

PureFlo® Glass 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 unit 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 unit area. PureFlo Borosilicate 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

Specifications:

Materials of Construction: (Standard Option)	Media: Non-Woven Borosilicate Microfiber Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicone (if applicable) Sealing: Thermal End Capping
Fitting Connections:	See ordering guide for the availability. (Custom adaptors available upon request)
Nominal Dimensions:	Length: 1.5" (38 mm), 2.5" (63 mm), 5" (127 mm), 7.5" (190 mm), and 10" (254 mm) Diameter: 2.8" (73 mm)
Effective Filtration Area: (Single Layer/PP Construction)	1.5": 0.70 ft ² (480 cm ²), 2.5": 1.3 ft ² (940 cm ²), 5.0": 2.6 ft ² (1900 cm ²), 7.5": 4.3 ft ² (2800 cm ²), 10": 5.2 ft ² (3700 cm ²)
Operating Conditions:	Maximum Operating Pressure: Liquid: 5.5 bar (80 psi) at 72 °F/22 °C Gas: 4.1 bar (60 psi) at 72 °F/22 °C Maximum Forward Differential Pressure: 5 bar (72 psi) at 72 °F/22 °C Maximum Reverse Differential Pressure: 2.1 bar (44 psi) at 72 °F/22 °C Minimum Burst Pressure: 8.3 bar (120 psi) at 72 °F/22 °C Maximum Operating Temperature: PP & Gamma PP: 176°F/80°C HDPE: 140°F/60°C

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PureFlo Glass Fiber Filter Cartridge Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size	Length	Inlet Fitting	Outlet Fitting	Options	
SKL = Capsule filter Standard grade Luer lock vent/drain SKP = Capsule filter Standard grade M8 Plug vent/ drain <u>Limited Options</u>	G = Glass Fiber	U = ULPA H = HEPA 002 = 0.2 µm 004 = 0.45 µm 005 = 0.5 µm 010 = 1.0 µm 030 = 3.0 µm 050 = 5.0 µm 100 = 10 µm 200 = 20 µm 300 = 30 µm <i>Best for Gas Applications</i>	H = 1.5" S = 2.5" L = 5.0" E = 7.5" K = 10"	1H 1N 1NF 1Q 1QF 1QFV 1QV 2C 2H 2HS 2LF 2N 2NF 2P 2PE 2Q 2QF 2QFP 2QFV 2QP 2QV 2V 3C 3H 3HE 3NF 4C 4H 4N 4Q 8C MT RM RT SM ST TC	1H = 1/8" Hose barbs 1N = 1/8" MNPT 1NF = 1/8" FNPT 1Q = 1/8" Male quick coupling with metal latch 1QF = 1/8" Female quick coupling with metal latch 1QFV = 1/8" Female valved quick coupling with metal latch 1QV = 1/8" Male valved quick coupling with metal latch 2C = 1/4" Compression 2H = 1/4" to 1/2" Hose barbs 2HS = 1/4" to 3/8" Hose barbs 2LF = Large female luer lock fitting 2N = 1/4" MNPT 2NF = 1/4" FNPT *2P = 1/4" Push to connect *2PE = 1/4" Push to connect elbow 2Q = 1/4" Male quick coupling for metal latch 2QF = 1/4" Female quick coupling with metal latch *2QFP = 1/4" Female quick coupling with plastic latch 2QFV = 1/4" Female valved quick coupling with metal latch 2QP = 1/4" Male quick coupling for plastic latch 2QV = 1/4" Male valved quick coupling with metal latch 2V = 1/4" Walther quick connect 3C = 3/8" Compression 3H = 3/8" Hose barb 3HE = 3/8" Hose barb elbow 3H-FB = 3/8" Hose barb with filling bell or - FC with cap 3NF = 3/8" FNPT 4C = 1/2" Compression 4H = 1/2" Hose barb 4N = 1/2" MNPT 4Q = 1/2" Male quick coupling for plastic latch 8C = 5/16" Compression MT = 1/2" Tri clamps RM = 1/2" Tri clamp with full SS insert ring RT = 1 ½" Tri clamp with full SS insert ring SM = 1/2" Trip clamp with SS insert ring ST = 1 ½" Tri clamp with SS insert ring TC = 1 ½" Tri clamp TS = Shower head	(1) Prefilter (Add Before Filter Media In Part#)	(2) Vent & Drain
						G(pore Size) = Glass fiber prefilter P(pore Size) = PolyPro media prefilter S(pore Size) = PES prefilter	-N = No vent or drain fittings -NI = No vent or drain inlet fitting -NO = No vent or drain outlet fitting
						(3) Construction Materials	(4) O-Ring
						Blank = Polypropylene -E = Polyethylene shell and media support -GP = Gamma stable polypropylene shell and polyester media support -NY = Nylon shell and media support -WP = White polypropylene shell and polypropylene media support	Blank = O-ring silicone (standard) -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton
						(5) Grade	(6) Sterilization
						Blank = Standard grade -B = Biological reduction grade -PH = Pharma grade	-ETO = Ethylene oxide sterilization

Example - SKL capsule, Glass Fiber membrane, 2.5" internal filter, 0.2 µm, with 1.5" Tri-Clamp fittings would be **SKLG002STCTC**

*Fittings installed by threaded connection. All others are thermally bonded to or molded on shell.
Note: Quick couplings are compatible with CPC (Colder), LinkTech, and others.