FILTER ELEMENT – HF/XM

Series: HF Series

(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[(1)].

[(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
2	/	2

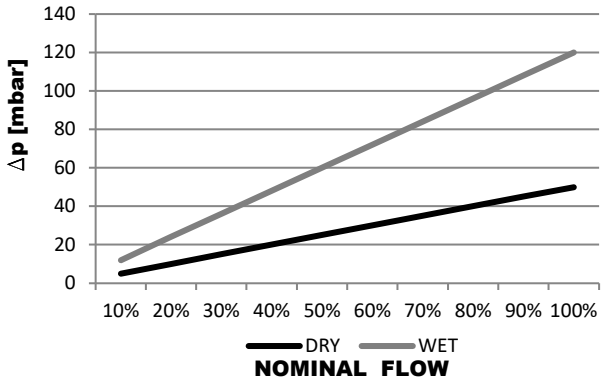
Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 50 barg / 0 - 725 psi
Differential pressure (dry)	50 mbar / 0,725 psi
Differential pressure (wet)	120 mbar / 1,740 psi
Particle retention (nominal)	99,9999% (0,1 µm)
Particle retention rate ISO[(3)]	99,98 %
Residual oil content[(4)]	< 0,1 mg/m^3
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2)[(5)]	/

[(3)]Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 M, Most penetrating particle size MPPS 0,3μm

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



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

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SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm^3/h]	Flow Capacity [scfm]	Fits into filter housing
HF 6060 XM	60	58	71	42	HF 007
HF 7060 XM	60	68	112	66	HF 010
HF 12060 XM	60	118	204	120	HF 018
HF 22090 XM	91	218	282	166	HF 047
HF 32090 XM	91	318	400	235	HF 070
HF 50090 XM	91	498	494	291	HF 094
HF 51090 XM	91	506	799	470	HF 150
HF 51140 XM	140	510	2160	1270	HF 200
HF 75140 XM	140	750	2760	1620	HF 240

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]	3	5	7	10	13	16	20	30	40	50
[psi]	44	72	100	145	189	232	290	435	580	725
C_{OP}	0,50	0,75	1	1,38	1,75	2,13	2,63	3,88	5,13	6,38

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

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

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