



CPD Filters

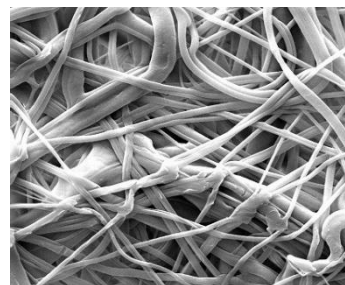
Economy Pleated Polypropylene Depth Media



CPD filters are part of Critical Process Filtration's economical, general service product line that can be used to lower the total cost of filtration from simple to the most complex applications. Produced using the same quality materials and manufacturing excellence as our other product lines, you can be assured of their performance, dependability and scalability. While general service filters are not integrity tested or validated for retention, these highly efficient filters remove large amounts of contaminants early in the process to reduce the load on your expensive downstream filters. They are also useful as stand-alone clarifying or particle removal filters in less critical applications.

Commercial grade CPD filters are made using extruded outer cages and a continuous pleat pack for economical construction. The media is high quality polypropylene depth media, which offers exceptional flow characteristics and high dirt-holding capacity. Fine polypropylene fibers are bonded together to ensure no fiber release in a fiber matrix that maintains high porosity. An economical design and a 99%+ retention efficiency make the CPD filter a cost-effective option for water, waste streams and chemical applications. Pore sizes range from 0.10 to 100 microns.

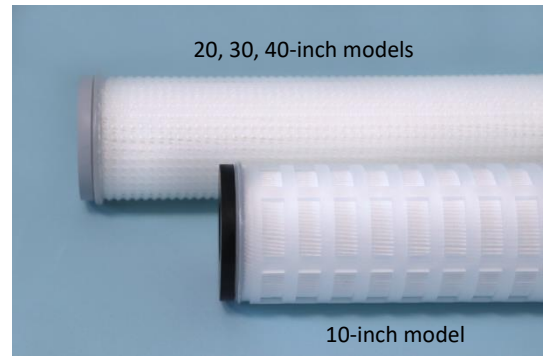
Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing & analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company's solution right the first time.



CPD filters are recommended for clarification & prefiltration in:

- Process Water
- Specialty Chemicals
- Waste Stream Cleanup
- Sediment Removal

Clarification & Prefiltration



CARTRIDGES – Nominal Dimensions
Length: 10 to 40 in. (25.4 to 101.6 cm)
Outside Diameter: 2.50 in. (6.35 cm)

Maximum Operating Parameters

CARTRIDGES

Operating Temperature (water)	175 °F at 10 psid (80 °C at 0.69 bard)
Forward Differential Pressure	50 psid at 68 °F (3.4 bard at 20 °C) (Liquid and Gas)
Reverse Differential Pressure	20 psid at 68 °F (1.4 bard at 20 °C)
Recommended Changeout Pressure	35 psid (2.4 bard)

Filtration Area (Nominal)

Length	10"	20"	30"	40"
	25.4cm	50.8cm	76.2cm	101.6cm
Area	5.8 ft ²	11.6 ft ²	17.4 ft ²	23.2 ft ²
	0.54m ²	1.08m ²	1.62m ²	2.16m ²

Extractables

CPD filters typically exhibit low levels of non-volatile residues.

Non-Fiber Releasing

CPD filters comply with Title 21 CFR sections 210.3 (b)(6) and 211.72, for non-fiber releasing filters.

FDA and EC Compliance

Materials meet the requirements listed by the FDA as appropriate for use in articles intended for repeated food contact as specified in Title 21 CFR sections 174.5, 177.1500, 177.1520, 177.1630, 177.2440, and 177.2600 as applicable. All materials used to make the filters are listed in European Commission Regulation EU/10/2011, Annex 1.

Construction Materials

Filtration Media	Pleated Polypropylene Depth Media
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Media Support	Polypropylene
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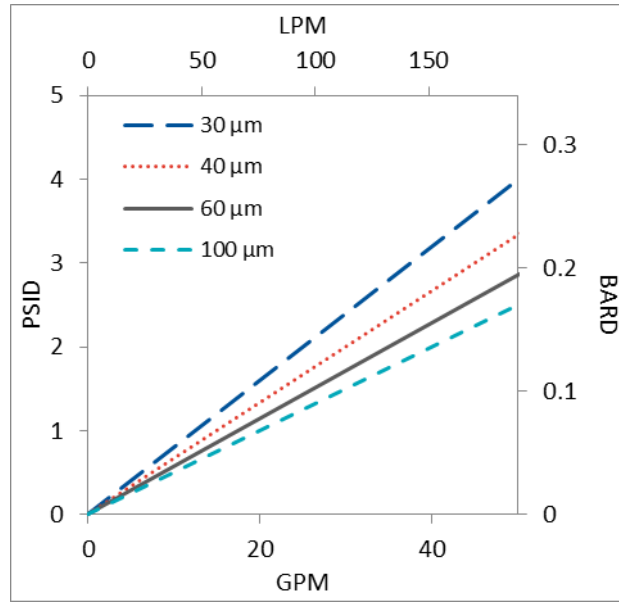
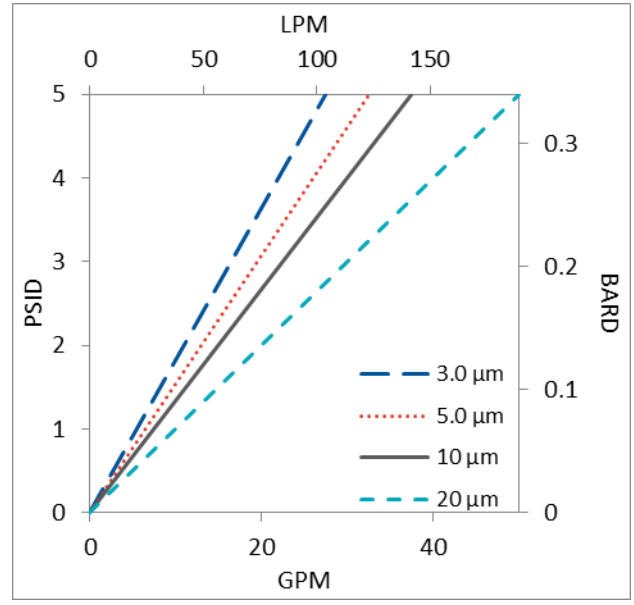
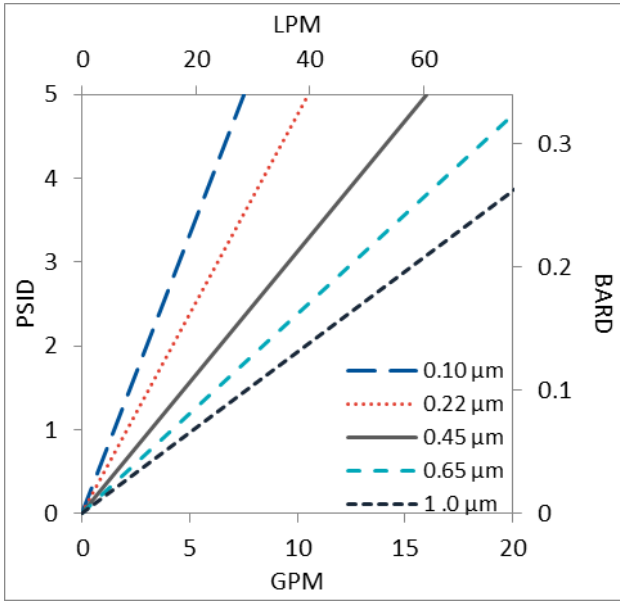
End Caps, Center Core	Polypropylene
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Outer Support Cage	Extruded Polypropylene
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Sealing Method	Thermal Bonding
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O-Rings/Gaskets	Buna, Viton® (or FKM), EPDM, Silicone, FEP Encapsulated Silicone, FEP Encapsulated Viton (or FKM)
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Flow Rates for CPD Cartridges by Pore Size



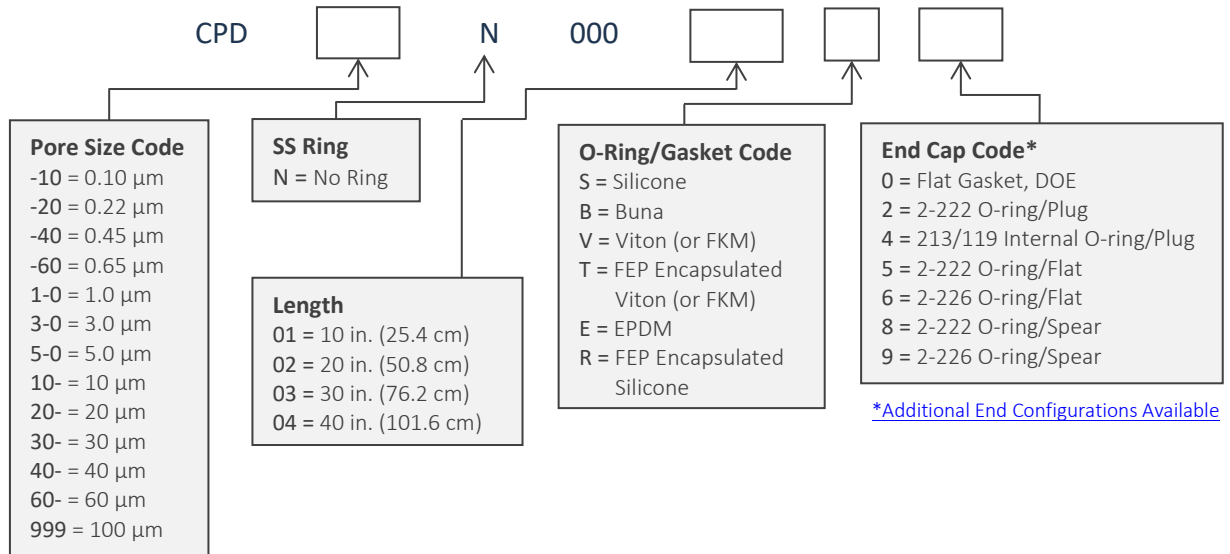
Flow rates for Cartridge filters are per 10-inch length. The test fluid is water at ambient temperature.

CPD Filters Ordering Information

All Critical Process filters are configurable to meet customer specifications.
Fill in the corresponding codes in the boxes below to build your Part Number.

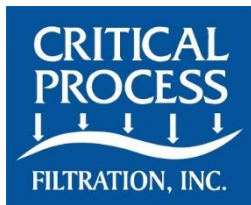
To consult with one of our technical team members, request a quote or place an order:
call (603) 880-4420 Ext. 106, or send an email to sales@criticalprocess.com

Cartridge Filters



Housings

CPF offers stainless steel industrial housings for CPD filters: CUR is for a single cartridge filter, and CIH is for Multiple Round configurations.



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