16/232	60	35	189	88	32	60	0,71	06050 P	06050 R	06050 M	06050 S	06050 A	CKL-AAF 0056	-	-
AAF 0076	1/2"	16/232	78	46	189	88	32	80	0,70	07050 P	07050 R	07050 M	07050 S	07050 A	CKL-AAF 0076	-	-
AAF 0106	3/4"	16/232	120	70	257	88	32	150	0,78	14050 P	14050 R	14050 M	14050 S	14050 A	CKL-AAF 0106	-	-
AAF 0186	1"	16/232	198	116	261	125	37	160	1,9	12075 P	12075 R	12075 M	12075 S	12075 A	CKL-AAF 0186	-	-
AAF 0306	1"	16/232	335	197	361	125	37	250	2,3	22075 P	22075 R	22075 M	22075 S	22075 A	CKL-AAF 0306	-	-
AAF 0476	1 1/2"	16/232	510	300	461	125	37	350	2,5	32075 P	32075 R	32075 M	32075 S	32075 A	CKL-AAF 0476	-	-
AAF 0706	1 1/2"	16/232	780	459	641	125	37	530	3,2	50075 P	50075 R	50075 M	50075 S	50075 A	CKL-AAF 0706	-	-
										quality class - solids (ISO 8573-1)	6	3	2	1	1 ²⁾	-	-
										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]	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870	-	-
										change filter cartridge at pressure drop [mbar / psi]	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 months ¹⁾	-	-
										filter material	acrylic fibres, cellulose		borosilicate micro fibres		activated carbon	-	-
										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	45 / 113	65 / 149	-



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⁾ 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.

²⁾ Valid if "S" filter cartridge is installed upstream.

³⁾ For size AAF 0006 and 0016 no differential pressure indicator and no internal condensate drain is available, IED not available.