



# FILTER ELEMENT – BF-XM

## Series: BF Series

(General purpose filter – Particulate + Coalescing)

### DESCRIPTION

XM grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air<sup>(1)</sup>.

<sup>(1)</sup>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
2	/	2

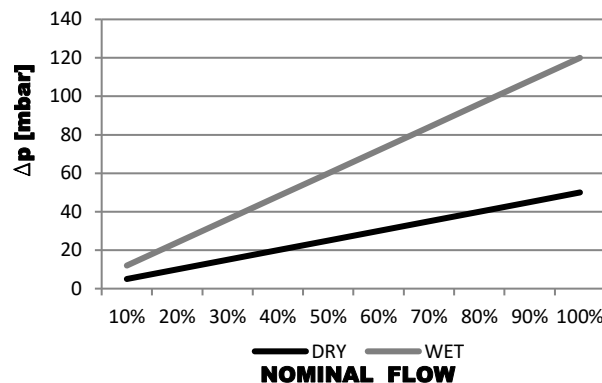
Validated according to ISO12500-1 and ISO12500-3

### TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 16 barg / 0 - 232 psi
Differential pressure (dry)	50 mbar / 0,725 psi
Differential pressure (wet)	120 mbar / 1,740 psi
Particle retention (nominal)	99,999% (0,1 µm)
Particle retention rate ISO <sup>(3)</sup>	99,98 %
Residual oil content <sup>(4)</sup>	< 0,1 mg/m <sup>3</sup>
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) <sup>(5)</sup>	/

<sup>(3)</sup>Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 M, Most penetrating particle size MPPS 0,3µm

<sup>(4)</sup>Tested according to ISO12500-1, 06050 M, Oil aerosol viscosity 32mm<sup>2</sup>/s, inlet concentration 10mg/m<sup>3</sup>



### MATERIALS

Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	Polyester needle felt
Adsorption media	/
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	Aluminium
Sealing	NBR

**SIZES**

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


**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 <sub>OP</sub>	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

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