AF HT SERIES

ALUMINIUM HIGH TEMPERATURE COMPRESSED AIR FILTERS

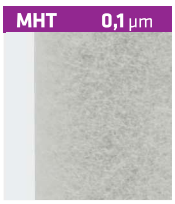
16 bar
operating pressure

60 to 2760 Nm³/h
volume flow rate

3/8" to 3"
connections

1,5 to 120°C
operating temperature range

RAL 5012
standard colour



DESCRIPTION

AF HT filter housings are designed for very high efficient removal of solid particles, water and oil aerosols, from compressed air systems in **high temperature applications**.

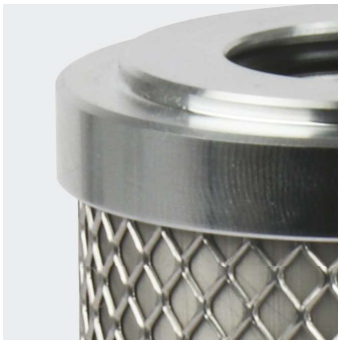
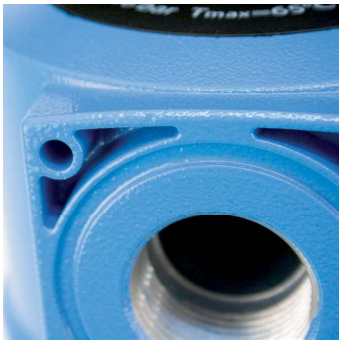
To meet the required compressed air quality, appropriate filter element (BHT, N25HT, N5HT, RHT, MHT, SHT) must be installed into filter housing.

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

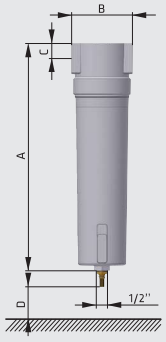
APPLICATIONS

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



TECHNICAL DATA										FILTER ELEMENTS					
Filter housing size	Pipe size	Max.oper. press.	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]				Mass	**BHT** sintered 15 µm	**N25HT** prefilter 25 µm	**N5HT** prefilter 5 µm	**RHT** prefilter 1 µm	**MHT** microfilter 0,01 µm	**SHT** activated carbon
	inch	[bar/psi]	Nm³/h	scfm	A	B	C	D	kg						
AF HT 0056	3/8"	16/232	60	35	187	88	20	60	0,7	06050 BHT	06050 N25HT	06050 N5HT	06050 RHT	06050 MHT	06050 SHT
AF HT 0076	1/2"	16/232	78	46	187	88	20	60	0,7	07050 BHT	07050 N25HT	07050 N5HT	07050 RHT	07050 MHT	07050 SHT
AF HT 0106	3/4"	16/232	120	70	257	88	20	80	0,8	14050 BHT	14050 N25HT	14050 N5HT	14050 RHT	14050 MHT	14050 SHT
AF HT 0186	1"	16/232	198	116	263	125	32	100	1,8	12075 BHT	12075 N25HT	12075 N5HT	12075 RHT	12075 MHT	12075 SHT
AF HT 0306	1"	16/232	335	197	363	125	32	120	2,5	22075 BHT	22075 N25HT	22075 N5HT	22075 RHT	22075 MHT	22075 SHT
AF HT 0476	1 1/2"	16/232	510	300	461	125	32	140	2,5	32075 BHT	32075 N25HT	32075 N5HT	32075 RHT	32075 MHT	32075 SHT
AF HT 0706	1 1/2"	16/232	780	459	640	125	32	160	3,2	50075 BHT	50075 N25HT	50075 N5HT	50075 RHT	50075 MHT	50075 SHT
AF HT 0946	2"	16/232	1000	588	684	163	43	520	5,1	51090 BHT	51090 N25HT	51090 N5HT	51090 RHT	51090 MHT	51090 SHT
AF HT 1506	2"	16/232	1500	882	935	163	43	770	7,1	76090 BHT	76090 N25HT	76090 N5HT	76090 RHT	76090 MHT	76090 SHT
AF HT 1756	2 1/2"	16/232	1680	990	935	163	43	770	6,9	76090 BHT	76090 N25HT	76090 N5HT	76090 RHT	76090 MHT	76090 SHT
AF HT 2006	3"	16/232	2160	1270	795	240	59	630	12,9	51140 BHT	51140 N25HT	51140 N5HT	51140 RHT	51140 MHT	51140 XSHT
AF HT 2406	3"	16/232	2760	1620	1000	240	59	780	14,0	75140 BHT	75140 N25HT	75140 N5HT	75140 XRHT	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	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

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.