

DI SERIES PLEATED HYDROPHILIC PVDF MEDIA PHARMACEUTICAL/BIOTECH GRADE FILTER CARTRIDGE

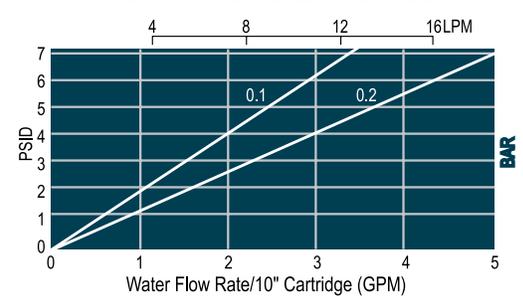
- Composed of a validatable, hydrophilic, PVDF membrane. Offering a high velocity DI water flush for quick rinse-up with no downstream contamination.
- These absolute rated filters offer superior bacteria and particle removal for critical high purity postfiltration applications
- Filters have single PVDF membrane with two layers of polypropylene support media to ensure absolute bacteria retention with typical LRV >8
- The all PVDF membrane can be sanitized with chlorine, hydrogen peroxide or steam
- Virgin polypropylene construction with fusion welding minimizes extractables
- Cartridges are 100% integrity tested to verify absolute sub-micron particle retention



CARTRIDGE SPECIFICATIONS

| Dimensions | | |
|--|--|---|
| Diameter (OD) | 2.75" (7.0 cm) | |
| Length/in (cm) | 10, 20, 30, 40 (25.4, 50.8, 76.2, 101.6) | |
| Materials | | |
| Cartridge | Polypropylene caps, core and cage | |
| Media | Hydrophilic PVDF | |
| Seals | Silicone o-rings and gaskets | |
| Operating Parameters | | |
| Maximum Temperature | 176°F (80°C) @ 25 psid (1.7 bar) | |
| Maximum Differential Pressure @ 25°C | 50 psi (3.4 bar) | |
| Filtration Rating | 100% Absolute | |
| Recommended Water Flow Rates | | |
| 0.1 µm | 0.5 gpm/10" length (1.9 lpm/10" length) | |
| 0.2 µm | 1.0 gpm/10" length (3.8 lpm/10" length) | |
| Sanitizing Agents | | |
| Chlorine, hydrogen peroxide | | |
| Sterilization | | |
| 30 SIP cycles of 30 min. @ 121°C, 30 autoclave cycles of 60 min. @ 121°C | | |
| Integrity Test | | |
| Pore Size | Minimum Water Bubble Point @ 23°C | Diffusional Flow (cc/min) @ Test Pressure per 10" length in Water |
| 0.1 µm | ≥ 7.0 psig (≥ 4.8 bar) | ≥ 20 @ 56 psig (3.8bar) |
| 0.2 µm | ≥ 45 psig (≥ 3.1 bar) | ≥ 13.3 @ 40 psig (2.8 bar) |
| Sanitizing Agents | Hydrogen peroxide or autoclaved for 20 minutes at 121° C | |

FLOW RATE vs. INITIAL CLEAN PRESSURE DROP



ORDERING INFORMATION

Catalog Number and Description

FCDI Filter Cartridge Water DI

X Cartridge Code:
0 = 2-222 o-rings
5 = 2-222 o-rings w/spear
7 = 2-226 o-rings w/flocking tabs/spear end
F = double open end w/flat gasket seal

XX Length (in): **10** = 10, **20** = 20, **30** = 30, **40** = 40

XX Micro rating: **S1** = 0.1 µm, **S2** = 0.2 µm

To figure your order number, replace the X with one of the numbered or lettered options beside it. Note: Not all part number combinations are available; consult Technical Support for assistance.