

Mini Depth Pleated PP Filters (Cartridges and Capsules)

High Bio-burden Efficient Filtration

PureFlo® Mini Depth Pleated cartridge and Capsule filters are designed for filtration and clarification applications in the pharmaceutical, biotechnology, food and beverage, medical, chemical, and water 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

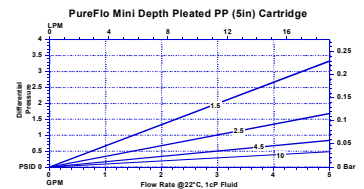
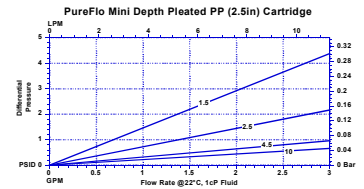
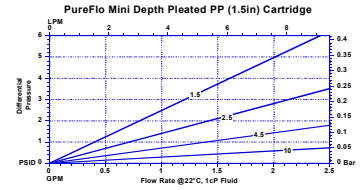
Specification

Materials of Construction:	Media: Non-Woven Polypropylene Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicone, EPDM, Fluoro-Elastomer, Buna N,
Fitting Connections:	See ordering guide for the availability. Any inlet/outlet combinations. (Custom adaptors available upon request)
Nominal Dimensions:	Lengths: 1.5 in, 2.5 in, 5in, and 10" Diameter: 2.2 in. (56mm)
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.

Mini Depth Pleated PP Filters



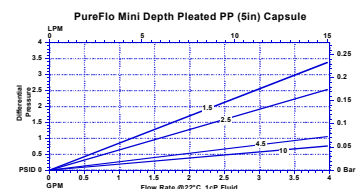
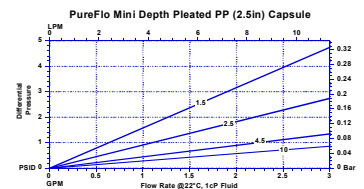
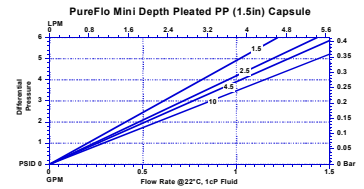
Cartridge



PureFlo Mini Depth Pleated PP Filter Cartridge and Capsule Ordering Guide

PureFlo Depth Pleated Mini PP Filter Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty
DMP = Mini Depth Pleated PP Cartridge	015 = 1.5 micron	A = 116 Inner O-Ring	H = 1.5"	E = EPDM	2P = 2pc/ pack (5") 3P = 3pc/ pack (1.5" and 2.5")
	025 = 2.5 micron	N = 116 Inner Housing seal	S = 2.5"	N = Buna N	
	045 = 4.5 micron	E = 118 O-ring	L = 5"	S = Silicone	
	100 = 10 micron	C = 015 O-ring		V = Viton	
	200 = 20 micron			O = O-ringless Seal	
Example - A 3 pack of 2.5", 2.5 micron filters with 116 Internal EPDM o-ring would be DMP025ASE3P					

Capsule



PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Length	Input Fitting	Output Fitting	Option
SK 70mm Diameter Capsule	DP = Depth Polypropylene	015 = 1.5um	H = 1.5"	1H = 1/8" Hose barbs	1H = 1/8" Hose barbs	-N = No vent or Drain fittings -NI = No vent or Drain inlet fitting -NO = No vent or Drain Outlet fitting -FB = Filling Bell
		025 = 2.5um	S = 2.5"	1NF = 1/8" FNPT	1NF = 1/8" FNPT	
		045 = 4.5um	L = 5"	2C = 1/4" Compression	2C = 1/4" Compression	
		100 = 10um	K = 10"	2H = 1/4" to 1/2" Hose barbs	2H = 1/4" to 1/2" Hose barbs	
		200 = 20um		2HS = 1/4" to 3/8" Hose barbs	2HS = 1/4" to 3/8" Hose barbs	
				2L = Large Female Luer Lock fitting	2L = Large Female Luer Lock fitting	
				2N = 1/4" MNPT	2N = 1/4" MNPT	
				2NF = 1/4" FNPT	2NF = 1/4" FNPT	
				2Q = 1/4" Male Quick Coupling for Metal latch	2Q = 1/4" Male Quick Coupling for Metal latch	
				2QF = 1/4" Female Quick Coupling with Metal latch	2QF = 1/4" Female Quick Coupling with Metal latch	
				2QFP = 1/4" Female Quick Coupling with Plastic latch	2QFP = 1/4" Female Quick Coupling with Plastic latch	
				2QP = 1/4" Male Quick Coupling for Plastic latch	2QP = 1/4" Male Quick Coupling for Plastic latch	
				3C = 3/8" Compression	3C = 3/8" Compression	
				3H = 3/8" Hose Barb	3H = 3/8" Hose Barb	
				3HE = 3/8" Hose Barb Elbow	3HE = 3/8" Hose Barb Elbow	
				3NF = 3/8" FNPT	3NF = 3/8" FNPT	
		4C = 1/2" Compression	4C = 1/2" Compression			
		4H = 1/2" Hose Barb	4H = 1/2" Hose Barb			
		4N = 1/2" MNPT	4N = 1/2" MNPT			
		4QP = 1/2" Male Quick Coupling for Plastic latch	4QP = 1/2" Male Quick Coupling for Plastic latch			
		MT = 1/2" Tri clamps	MT = 1/2" Tri clamps			
		TC = 1-1/2" Tri clamp	TC = 1-1/2" Tri clamp			
Example - 2.5", 2.5 micron Depth PP Capsule, with 1/2" Hose Barb fittings would be SKLDP052H2H						
<small>Male Quick Couplings are molded, Female Quick Coupling with Plastic latch will be threaded on, compatible with CPC (Colder), LinkTech and other compatible couplings.</small>						

Your Local Distributor:



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