

## HANS Polypropylene Pleated Filter Cartridge

### HANS Polypropylene Pleated Filter Cartridge (PMF Series)

Polypropylene pleated filter cartridge is constructed of micro polypropylene material. This nominal rated filter is suitable for wide range of applications such as pharmaceutical, food and beverage, electronics, cosmetics and plating. Larger pleated filtration surface area has prolong its lifespan and increase the dirt holding capacity. Its 100% polypropylene construction provides good chemical compatibility with low extractable.

### Features & Benefits

- High surface area
- Wide selection of micron rating to meet different filtration requirement
- Increased dirt holding capacity
- Longer service life
- Constructed of all polypropylene high purity media & meet FDA requirement
- Multiple layered micro-porous construction ensures consistent filtration performance
- No adhesive, thermal bonded manufacturing enable the smallest contaminant extraction and high durability
- Wide selection of micron rating to meet different filtration requirement

### Applications

- Pre-filtration for RO system / DI water system
- Solvents / selected acid & lye / chemical industry
- Semiconductor / electronic industry ultrapure water system
- Food & beverage / drinking water treatment
- Oil industry

### Material

- a) Filtration Materials / Support Layers / Inner & Outer Core / End Cap
- Polypropylene

- b) Gasket / O-ring

- EPDM (E)
- Silicone (S)
- Buna (B)
- Viton (V)



### Cartridge Safety

- Endotoxin - < 0.25EU / ml
- Extractable – 0.03g / 10”

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- Pharmaceutical Water
- Potable Water
- Effluent Treatment
- Complementary Products & Services

**Operation Conditions**

- a) Temperature
  - Normal – Up to 65 Deg. C (140 °F)
  - Maximum – 90 Deg. C (194 °F) at Pressure ≤ 1.0 bar (14.5 psi)
- b) Flow Direction
  - Forward – 4.2 bar (60 psi) at 25 Deg. C (77 °F)
  - Reverse – 2.1 bar (30 psi) at 25 Deg. C (77 °F)
- c) Sterilization Temperature Time
  - Steam sterilization for 30 minutes at 121 +/- 2 Deg. C
  - 100 cycle
  - Autoclave 30 minutes (Optional)

**Specifications**

a) OD : 69mm (2.75")

b) ID : 28mm (1.10")

c) Length :

Code	1L	2L	3L	4L
Inch	10	20	30	40

Note : Dimension for the filter (based on Double Open End)  
10" – 254mm / 20" – 508mm / 30" – 762mm / 40" – 1,016mm

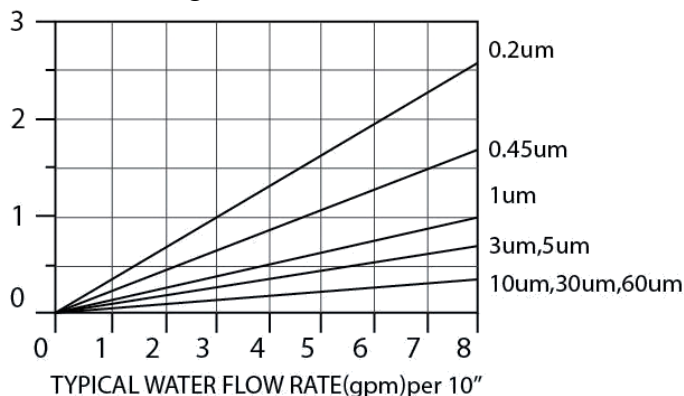
d) Rating :

Rating	0.1R	0.2R	0.45R	1R	5R
Micron (µ)	0.1	0.2	0.45	1	5

Note : Please refer sales personal to checking other rating (micron size)

e) End Caps

- Double Open End (DOE)
- Single Open End with 222/Flat (S2C)
- Single Open End with 222/Fin (S2F)
- Single Open End with 226/Flat (S6C)
- Single Open End with 226/Fin (S6F)



**Ordering Code**

Model: HF-Series-Rating-Length-End Cap-O-ring

Example: HF-PMF-0.1R-1L-DOE-E

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