

FILTER ELEMENT – HF/A

Series: HF 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

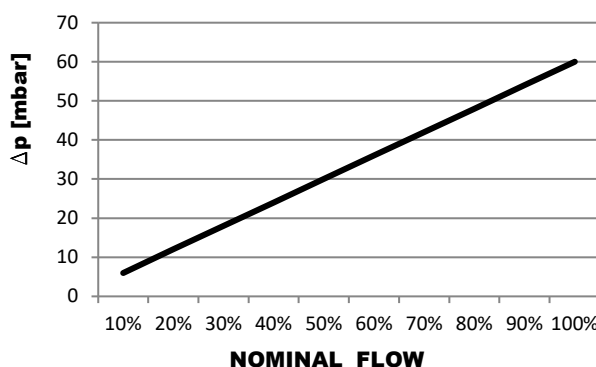
Validated according to ISO12500-2

* Valid if "S" filter cartridge is installed upstream

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C / 35 - 113 °F
Operating pressure	0 - 50 barg / 0 - 725 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	Aluminium
Sealing	NBR

SIZES

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