FILTER ELEMENT – P

Series: AF and AAF Series

(Pre-Filter – Particulate)

DESCRIPTION

P grade filter elements have been specifically developed for efficient removal of coarse solid particles and bulk liquids from compressed air[(1)]. This type of filter is generally used as pre-filter for coalescing filter.

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

FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

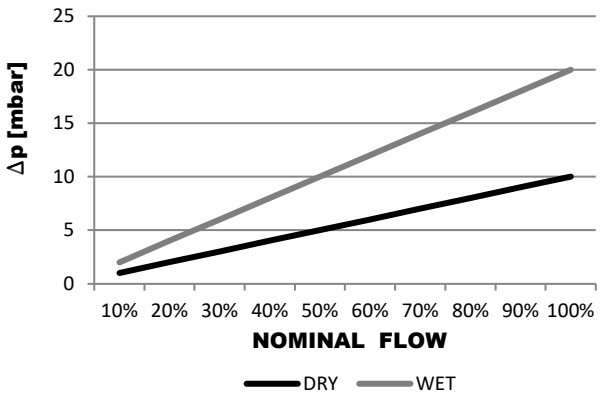
Solid particles class	Water class	Oil class
6	/	/

Validated according to ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 16 barg / 0 - 232 psi
Differential pressure (dry)	10 mbar / 0,145 psi
Differential pressure (wet)	20 mbar / 0,290 psi
Particle retention (nominal)	99,99% (3 µm)
Particle retention rate ISO[(3)]	95 %
Residual oil content[(4)]	/
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2)[(5)]	/

[(3)]Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 P, Most penetrating particle size MPPS 5μm



MATERIALS

Filter media	Acrylic fibers, cellulose
Protection media	Polyester fleece
Drainage media	/
Adsorption media	/
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers or aluminium
Sealing	NBR

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SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm^3/h]	Flow Capacity [scfm]	Fits into filter housing
03528 P	28	35	10	6	AAF 0006
05528 P	28	55	18	11	AAF 0016
03844 P	44	38	25	15	AAF 0026
03844 P	44	38	30	18	AAF 0036
06050 P	51	60	35	22	AAF 0046
06050 P	51	60	60	35	AF & AAF 0056
07050 P	51	70	78	46	AF & AAF 0076
14050 P	51	140	120	70	AF & AAF 0106
12075 P	75	125	198	116	AF & AAF 0186
22075 P	75	225	335	197	AF & AAF 0306
32075 P	75	325	510	300	AF & AAF 0476
50075 P	75	505	780	459	AF & AAF 0706
51090 P	90	510	1000	588	AF 0946
76090 P	90	760	1500	882	AF 1506
76090 P	90	760	1680	990	AF 1756
51140 P	140	510	2160	1270	AF 2006
75140 P	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 once per year or when pressure drop reaches 350mbar.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

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

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