



16 bar
operating pressure

60 to 2.760 Nm³/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, A², H² and MS²).

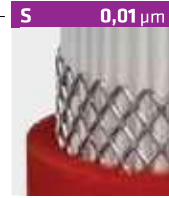
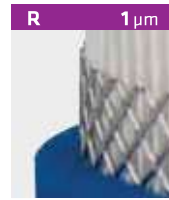
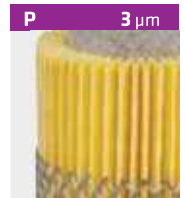
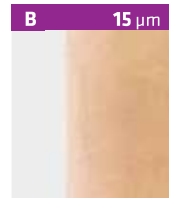
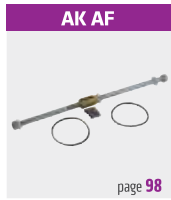
Optional internal and external condensate drains should be used for efficient condensate draining from filter housing.

APPLICATIONS

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

AF SERIES

ALUMINIUM COMPRESSED AIR FILTERS





TECHNICAL DATA										FILTER ELEMENTS									
Filter housing size	Pipe size	Max. oper. press. [bar/psi]	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass kg	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 ⁴⁾ adsorption (act. carbon)	H ⁴⁾ catalyst (hopcalite)	MS ⁴⁾ molecular sieve	
	inch		Nm ³ /h	scfm	A	B	C	D											
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 ²⁾	07050 H ²⁾	07050 MS ²⁾	
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 ²⁾	14050 H ²⁾	14050 MS ²⁾	
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 ²⁾	12075 H ²⁾	12075 MS ²⁾	
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 ²⁾	22075 H ²⁾	22075 MS ²⁾	
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 ²⁾	32075 H ²⁾	32075 MS ²⁾	
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 ²⁾	50075 H ²⁾	50075 MS ²⁾	
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 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 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			
										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.

**10 bar**

operating pressure

60 to 2760 Nm³/h

volume flow rate

3/8" to 3"

connections

1,5 to 120 °C (at 10 barg)**1,5 to 85 °C (at 13 barg)**

operating temperature range

RAL 5012

standard colour

DESCRIPTION

AF HT filter housings have been specifically developed for very high efficient removal of solid particles, water and oil aerosols, from compressed air systems in high temperature applications. To meet the required compressed air quality appropriate filter element must be installed into filter housing.

For any other technical gas please contact us or your local dealer.

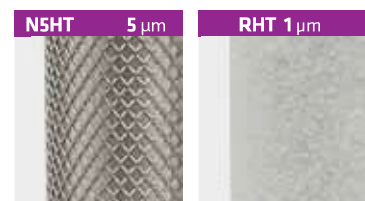
AF HT filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.

APPLICATIONS

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

AF HT SERIES

ALUMINIUM HIGH TEMPERATURE COMPRESSED AIR FILTERS





TECHNICAL DATA										FILTER ELEMENTS						
Filter housing size	Pipe size	Max.oper. press.	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass kg	BHT sintered 15 µm	N25HT prefilter 25 µm	NSHT prefilter 5 µm	RHT prefilter 1 µm	MHT microfilter 0,1 µm	SHT microfilter 0,01 µm	
	inch		[bar/psi]	Nm³/h	scfm	A	B	C		D						
AF 0056 HT	3/8"	10/145	60	35	192	88	25	60	0,6	06050 BHT	06050 N25HT	06050 NSHT	06050 RHT	06050 MHT	06050 SHT	
AF 0076 HT	1/2"	10/145	78	46	192	88	25	60	0,6	07050 BHT	07050 N25HT	07050 NSHT	07050 RHT	07050 MHT	07050 SHT	
AF 0106 HT	3/4"	10/145	120	70	262	88	25	80	0,7	14050 BHT	14050 N25HT	14050 NSHT	14050 RHT	14050 MHT	14050 SHT	
AF 0186 HT	1"	10/145	198	116	264	125	39	100	1,2	12075 BHT	12075 N25HT	12075 NSHT	12075 RHT	12075 MHT	12075 SHT	
AF 0306 HT	1"	10/145	335	197	364	125	39	120	1,6	22075 BHT	22075 N25HT	22075 NSHT	22075 RHT	22075 MHT	22075 SHT	
AF 0476 HT	1 1/2"	10/145	510	300	464	125	39	140	1,9	32075 BHT	32075 N25HT	32075 NSHT	32075 RHT	32075 MHT	32075 SHT	
AF 0706 HT	1 1/2"	10/145	780	459	644	125	39	160	2,6	50075 BHT	50075 N25HT	50075 NSHT	50075 RHT	50075 MHT	50075 SHT	
AF 0946 HT	2"	10/145	1000	588	695	164	50	520	5,7	51090 BHT	51090 N25HT	51090 NSHT	51090 RHT	51090 MHT	51090 SHT	
AF 1506 HT	2"	10/145	1500	882	942	164	50	770	7,6	76090 BHT	76090 N25HT	76090 NSHT	76090 RHT	76090 MHT	76090 SHT	
AF 1756 HT	2 1/2"	10/145	1680	990	942	164	50	770	7,3	76090 BHT	76090 N25HT	76090 NSHT	76090 RHT	76090 MHT	76090 SHT	
AF 2006 HT	3"	10/145	2160	1270	801	242	60	630	14,1	51140 BHT	51140 N25HT	51140 NSHT	51140 RHT	51140 MHT	51140 SHT	
AF 2406 HT	3"	10/145	2760	1620	1000	242	60	780	16,7	75140 BHT	75140 N25HT	75140 NSHT	75140 RHT	75140 MHT	75140 SHT	
										quality class - solids (ISO 8573-1)	7	6	-	3	1	1
										residual oil content [mg/m³]	-	-	-	-	<0,01	<0,01
										quality class - oils (ISO 8573-1)	-	-	-	-	1	1
										pressure drop - new element [mbar / psi]	20 / 0,290	10 / 0,145	10 / 0,145	20 / 0,290	80 / 1,160	80 / 1,160
										change filter cartridge at pressure drop [mbar / psi]	1)	350 / 5,07	-	350 / 5,07	350 / 5,07	350 / 5,07
										filter material	sintered brass	stainless steel mesh 1,4301	stainless steel mesh 1,4301	borosilicate micro fibres		
										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)	120-248	120-248	120-248	120-248	120-248	120-248										

CORRECTION FACTORS									
Operating pressure [bar]	2	3	4	5	6	7	8	9	10
Operating pressure [psi]	29	44	58	72	87	100	115	130	145
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38

Replace filter element at least every 12 months or follow the instructions for specific filter element. Change the sealing when you disassemble filter housing. Once per year make a visual check of filter housing and make sure there is no visual damage.