

PureFlo® Glass Microfiber Mini Filter Cartridge (Glass Fiber/PP Construction)

Versatile Small Cartridge Filter

PureFlo® Glass Microfiber mini filter cartridges are highly retentive filters that have been specially designed for critical high loading applications. The filter is made using a borosilicate microfiber in an all-polypropylene construction that provides excellent chemical compatibility. The filter is designed for superior flow per surface area as compared to other cartridges. No adhesives, binders or surfactants are used in the filter manufacturing process. The borosilicate microfiber is a non-fiber releasing media.

The PureFlo® Glass Microfiber mini cartridge is ideally-suited for microbial reduction. In addition to the high loading capacity, they have low pressure drop characteristics for liquid and gas filtration applications. These microfiber mini filter cartridges are well-suited for applications where deformable and non-deformable particle removals are required.

We are currently offering eight different media sizes with five different end adaptors and three different length options to meet the needs of a wide variety of processes. The Glass fiber media can also be added as a pre-filter layer to membrane filter in a cartridge or capsule.



Retrofits Code 2230, 4463, 4440 & SLK

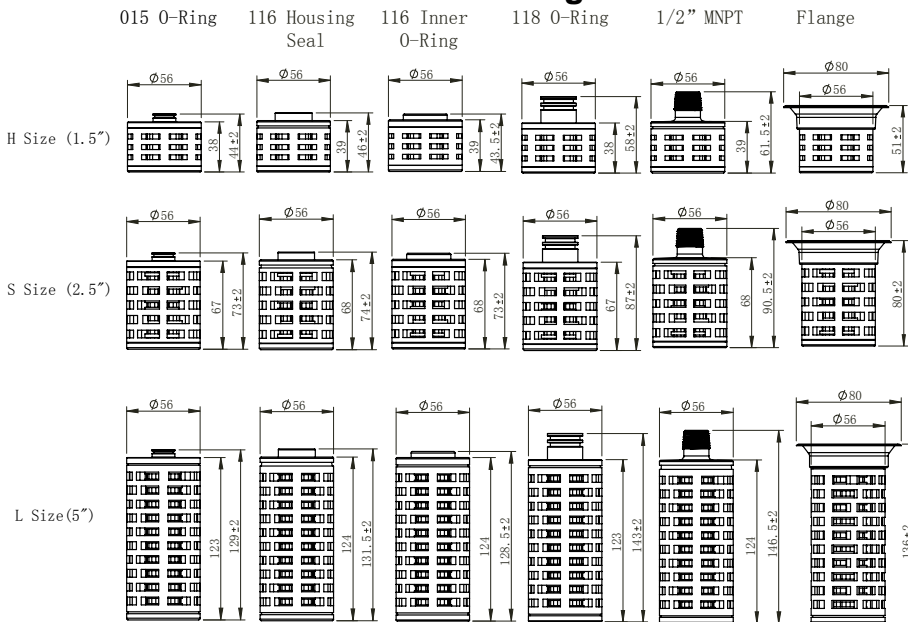
Applications	
Buffers and Media	Fermentation clarification
Cell Harvesting	Venting
Pre-Filtration	Pharmaceuticals
Vaccines	Biologics
Gas Filtration	Scale up Processing
Ink Jets	Acids and Bases

Specification

Materials of Construction:	Media: Borosilicate Glass Microfiber Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicon (Standard), EPDM, Buna N, TES, Fluro-Elastomer Sealing: Thermally welded
Nominal Dimensions:	Lengths: 1.5 in (38mm), 2.5 in (75 mm), 5 in. (135 mm) Diameter: 2.2 in. (56 mm)
Effective Filtration Area:	0.48 ft ² (450 cm ²) per 1.5" cartridge 0.70 ft ² (950 cm ²) per 2.5" cartridge 1.83 ft ² (1700 cm ²) per 5.0" cartridge
Available Ratings:	0.45um to 30um (see Ordering Guide)
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
Regulatory Compliance:	The filters are constructed with polypropylene resins and filtration media in compliance with USP Class VI Biological Test for Plastics.

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PureFlo Mini Filter Cartridge Series Sizes and End Configuration



Flange End Modification

Specifications (cont.)

Sanitization:

The filters can be sterilized by autoclaving for up to 25 cycles at 125°C (250°F) for 60 minutes. The filters can also be sanitized by steam-in-place procedure at 135°C (275°F) for three 20 minute cycles at less than 0.3 bar differential pressure. The filters are also sanitized by hot water or common chemicals that are compatible with glassfiber and polypropylene.

PureFlo Glass MicroFiber Mini Filter Cartridge Ordering Guide

PureFlo Mini Glass Microfiber Filter Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty
NMG = Mini Glass Microfiber Cartridge	005 = 0.5um	A = 116 Inner O-Ring	H = 1.5"	E = EPDM	2P = 2pc/ pack (5")
	010 = 1.0um	C = 015 O-Ring	S = 2.5"	N = Buna N	
	030 = 3.0um	D = 1/2" MNPT	L = 5"	S = Silicone	
	050 = 5.0um	E = 118 O-Ring		V = Viton	Option - 5 = SS Support (Code A only)
	100 = 10 um	F = Flange*		O = O-Ringless Seal	
	200 = 20 um	N = 116 Inner Housing Seal			
300 = 30 um					

Example - A 3 pack of 2.5", 3 micron filters with 116 Internal EPDM o-ring would be **NMG030ASE3P**

* - F end modification is compatible to fit in a PALL SealKleen™ Housing

Your Local Distributor:



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