

PureFlo® Depth Pleated Polypro Filter Cartridges (Thick pleated depth media)

High Bio-burden Efficient Filtration

PureFlo® pleated depth cartridge filter are designed for large scale filtration and clarification applications in the pharmaceutical, bio-technology, food and beverage, medical, chemical, water, and power generation industries worldwide. This family of products is particularly suitable for the fluids that contain high bio-burdens or suspended solids.

Highly retentive graded porosity design removes particles in sequence by size – larger particles by the more open outer layers and smaller particles by the tighter inner layers. The outer layers act as a pre-filter while the inner layers provide the absolute rating at the specified pore size. This efficiently spreads the contaminants throughout the media matrix resulting in superior contaminant holding capacity, lifetime, and pressure drop as compared to other media cartridges.

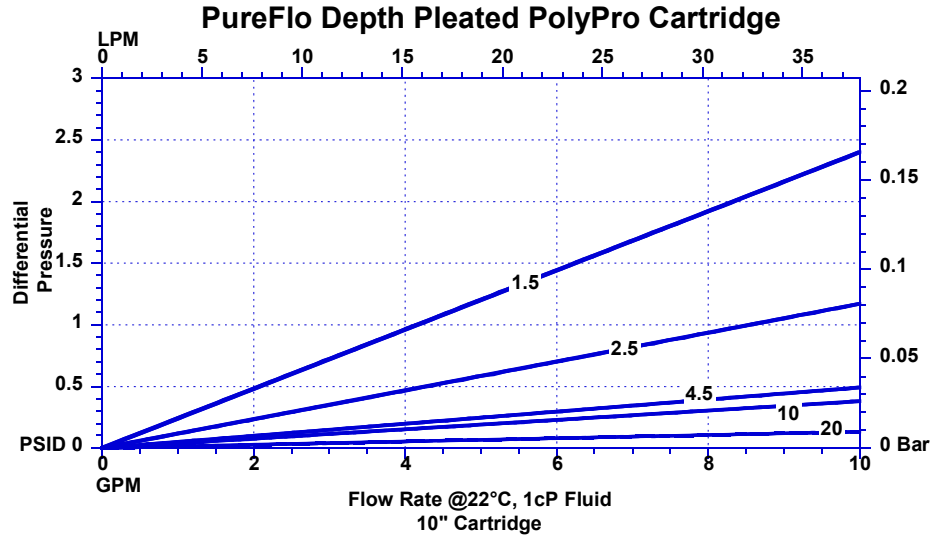
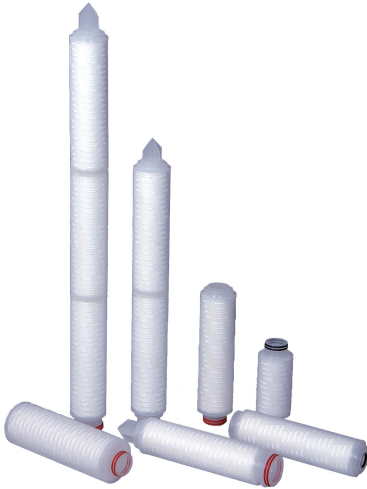


Applications	
Clarification	Ink
Bio-Burden	Beverages
Yeast Removal	Pharmaceuticals
Fine Chemicals	Biologics
Plating Solutions	Wine
Beer	Water

Specification

Materials of Construction:	Media: Non-Woven Polypropylene Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicone, EPDM, Fluoro-Elastomer, Buna N, TES, TEV
Fitting Connections:	See ordering guide for the availability Custom adaptors available upon request
Nominal Dimensions:	Lengths: 5 in. (13 cm), 10 in. (25 cm), 20 in. (50 cm), 30 in. (76 cm), 40 in. (102cm) Diameter: 2.75 in. (7 cm)
Available Ratings:	1.5um, 2.5um, 4.5um, 10um, and 20um
Operating Conditions:	Maximum Forward Differential Pressure: 4.0 bar (58 psid) at 80 °C Maximum Reverse Differential Pressure: 2.0 bar (29 psid) at 80 °C Maximum Operating Temperature: 80° C
Sterilization:	The filters can be sterilized by autoclaving for up to 5 cycles at 121°C (250°F) for 20 minutes. The filters can also be sanitized by hot water or common chemicals that are compatible with polypropylene.
Regulatory Compliance:	The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

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PureFlo Depth Pleated Polypro Filter Cartridge Ordering Guide

PureFlo Depth Polypro Media	Pore Size (micron)	Connections	Length	Gasket/O-Ring Materials	Package Quantity	Inserts
NDP	15 = 1.5	0 = 222 O-Ring Flat	1 = 10"	E = EPDM	1 = 1 per pack 6 = 6 per pack (for 10" and 20" only)	Blank = Standard -5 = SUS Insert
	25 = 2.5	5 = 222 O-Ring Spear	2 = 20"	N = Buna N		
	45 = 4.5	6 = 226 O-Ring Flat	3 = 30"	S = Silicone		
	1X = 10	7 = 226 O-Ring Spear	4 = 40"	V = Viton		
	2X = 20	F = DOE Flat Gasket S = SOE Flat Gasket Z = SOE Internal 213 O-ring Flat **	5 = 5"	T = TEV * U = TES *		
Example - 10", 1.5 micron, with 2-222 EPDM O-Rings/Spear Cap with no insert would be NDP1551E1						
* - not available in Code Z ** - only available in 5", 10", and 20"						

Your Local Distributor:



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