

PureFlo® Glass Microfiber Filter Capsules **ZenPure**

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 aggressive 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.



Materials of Construction

Media: Non-Woven Borosilicate Microfiber
 Pleate Supports: Polypropylene
 Cage, Core, End Caps: Polypropylene
 Fitting Connections: NPT, Couplings
 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 - 0.48 ft² (450 cm²)
 2.5 in - 1.0 ft² (950 cm²)
 5.0 in - 1.8 ft² (1700 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.

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

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 ■ Thermally welded construction

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Inlet/Outlet Fittings	Vent and Drain fittings
1H = 1/8" Hose barbs	Luer Lock
1NF = 1/8" FNPT	Luer Lock
2C = 1/4" Compression	1/4" Comp
2H = 1/4" to 1/2" Hose barbs	Luer Lock
2HS = 1/4" to 3/8" Hose barbs	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 Glass Fiber Filter Cartridge Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Length	Input Fitting	Output Fitting	Options
SKL	G = Glass Microfiber	005 = 0.5 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10.0 200 = 20.0 300 = 30.0	H = 1.5" S = 2.5" L = 5" K = 10"	1H = 1/8" Hose barbs 1NF = 1/8" FNPT 2C = 1/4" Compression 2H = 1/4" to 1/2" Hose barbs 2HS = 1/4" to 3/8" Hose barbs 2L = Large Female Luer Lock fitting 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling 2QF = 1/4" Female Quick Coupling 2QFP = 1/4" Female Quick Coupling with Plastic latch 2QP = 1/4" Male Quick Coupling for Plastic latch 3C = 3/8" Compression 3H = 3/8" Hose Barb 3HE = 3/8" Hose Barb Elbow 3NF = 3/8" FNPT 4C = 1/2" Compression 4H = 1/2" Hose Barb 4N = 1/2" MNPT 4QP = 1/2" Male Quick Coupling for Plastic latch MT = 0.5" Tri clamps TC = 1-1/2" Tri clamp	1H = 1/8" Hose barbs 1NF = 1/8" FNPT 2C = 1/4" Compression 2H = 1/4" to 1/2" Hose barbs 2HS = 1/4" to 3/8" Hose barbs 2L = Large Female Luer Lock fitting 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling 2QF = 1/4" Female Quick Coupling 2QFP = 1/4" Female Quick Coupling with Plastic latch 2QP = 1/4" Male Quick Coupling for Plastic latch 3C = 3/8" Compression 3H = 3/8" Hose Barb 3HE = 3/8" Hose Barb Elbow 3NF = 3/8" FNPT 4C = 1/2" Compression 4H = 1/2" Hose Barb 4N = 1/2" MNPT 4QP = 1/2" Male Quick Coupling for Plastic latch MT = 0.5" Tri clamps TC = 1-1/2" Tri clamp	Blank = Polypropylene -E = Polyethylene Shell and PET media support for Gamma Sterilization -GP = Gamma Stable Polypropylene Shell -N = No vent or Drain fittings -NI = No vent or Drain -NO = No vent or Drain
Example - 2.5", 3.0 micron Glass microfiber Capsule, with 1.5" TriClamp fittings would be SKLG030STCTC						
<small>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.</small>						

Your Local Distributor:

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