



## CPD grade

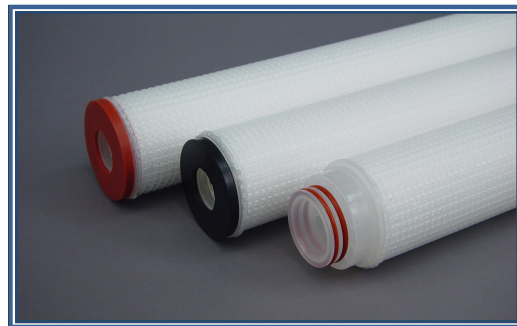
*Commercial Polypropylene Depth Media Filter Cartridges*  
*Engineered and Manufactured for Maximum Efficiency and Value*

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CPD pleated polypropylene depth cartridges are designed for clarifying applications requiring high flow capacity. The depth media utilized in the CPD product line is high loft Melt-blown polypropylene which gives exceptional flow characteristics and high dirt holding capacity because of its high internal porosity. Fine polypropylene fibers are bonded together to ensure no fiber release in a fiber matrix that maintains high porosity. Rated at 99.9% efficiencies make it a cost effective filter designed to extend final filter life.



### Construction Materials <sup>1</sup>

**Filtration Media:**..... Polypropylene  
**Filtration Media Support:** ..... Polypropylene  
**End Caps:**..... Polypropylene  
**Center Core:**..... Polypropylene  
**Outer support Cage:** ..... Polypropylene  
**Sealing Method:** ..... Thermal Bonding  
**O-rings:**..... Buna, Viton®, EP, Silicone, Teflon® Encapsulated Silicone, Teflon® Encapsulated Viton®

<sup>1</sup> All materials of construction are FDA accepted.

### Maximum Operating Parameters

**Forward Differential Pressure:** ..... 50 psi (3.4 bar) at 20°C.  
**Reverse Differential Pressure:**..... 20 psi (1.4 bar) at 20°C.  
**Operating Temperature:** ..... 175°F (80°C) at 10 psid (0.69 bar) in water.

### Dimensions

**Length:**..... 10 to 40 inches (25.4 to 101.6 cm) nominal  
**Outside Diameter:**..... 2.50 inches (6.35 cm) nominal  
**Filtration Area:**..... 6.5 ft<sup>2</sup> (0.60 m<sup>2</sup>) Per 10" length

### Flow Rate

The following table represents typical water flow at a one psi (69 mbar) pressure differential across a single 10 inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent.

Pore Size	0.10 µm	0.22 µm	0.45 µm	0.65 µm	1.0 µm	3.0 µm	5.0 µm	10 µm	20 µm	30 µm	40 µm	60 µm	100 µm
GPM	1.0	3.0	5.0	6.0	8.0	12	16	18	> 20	> 20	> 20	> 20	> 20
LPM	3.79	11.35	18.92	22.71	30.28	45.42	60.56	68.13	> 75.70	> 75.70	> 75.70	> 75.70	> 75.70

### Ordering Information

The cartridge catalog number is made up of several variable characters i.e. pore size, length, O-ring material, and end cap code. For example: a 0.1µm, 20 inch (50.8 cm) long cartridge with 2-222, Teflon® Encapsulated Viton® O-rings, no spear (flat top) would be designated as: CPD\*10N00002T5.

CPD	<input type="text"/>	N	0000	<input type="text"/>	<input type="text"/>	<input type="text"/>
<div> <div> <b>Pore size code</b>            *10 = 0.10 µm            *20 = 0.22 µm            *40 = 0.45 µm            *60 = 0.65 µm            1*0 = 1.0 µm            3*0 = 3.0 µm            5*0 = 5.0 µm            10* = 10.0 µm            20* = 20.0 µm            30* = 30.0 µm            40* = 50.0 µm            60* = 60.0 µm            999 = 100.0 µm         </div> <div> <b>316 SS Ring</b>            N = No Ring         </div> <div> <b>Cartridge Length</b>            1 = 10 inches (25.4 cm)            2 = 20 inches (50.8 cm)            3 = 30 inches (76.2 cm)            4 = 40 inches (101.6 cm)         </div> <div> <b>O-ring code</b>            S = Silicone            B = Buna            V = Viton®            T = Teflon® Encapsulated Viton®            E = EP            R = Teflon® Encapsulated Silicone         </div> <div> <b>End cap code</b>            0 = Flat Gasket, double open end            3 = 213/119 Both Ends            4 = 213/119 w/ Plug            5 = 2-222 O-ring / Flat            6 = 2-226 O-ring / Flat            8 = 2-222 O-ring with Spear            9 = 2-226 O-ring with Spear         </div> </div>						