



## 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

### SPECIFICATIONS

#### Dimensions

Diameter (OD) .....	2.75" (7.0 cm)
Length (in) .....	10, 20, 30, 40

#### 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 micron .....	0.5 gpm/10" length (1.9 lpm/10" length)
0.2 micron .....	1.0 gpm/10" length (3.8 lpm/10" length)

#### Sanitizing Agents

Chlorine, hydrogen peroxide

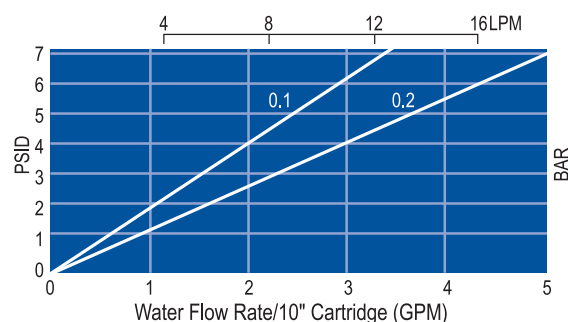
#### Sterilization

30 SIP cycles of 30 min @ 121°C; 30 autoclave cycles of 60 min @ 121°C

#### Integrity Test

Pore Size .....	Minimum Water	Diffusional Flow (cc/min)
.....	Bubble Point @ 23°C	@ Test Pressure per 10" length in water
0.1 µm .....	≥ 70 psig (≥ 4.8 bar)	≤ 20 @ 56 psig (3.8 bar)
0.2 µm .....	≥ 45 psig (≥ 3.1 bar)	≤ 13.3 @ 40 psig (2.8 bar)

FLOW RATE vs. INITIAL CLEAN PRESSURE DROP



### ORDERING INFORMATION

#### Catalog Number and Description

FCDI .....	Filter cartridge Water DI
X .....	Cartridge Code: <b>0</b> = 2-222 o-rings <b>5</b> = 2-222 o-rings w/spear <b>7</b> = 2-226 o-rings w/locking tabs/spear end <b>F</b> = double open end w/flat gasket seal
XX .....	Length (in): <b>10</b> = 10, <b>20</b> = 20, <b>30</b> = 30, <b>40</b> = 40
XX .....	Micron Rating: <b>S1</b> = 0.1 µm, <b>S2</b> = 0.2 µm

To determine your catalog 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.