FILTER ELEMENT – BF-A

Series: BF 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

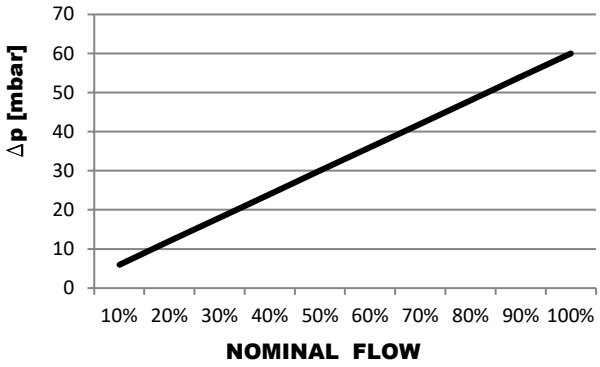
Validated according to ISO12500-2

* 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	/
Residual oil content	< 0,005mg/m^3
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2)[(2)]	20 min

[(2)]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	Aluminium
Sealing	NBR

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SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm^3/h]	Flow Capacity [scfm]	Activated Carbon [g]	Fits into filter housing
1 x 76090 A	90	760	1680	989	227	BF 0240
2 x 76090 A	90	760	3150	1853	227	BF 0300
3 x 76090 A	90	760	4700	2765	227	BF 0450
4 x 76090 A	90	760	6300	3706	227	BF 0600
6 x 76090 A	90	760	9400	5530	227	BF 0900
8 x 76090 A	90	760	12550	7382	227	BF 1200
10 x 76090 A	90	760	15700	9235	227	BF 1500
12 x 76090 A	90	760	18850	11088	227	BF 1800
16 x 76090 A	90	760	25100	14765	227	BF 2500
20 x 76090 A	90	760	31400	18481	227	BF 3000

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

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

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