

# FILTER ELEMENT – HP-MF

**Series: NF-HP Series**  
**(Particulate + Coalescing)**

## DESCRIPTION

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



## FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles class	Water class	Oil class
2	/	2

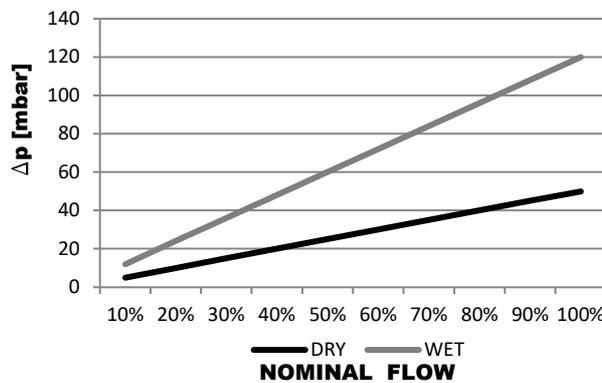
Validated according to ISO12500-1 and ISO12500-3

## TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 420 barg / 0 - 6090 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 <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 0,3 µm

<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	Epoxy
Endcaps	Stainless steel 1.4301
Sealing	Viton

## PRODUCT DATA SHEET

### SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm <sup>3</sup> /h]	Flow Capacity [scfm]	Fits into filter housing
HP-MF 03/05	35	76	40	23,5	HP 003
HP-MF 03/10	42	76	70	41,2	HP 005
HP-MF 04/20	52	104	130	76,5	HP 007
HP-MF 05/20	52	128	195	115	HP 010
HP-MF 05/25	62	128	275	162	HP 018
HP-MF 07/25	62	180	380	223	HP 030
HP-MF 07/30	86	180	495	291	HP 047
HP-MF 10/30	86	254	715	421	HP 094

### 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]	7	25	40	64	100	250	400
[psi]	100	362	580	928	1450	3625	5800
C <sub>OP</sub>	1	3	5	8	12	12	12

### MAINTENANCE

Replace filter element at least once per year or when pressure drop reaches 350mbar.

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

- We export to almost 100 countries.
- We have more than 2000 global customers.
- We can provide a total filtration solution.

- Filter-Online & Nordic Filtration offers a wide selection of filtration products for Domestic and Industrial Application.

- You can buy our products on our websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our websites:

[www.filter-online.com](http://www.filter-online.com) for Domestic Products

[nordicfiltration.com](http://nordicfiltration.com) for Industrial Products

We distribute many of our products from our stock in Denmark. Some products are shipped from remote stock.



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