

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 R	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. @ 12	1°C, 30 auto	clave cycles o	of 60 min. @ 121°C
Integrity Test			
	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 $^\circ$ C		

24-Hour Customer Service: +1 (800) 466-7873

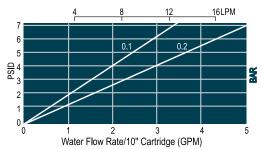
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FLOW RATE vs. INITIAL CLEAN PRESSURE DROP



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	
хх	Length (in): 10 = 10, 20 = 20, 30 = 30, 40 = 40	
хх	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.