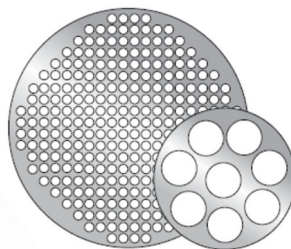


FEATURES:

- Designed to retrofit Coreless depth filter elements
- Large diameter to permit high flow-rate
- Low cost disposal of the exhausted elements
- High filtration area
- High dirt holding capacity
- Fewer elements change-out
- Smaller filter housing
- Resistant to contaminant unloading even at high Delta-P
- Filtration direction from outside to inside
- Three different filter media available
- Pure polypropylene hardware
- Stainless steel inner perforated core available as option
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Fusion bonding assembly
- FDA approved materials (*only for full polypropylene model*)
- Absolute filtration rating from 0.6 to 80 μm



PMH series

FILTERING CARTRIDGES
PLEATED CORELESS DESIGN
OD 4.3"-6" (110-152 mm)

MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESINS
- GALVANIC
- STEEL MILL
- GENERAL INDUSTRY

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PMH series

FILTERING CARTRIDGES
PLEATED CORELESS DESIGN
OD 4.3"-6" (110-152 mm)

TECHNICAL DATA

MAX. WORKING TEMPERATURE
 80 °C (polypropylene core)
 95 °C (stainless steel core)

DIFFERENTIAL PRESSURE

Cartridges replacement:
 2.0 bar @ 25 °C
Max. allowable:
 3.5 bar @ 20 °C

CONSTRUCTION MATERIAL

Filter media:

- Polypropylene
- Fibre glass
- Polyester

Hardware:

- 100% Polypropylene
- PP with SS core
- 100% stainless steel

Gaskets:

- Buna-n
- EPDM
- Viton
- Silicone

DIMENSIONS

External diameter:

- PMHF 4.3" (110 mm)
- PMHL 6" (152 mm)

Internal diameter:

- PMHF 3.15" (80 mm)
- PMHL 4.5" (114 mm)

Length:

- PMHF 20", 30", 40"
- PMHL 20", 30", 40", 60", 80"
- PMHL(X) 20", 30", 40", 60", 80"

FILTERING AREA

Standard pleated version:

- PMHF : 0.28 m² x 10"
- PMHL : 0.77 m² x 10"
- PMHL(X): 1.00 m² x 10"

Pleated depth version:

- PMHF : 0.10 m² x 10"
- PMHL : 0.35 m² x 10"

For different length,
 multiply area x length

Flow-rate / Delta-P data:

| Series | Liquid (1 cP) recommended flow-rate - Polypropylene | | | | | | | |
|--------|---|------|------|------|-------|-------|-------|-------|
| | 0.6 µm | 1 µm | 3 µm | 5 µm | 10 µm | 25 µm | 50 µm | 80 µm |
| PMHF | 12 | 25 | 30 | 32 | 35 | 35 | 35 | 35 |
| PMHL | 15 | 30 | 35 | 45 | 50 | 50 | 50 | 50 |

| Series | Liquid (1 cP) recommended flow-rate - Fibre glass | | | | | | |
|--------|---|------|------|------|-------|-------|-------|
| | 0.6 µm | 1 µm | 3 µm | 5 µm | 10 µm | 25 µm | 50 µm |
| PMHF | 14 | 30 | 36 | 38 | 42 | 42 | 42 |
| PMHL | 18 | 36 | 42 | 50 | 50 | 50 | 50 |

| Series | Air (0.018 cP) recommended flow-rate - PP / fibre glass | | | | | | |
|--------|---|------|------|------|-------|-------|-------|
| | 0.6 µm | 1 µm | 3 µm | 5 µm | 10 µm | 25 µm | 50 µm |
| PMHF | 350 | 360 | 360 | 370 | 390 | 390 | 450 |
| PMHL | 450 | 470 | 470 | 480 | 500 | 550 | 500 |

Liquids flow-rate (m³/h) - Air flow-rate (Am³/h) - Clean Delta-P 0.1 bar. Flow-rate valid for 40" long cartridges.
 For fluids other than water multiply pressure drop by fluid viscosity in cP.
 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.

Filtration efficiency / Filtration rating availability:

| (µm) | Efficiency | | | | Availability | | | | |
|------|------------|---------|--------|----------|--------------|---|---|---|----|
| | Liquids | | Gas | | Filter media | | | | |
| | 99.98% | 90% | 99.98% | 90% | PP | G | A | E | DP |
| 0.6 | 0.6 µm | 0.25 µm | 0.2 µm | < 0.1 µm | X | X | X | | X |
| 1 | 1 µm | 0.45 µm | 0.3 µm | 0.15 µm | X | X | X | | X |
| 3 | 3 µm | 0.80 µm | 1 µm | 0.5 µm | X | X | X | X | X |
| 5 | 5 µm | 2.0 µm | 2 µm | 0.8 µm | X | X | X | X | X |
| 10 | 10 µm | 4.5 µm | 3 µm | 1 µm | X | X | X | X | X |
| 25 | 25 µm | 10 µm | 5 µm | 3 µm | X | X | X | X | X |
| 50 | 50 µm | 25 µm | 10 µm | 5 µm | X | | | X | X |
| 80 | 80 µm | 60 µm | 20 µm | 10 µm | X | | | X | X |

Filtration efficiency of liquids defined with Multipass ISO 4572 test.

Contact us for any further information.

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

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