

AHP SERIES

ALUMINIUM HIGH PRESSURE FILTERS

operating pressure	64 bar
volume flow rate	30 to 720 Nm³/h
connections	3/8" to 2"
operating temp. range	1,5 to 65 °C
surface protection	anodisation

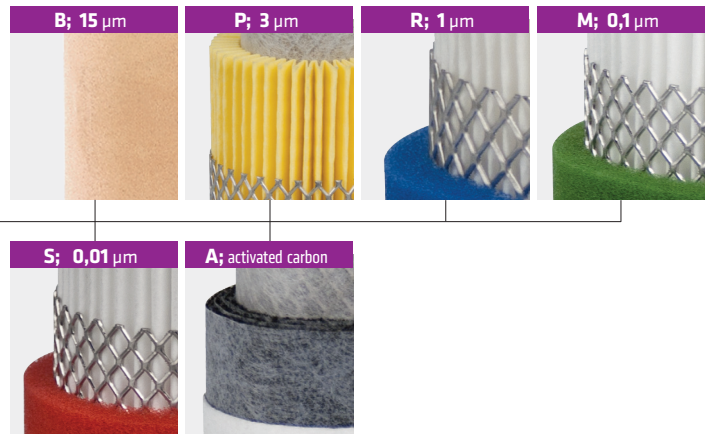
APPLICATIONS

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

DESCRIPTION

AHP aluminium high pressure filters are designeg for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air⁽¹⁾ systems. To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A) must be installed into filter housing.

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





TECHNICAL DATA									FILTER ELEMENTS						
Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]			Mass	B	P	R	M	S	A	
	inch		bar/psi	Nm³/h	scfm	A	B		C	kg	sintered 15 µm	prefilter 3 µm	prefilter 1 µm	microfilter 0,1 µm	microfilter 0,01 µm
AHP 005	3/8"	64/928	30	17,6	167	104	90	2,25	AHP 6050 B	AHP 6050 P	AHP 6050 R	AHP 6050 M	AHP 6050 S	AHP 6050 A	
AHP 007	1/2"	64/928	60	35,3	167	104	90	2,25	AHP 7050 B	AHP 7050 P	AHP 7050 R	AHP 7050 M	AHP 7050 S	AHP 7050 A	
AHP 010	3/4"	64/928	120	70,6	232	104	90	2,84	AHP 14050 B	AHP 14050 P	AHP 14050 R	AHP 14050 M	AHP 14050 S	AHP 14050 A	
AHP 018	1"	64/928	180	106	258	150	120	6,45	AHP 12075 B	AHP 12075 P	AHP 12075 R	AHP 12075 M	AHP 12075 S	AHP 12075 A	
AHP 030	1 1/4"	64/928	270	159	358	150	120	7,8	AHP 22075 B	AHP 22075 P	AHP 22075 R	AHP 22075 M	AHP 22075 S	AHP 22075 A	
AHP 047	1 1/2"	64/928	360	212	458	150	120	9,17	AHP 32075 B	AHP 32075 P	AHP 32075 R	AHP 32075 M	AHP 32075 S	AHP 32075 A	
AHP 094	2"	64/928	720	423	665	170	120	16,5	AHP 51090 B	AHP 51090 P	AHP 51090 R	AHP 51090 M	AHP 51090 S	AHP 51090 A	
									quality class - solids (ISO 8573-1)	7	6	3	2	1	1 ³⁾
									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]	20 / 0,29	10 / 0,145	20 / 0,29	50 / 0,725	80 / 1,16	60 / 0,87
									change filter cartridge at pressure drop [mbar / psi]	¹⁾	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 months ²⁾
									filter media	sintered brass	acrylic fibres, cellulose	borosilicate micro fibres			activated carbon
									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)	65 / 149	65 / 149	65 / 149	65 / 149	65 / 149	45 / 113									

CORRECTION FACTORS												
Operating pressure [bar]	3	5	7	10	13	16	20	30	40	50	60	64
Operating pressure [psi]	44	72	100	145	189	232	290	435	580	725	870	928
Correction factor	0,50	0,75	1	1,38	1,75	2,13	2,63	3,88	5,13	6,38	7,63	8,13

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", 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.