

PureFlo® Polypropylene Filter Capsules ZenPure

PureFlo® Polypropylene filter capsules are highly retentive, graded porosity, pleated polypropylene media filters that have been specially designed for clarification and pre-filtration applications.

The 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.

No adhesives, binders, or surfactants are used in the manufacturing process. The non-woven media does not allow for migration into the process fluid, thereby reducing the potential for extractables and downtime. Furthermore, the all-polypropylene construction provides excellent thermal and chemical compatibility with low and high pH chemicals.

PureFlo Polypropylene filter capsules are absolute rated to ensure consistent filter performance each and every time out of the package. Available in a wide-variety of micron sizes.



Materials of Construction

Media: Non-Woven Polypropylene
 Media Supports: Polypropylene
 Cage, Core, End Caps: Polypropylene
 Fitting Connections: MNPT, FNPT, Compression, Hose Barb, Sanitary Flange

Dimensions (TC fittings)

Length: 1.5 in (128 mm)
 Length: 2.5 in (155 mm)
 Length: 5.0 in (210 mm)
 Length: 10 in (340mm)
 Diameter: 2.75 in (70 mm)

Effective Filtration Area

1.5 in - 0.65 ft² (600 cm²)
 2.5 in - 1.3 ft² (1200 cm²)
 5.0 in - 2.7 ft² (2400 cm²)
 10 in - 5.2 ft² (4800 cm²)

Operating Conditions

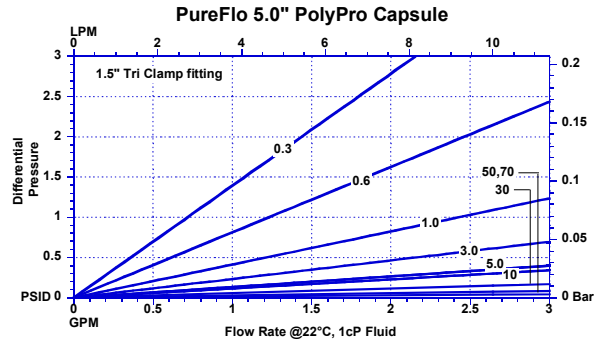
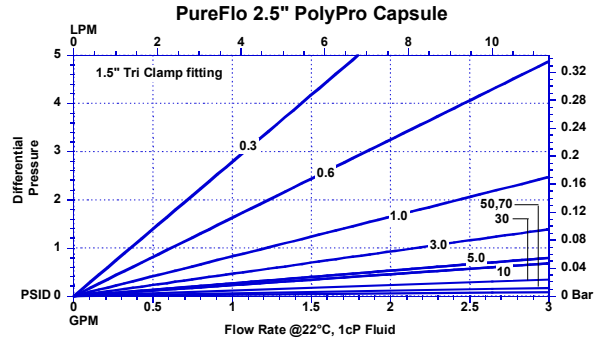
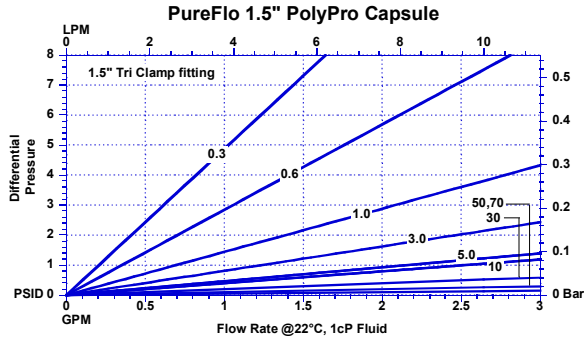
Maximum Forward Differential Pressure:
 4.0 bar (58 psid) at 20°C
 Maximum Reverse Differential Pressure:
 2.0 bar (29 psid) at 20°C
 Maximum Operating Temperature: 60° C

Regulatory Compliance

Manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations and USP Class VI Biological Test for Plastics.

Applications	
Acids	Ink Jets
Bases	Beverages
Solvents	Pharmaceuticals
Fine Chemicals	Biologics
Plating Solutions	Dyes
Process Water	Lacquers

Features	Benefits
<ul style="list-style-type: none"> Absolute Rated Pleated Polypropylene Media (Graded Porosity Design) 	<ul style="list-style-type: none"> Media matrix removes particles in sequence by size – larger particles by the more open outer layers and smaller particles by the tighter inner layers High flow rates and low pressure drops Superior filter lifetime and process throughputs Consistent and reproducible particulate removal
<ul style="list-style-type: none"> 100% Polypropylene Disposable Capsule 	<ul style="list-style-type: none"> Excellent thermal and chemical compatibility No media migration Rapid installation and reduced downtime Reduced chemical handling and hazardous waste disposal
<ul style="list-style-type: none"> Low Filter Extractables 	<ul style="list-style-type: none"> No adhesives, binders, or surfactants are used during manufacturing, resulting in superior downstream cleanliness Capsules are rinsed with high-purity water



Note - Graphs based on Sanitary fittings.

Inlet/Outlet Fittings	Vent and Drain fittings
1H = 1/8" Hose bars	Luer Lock
1NF = 1/8" FNPT	Luer Lock
2C = 1/4" Compression	1/4" Comp
2H = 1/4" to 1/2" Hose bars	Luer Lock
2HS = 1/4" to 3/8" Hose bars	Luer Lock
2L = Large Female Luer Lock fitting	Luer Lock
2N = 1/4" MNPT	Luer Lock
2NF = 1/4" FNPT	Luer Lock
2Q = 1/4" Male Quick Coupling	Luer Lock
2QF = 1/4" Female Quick Coupling	Luer Lock
2QFP = 1/4" Female Quick Coupling with Plastic latch	Luer Lock
2QP = 1/4" Male Quick Coupling for Plastic latch	Luer Lock
3C = 3/8" Compression	1/4" Comp
3H = 3/8" Hose Barb (future)	Luer Lock
3HE = 3/8" Hose Barb Elbow	Luer Lock
3NF = 3/8" FNPT	Luer Lock
4C = 1/2" Compression	1/4" Comp
4H = 1/2" Hose Barb (future)	Luer Lock
4N = 1/2" MNPT	Luer Lock
4QP = 1/2" Male Quick Coupling for Plastic latch	Luer Lock
MT = 0.5" Tri clamps	Luer Lock
TC = 1-1/2" Tri clamp	Luer Lock

Option: Plugged and Cut off Vent and/or Drains

PureFlo Polypropylene Filter Cartridge Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Length	Input Fitting	Output Fitting	Options
SKL	P = PolyPro Media	003 = 0.3	H = 1.5"	1H = 1/8" Hose bars	1H = 1/8" Hose bars	Blank = Polypropylene -N = No vent or Drain inlet fitting -NI = No vent or Drain inlet fitting -NO = No vent or Drain Outlet fitting
		006 = 0.6	S = 2.5"	1NF = 1/8" FNPT	1NF = 1/8" FNPT	
		010 = 1.0	L = 5"	2C = 1/4" Compression	2C = 1/4" Compression	
		030 = 3.0	K = 10"	2H = 1/4" to 1/2" Hose bars	2H = 1/4" to 1/2" Hose bars	
		050 = 5.0		2HS = 1/4" to 3/8" Hose bars	2HS = 1/4" to 3/8" Hose bars	
		100 = 10.0		2L = Large Female Luer Lock fitting	2L = Large Female Luer Lock fitting	
		200 = 20.0		2N = 1/4" MNPT	2N = 1/4" MNPT	
		300 = 30.0		2NF = 1/4" FNPT	2NF = 1/4" FNPT	
		500 = 50.0		2Q = 1/4" Male Quick Coupling	2Q = 1/4" Male Quick Coupling	
		700 = 70.0		2QF = 1/4" Female Quick Coupling	2QF = 1/4" Female Quick Coupling	
				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 = 0.5" Tri clamps	MT = 0.5" Tri clamps			
		TC = 1-1/2" Tri clamp	TC = 1-1/2" Tri clamp			

Example - 2.5", 3.0 micron Polypropylene Media Capsule, with 1.5" TriClamp fittings would be SKLP030STCTC

Male Quick Couplings are molded, Female Quick Coupling with Plastic latch only will be threaded on, compatible with CPC (Colder), LinkTech and other compatible couplings.

Your Local Distributor:

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