

MF Series Pleated High Flow Cartridges

Description

MF Series Pleated High Flow Cartridges are designed to be used in different filter housings which install 1 to 37 pieces cartridge filters. Pleated high flow cartridges are made by polypropylene media, large filter area and high filtration efficiency exceed 99%. High flow cartridge filters can be used for a variety of important industrial applications for different high flow rate request. High flow pleated cartridges are used for water treatment system requiring large flow, reduce the number of normal 2.5" OD filter cartridges save much cost and manpower, longer service life and high dirt holding capacity.



Features & Benefits

- Easy to install and replace, save manpower and times
- High flow pleated cartridges are high intensity and long service life
- Wide range of chemical compatibility and suitable for a variety of fields
- Pleated high flow cartridges are large flow rate and high dirt holding capacity
- The sealing O-ring design no bypass to improve the filtering efficiency of high flow cartridge filters
- Used for water treatment system requiring large flow, longer service life and high dirt holding capacity

Application

- Power plant condensed water filtration
- Pharmaceutical ingredients, water filtration
- Chemical industry, microelectronics industry
- Petroleum chemical industry related filtering
- R.O.pre-filtration and sea water desalination
- Drinking water, edible oil, beer, milk filtration

Specification

| | |
|---------------------------|--|
| Filter Media | Polypropylene Pleated |
| Length | 20"(508mm), 40"(1016 mm), 60"(1524mm) |
| Outside Diameter | 6.5 inch(165mm) |
| Filtration Rating | 1µm, 3µm, 5µm, 10µm, 20µm, 40µm, 70µm, 100µm |
| Support/Drainage | Polypropylene (PP) |
| End Cap Material | Glass fiber reinforced Polypropylene (PP) |
| Center Core | Polypropylene |
| Outer Support Cage | Polypropylene |
| Seal Material | EPDM, Viton |

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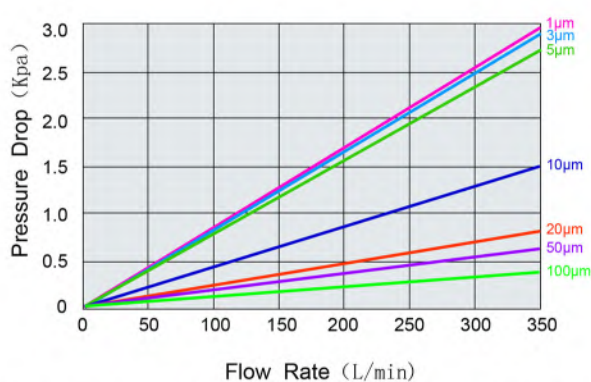
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Operation Data

| | |
|--|-------------------------|
| Maximum Operating Temperature | 80°C |
| Maximum Differential Pressure | 3.4Bar @ 82°C |
| Replacement recommend pressure drop | 2.4Bar @ 20°C |
| Suggested Maximum Flow Rate | 40"(1016 mm) - 1300 LPM |



Flow Rate vs Pressure Drop for Per 40" Cartridge

End Cap

Type A End Caps



Type B End Caps



Order Information

| MF | Material | Length | Filtration Rating | End Caps | O-ring Material | |
|--|----------------|------------------|-------------------|---------------------|-----------------|--|
| MF Series Pleated High Flow Cartridges | P = PP Pleated | 20 = 20"(508mm) | 1 = 1µm | A = Type A End Caps | E = EPDM | |
| | | | 3 = 3µm | | | |
| | | | 5 = 5µm | | | |
| | | | 10 = 10µm | | | |
| | | | 20 = 20µm | | | |
| | | | 40 = 40µm | | | |
| | | 40 = 40"(1016mm) | 70 = 70µm | B = Type B End Caps | V = Viton | |
| | | | 100 = 100µm | | | |
| | | | 60 = 60"(1524mm) | | | |
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For Example:

MF-P-40-1-A-E

MF Series Pleated High Flow Cartridges - PP Pleated - 40" (1016mm) - 1µm - Type A End Caps - EPDM

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