

PureFlo® Microfiber Filter Capsules

PureFlo® Borosilicate Microfiber filter cartridges are highly retentive filters that have a pleated design to maximize surface area. The borosilicate microfiber media in an all polypropylene construction provides excellent chemical compatibility and superior flow per surface area. No adhesives or surfactants are used in the manufacturing process. The Borosilicate Microfiber is "non-fiber releasing".

The borosilicate microfiber is ideally suited for microbial retention. In addition, the media provides superior flow and pressure drop characteristics per surface area. PureFlo Microfiber filter cartridges are well suited for critical applications where superior flow and particle retention for deformable and non-deformable particle removal is required.



Applications	
Prefiltration	Biologics
Serums	Bio-burden reduction
Pharmaceuticals	Retention of deformable particles
Wine Clarification	Inks
Food & Beverage	Cosmetics

Materials of Construction

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

Dimensions (nominal)

Length: 1.5 in (100 mm)
 Length: 2.5 in (125 mm)
 Length: 5.0 in (220 mm)
 Diameter: 2.75 in. (70 mm)

Effective Filtration Area

1.5 in 0.48 ft² (450 cm²)
 2.5 in 1.0 ft² (950 cm²)
 5.0 in 1.8 ft² (1700 cm²)
 7.5 in 2.8 ft² (2650 cm²)
 10 in 3.66 ft² (3400 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.

Features	Benefits
<ul style="list-style-type: none"> ■ Borosilicate Microfiber media (Absolute Rated) 	<ul style="list-style-type: none"> ■ High dirt-loading capacity ■ Natural positive charge ■ Superior process throughputs
<ul style="list-style-type: none"> ■ Wide Chemical & Thermal Compatibility 	<ul style="list-style-type: none"> ■ Provides excellent compatibility ■ No media migration
<ul style="list-style-type: none"> ■ Quality Construction 	<ul style="list-style-type: none"> ■ No adhesives or surfactants ■ Thermowelded construction

PureFlo® Glass Fiber Filter Capsules

PureFlo Glass Fiber Filter Capsule Ordering Guide

Pureflo Capsule Filter	Filter Media	Pore Size	Length	Inlet Fitting	Outlet Fitting	Options
SKL - Capsule Filter with Standard Grade Luer Lock Vent and Drain	G = Glass Fiber	002 = 0.2	H = 1.5"	1C = 1/8" compression (JACO)	1C	Packaging
		004 = 0.45	S = 2.5"	1H = 1/8" Hose Barb	1H	Blank = Bulk Packaged
		010 = 1.0	L = 5"	1N = 1/8" NPTM	1N	- 1 = Single Bagged
		030 = 3.0	E = 7.5"	1NF = 1/8" FNPT	1NF	Grade
		050 = 5.0	K = 10"	1Q = 1/8" Male Quick Coupling	1Q	-Blank = Standard Grade
		100 = 10.0		1QE = 1/8" Male Quick Coupling Elbow	1QE	-B = Biological Reduction Grade
		200 = 20.0	300 = 30.0	1QF = 1/8" Female Quick Coupling	1QF	Shell Material
		300 = 30.0		1QV = 1/8" Quick Valved Coupling	1QV	Blank = Polypropylene
				1QVF = 1/8" Female Quick Valved Coupling	1QVF	- E = Polyethylene Shell (for Gamma Stability)
				2C = 1/4" Compression	2C	-GP = GammaStable Polypropylene Shell
				2H = 1/4"-1/2" Hose Barb	2H	-NY = Nylon Shell
				2H-FB = 1/4" Hose Barb with Filling Bell	2H-FB	Sterilization
				2N = 1/4" MNPT	2N	-ETO = Ethylene Oxide Sterilization
				2NF = 1/4" FNPT	2NF	O-Ring for Quick Connect
				2P = 1/4" Push to Connect	2P	Blank = Silicon
				2PE = 1/4" Pust to Connect Elbow	2PE	-OE = EPDM
				2V = 1/4" Walther Quick Connect	2V	-ON = Nitrile
				3H = 3/8" Hose Barb	3H	-OV = Viton
				3H-FB = 3/8" Hose Barb with Filling Bell	3H-FB	PreFilter (Add before Filter Media)
				3HE = 3/8" Hose Barb Elbow	3HE	G (pore size) = Glass Fiber
				3N = 3/8" MNPT	3N	P (pore size) = Polypropylene
				3NF = 3/8" FNPT	3NF	S (pore size) = PES
				4H = 1/2" Hose Barb	4H	Vent and Drain
				4N = 1/2" MNPT	4N	-N = No Vent or Drain
				4Q = 1/2" Male Quick Coupling	4Q	
		5H = 5/8" Hose Barb	5H			
		8C = 5/16" Compression	8C			
		MT = 1/2" Tri-Clamp	MT			
		TC = 1.5" Tri-Clamp	TC			
		TS = Shower Head	TS			

ZenPure

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