

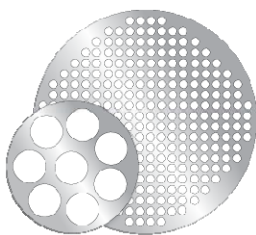
MH series

FILTERING CARTRIDGES
NOMINAL - MELT-BLOWN
OD 4.5"-6" (110-152 mm)



CHARACTERISTICS:

- Large diameter to permit high flow-rate
- Low cost disposal of the exhausted elements
- Depth filtration
- 100% pure polypropylene or nylon
- Nominal filtration rating
- Graded density filtration matrix
- High dirt holding capacity
- Resistant to contaminant unloading even at high Delta-P
- Filtration direction from out to in
- Three size and seven filtration rating available
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Surfactant, binder and adhesive free construction
- Cut end style without gaskets
- FDA CFR Title 21 and NSF42 approved polypropylene
- 1935/2004/CE certification available upon request
- Nominal filtration rating from 1 to 100 μ m



MHF and MHL filtering cartridges are designed to minimize the filter housing size.

One MHL filter cartridge is equivalent to:

- 8 standard melt-blown filter cartridges
- 5 standard pleated cartridges
- 1.5 size 2 filter bags

One MHF filter cartridge is equivalent to:

- 6 standard melt-blown filter cartridges
- 3 standard pleated cartridges
- 1 size 2 filter bag



MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINT AND RESINS
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

ASCO FILTRI

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**FILTERING CARTRIDGES
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OD 4.5"-6" (110-152 mm)**

TECHNICAL DATA

MAX. WORKING TEMPERATURE

MHL-MHF	80 °C max.
MHN	130 °C max.
MHE	60 °C max.

DIFFERENTIAL PRESSURE

Cartridge replacement:
2.0 bar @ 25 °C

Max. allowable:

MHL-MHF	3.5 bar @ 40 °C
	1.0 bar @ 82 °C
MHE	3.0 bar @ 30 °C
	1.0 bar @ 60 °C
MHN	4.0 bar @ 32 °C
	1.0 bar @ 130 °C

CONSTRUCTION MATERIAL

Filter media:

- MHL	Polypropylene
- MHF	Polypropylene
- MHE	Polypropylene
- MHN	Nylon

DIMENSIONS

MHL:

OD 152 - ID 114 mm

MHN:

OD 152 - ID 114 mm

MHF:

OD 110 - ID 80 mm

MHE:

OD 75 - ID 40 mm

Length:

MHL-MHF-MHN 20", 40"

MHE 10", 20", 30", 40"

FILTERING AREA

MHL-MNH 20":	0.24 m ²
MHL-MNH 40":	0.48 m ²
MHF 20":	0.17 m ²
MHF 40":	0.34 m ²
MHE 10":	0.06 m ²
MHE 20":	0.11 m ²
MHE 30":	0.17 m ²
MHE 40":	0.22 m ²

Flow-rate / Delta-P:

Filtration (µm)	Liquids (1 cP)			
	MHL	MHN	MHF	MHE
1	12	12	10	1.5
5	24	24	15	1.8
10	28	28	20	2.2
20	36	36	25	2.5
≥ 50	55	55	30	2.5

Air (0.018 cP)		
MHL/MHN	MHF	MHE
250	150	50
300	180	65
360	200	68
550	300	70
900	450	70

Liquids flow-rate (m³/h) - Clean Delta-P 0.1 bar

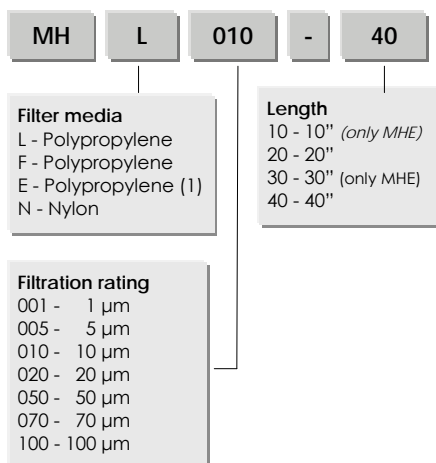
MHL - MHN - MHF: Flow-rate for 40" cartridges - MHE: flow-rate for 10" cartridges

Air flow-rate (Am³/h) - Clean Delta-P 0.06 bar

For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).

Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Ordering information:



1) MHE filtering cartridges are specifically manufactured to be installed in our filter housing of HCR and HCD series.

We reserve the right to change the data of this specification without notice.

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