

PureFlo® Nylon Mini Filter Cartridges

ZenPure

PureFlo® nylon mini filter cartridges are highly retentive, naturally hydrophilic nylon membrane filters that have been specially designed for critical applications. The nylon membrane in an all-polypropylene construction provides excellent chemical compatibility and superior flow per surface area as compared to other membrane cartridges. No adhesives, binders, or surfactants are used in the manufacturing process and all cartridges are rinsed with high-purity water to reduce extractables and downtime.

The naturally hydrophilic nylon membrane does not require pre-wetting with IPA and flushing with DI water, thereby eliminating a potential source of contamination and hazardous waste. In addition, unlike hydrophobic membrane such as PTFE, the hydrophilic membrane of nylon reduces the potential for bubble formation by not de-wetting in outgassing fluids. All filter cartridges are 100% integrity tested to ensure filter performance each and every time out of the package. PureFlo nylon mini filter cartridges are well-suited for critical applications where superior flow and particle removal efficiency at 0.1, 0.2, 0.45, 0.65, and 1.0 micron is required.



Materials of Construction

Membrane: Naturally Hydrophilic Nylon
 Membrane Supports: Polypropylene
 Cage, Core, End Caps: Polypropylene
 O-Rings: Silicone, EPDM, Fluoro-Elastomer, Buna N

Dimensions (nominal)

Lengths: 1.5 in (38mm), 2.5 in (75 mm), 5 in. (135 mm)
 Diameter: 2.2 in. (56 mm)

Effective Filtration Area

0.78 ft² (720 cm²) per 1.5" cartridge
 1.3 ft² (1380 cm²) per 2.5" cartridge
 2.6 ft² (2600 cm²) per 5.0" cartridge

Operating Conditions

Maximum Forward Differential Pressure:
 4.5 bar (65 psid) at 20 °C
 Maximum Reverse Differential Pressure:
 3.0 bar (44 psid) at 20 °C
 Maximum Operating Temperature: 70° C

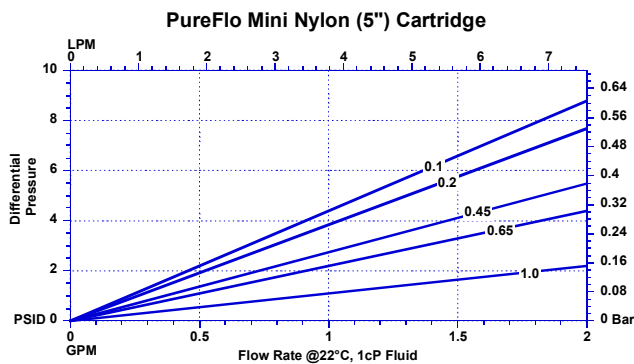
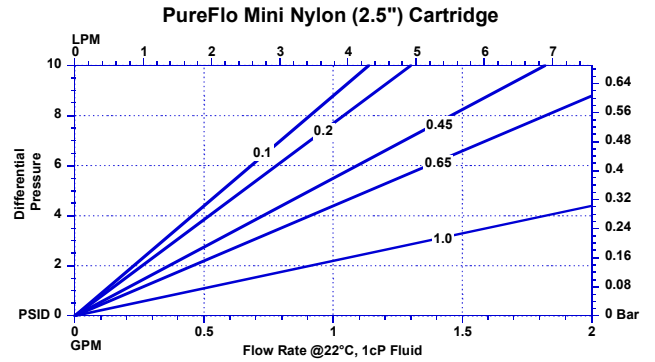
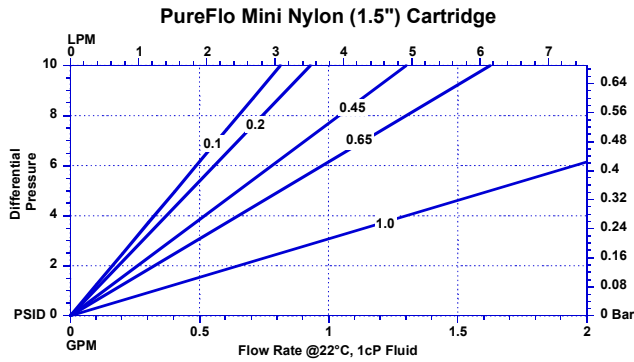
Regulatory Compliance

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 Plastic

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

Retrofits Code 2230, 4463, 4440 & SLK

Features	Benefits
<ul style="list-style-type: none"> Naturally Hydrophilic Nylon Membrane (Absolute Rated) 	<ul style="list-style-type: none"> IPA pre-wetting not required – thereby eliminating a potential source of contamination and disposal waste Reduces downtime and improves throughput Economic alternative to PTFE and PVDF filters No de-wetting in outgassing fluids
<ul style="list-style-type: none"> Wide Chemical & Thermal Compatibility 	<ul style="list-style-type: none"> Provides excellent compatibility with a wide range of chemicals
<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



Flange End Modification

PureFlo Nylon Mini Filter Cartridge Ordering Guide

PureFlo Mini Nylon Filter Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty
MMN = Mini Nylon Cartridge	010 = 0.10 micron 020 = 0.20 micron 050 = 0.45 micron 065 = 0.65 micron 100 = 1.0 micron	A = 116 Inner O-Ring C = 015 O-Ring E = 118 O-Ring F = Flange* N = 116 Inner Housing seal	H = 1.5" S = 2.5" L = 5"	E = EPDM N = Buna N S = Silicone V = Fluoro-Elastomer O = O-Ringless Seal	2P = 2pc/ pack (5") 3P = 3pc/ pack (1.5" and 2.5")
Example - A 3 pack of 2.5", 0.1 micron filters with 2-015 EPDM o-ring would be MMN010CSE3P					
* - F end modification is compatible to fit in a PALL SealKleen™ Housing					

Your Local Distributor:

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