

FILTER ELEMENT – A

Series: AF and AAF Series
(Adsorption – Activated Carbon)



DESCRIPTION

A grade filter elements have been developed for high efficient removal of oil, hydrocarbons, vapours and odours from compressed air⁽¹⁾. It is essential that coalescing filter element is installed as pre-filter to A grade filter.

⁽¹⁾For any other technical gas please contact us or your local dealer

FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles class	Water class	Oil class
1*	/	0/1

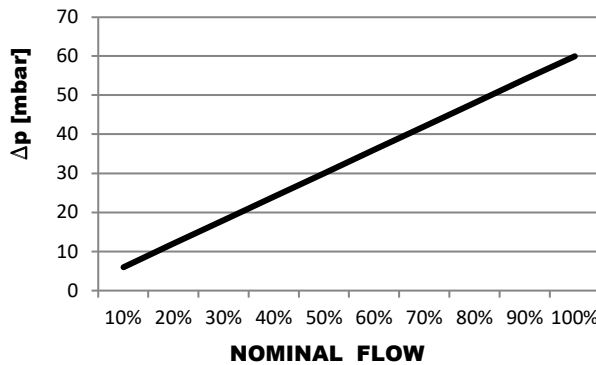
Validated according to ISO12500-2

* Valid if "S" filter cartridge is installed upstream

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C / 35 - 113 °F
Operating pressure	0 - 16 barg / 0 - 232 psi
Differential pressure (dry)	60 mbar / 0,870 psi
Differential pressure (wet)	/
Particle retention (nominal)	/
Particle retention rate ISO ⁽³⁾	/
Residual oil content ⁽⁴⁾	< 0,005mg/m ³
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) ⁽⁵⁾	20 min

⁽⁵⁾Tested according to ISO12500-2, 06050 A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation



MATERIALS

Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	/
Adsorption media	Activated carbon granulate
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers or aluminium
Sealing	NBR

SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm ³ /h]	Flow Capacity [scfm]	Fits into filter housing
03528 A	28	35	10	6	AAF 0006
05528 A	28	55	18	11	AAF 0016
03844 A	44	38	25	15	AAF 0026
03844 A	44	38	30	18	AAF 0036
06050 A	51	60	35	22	AAF 0046
06050 A	51	60	60	35	AF & AAF 0056
07050 A	51	70	78	46	AF & AAF 0076
14050 A	51	140	120	70	AF & AAF 0106
12075 A	75	125	198	116	AF & AAF 0186
22075 A	75	225	335	197	AF & AAF 0306
32075 A	75	325	510	300	AF & AAF 0476
50075 A	75	505	780	459	AF & AAF 0706
51090 A	90	510	1000	588	AF 0946
76090 A	90	760	1500	882	AF 1506
76090 A	90	760	1680	990	AF 1756
51140 A	140	510	2160	1270	AF 2006
75140 A	140	750	2760	1620	AF 2406

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s). CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}


OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C _{OP}	0,38	0,5	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

MAINTENANCE

Replace filter element at least every 6 months.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	<p>Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015</p>	
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