



PureFlo Polypro Mini Filter Cartridges

PureFlo polypropylene mini filter cartridges are highly retentive graded porosity polypropylene media filters that have been specially designed for clarification and pre-filtration applications.

The graded porosity design removes particles in sequence by size – larger particles by the more open outer layers and smaller particles by the tighter inner layers. The outer layers act as a pre-filter while the inner layers provide the absolute rating at the specified pore size. This efficiently spreads the contaminants throughout the media matrix resulting in superior contaminant holding capacity, lifetime, and pressure drop as compared to other media cartridges. No adhesives, binders, or surfactants are used in the manufacturing process. The non-woven media does not allow for migration into the process fluid, thereby reducing the potential for extractables and downtime. Furthermore, the all-polypropylene construction provides excellent thermal and chemical compatibility with low and high pH chemicals.

PureFlo polypropylene mini filter cartridges are absolute-rated to ensure consistent filter performance each and every time out of the package at 0.3, 0.6, 1, 3, 5, 7, 10, 30, 50 and 70 microns.

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



Materials of Construction

Media: Graded Porosity Non-Woven Polypropylene
 Media Supports: Polypropylene
 Cage, Core, End Caps: Polypropylene
 O-Rings: Silicone, EPDM, Fluoro-elastomer, Buna N

Dimensions (nominal)

Lengths: 1.5in (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 (1200 cm²) per 2.5" cartridge
 2.6 ft² (2400 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: 80° C

Regulatory Compliance

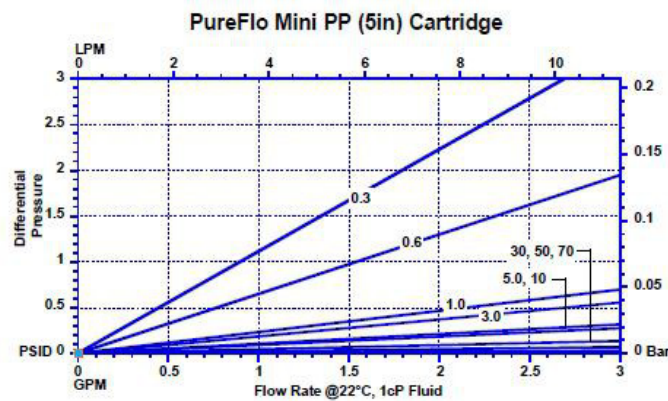
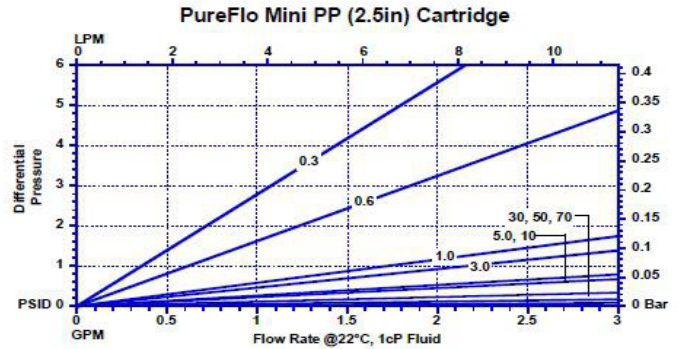
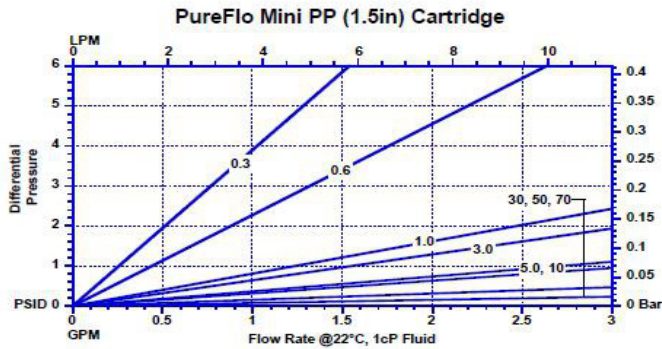
Manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations and USP Class VI Biological test for Plastics

Retrofits Code 2230, 4463, 4440 & SLK

Features	Benefits
<ul style="list-style-type: none"> Graded Porosity Pleated Polypropylene Media 	<ul style="list-style-type: none"> Media matrix removes particles in sequence by size – larger particles by the more open outer layers and smaller particles by the tighter inner layers High flow rates and low pressure drops Superior filter lifetime and process throughputs
<ul style="list-style-type: none"> 100% Polypropylene Construction 	<ul style="list-style-type: none"> Excellent thermal and chemical compatibility No media migration
<ul style="list-style-type: none"> Absolute-Rated Filter Performance 	<ul style="list-style-type: none"> Consistent and reproducible particulate removal
<ul style="list-style-type: none"> Low Filter Extractables 	<ul style="list-style-type: none"> No adhesives, binders, or surfactants used Excellent downstream cleanliness reduces start-up time



PureFlo® Polypro Mini Filter Cartridges



Flange End Modification

PureFlo Polypropylene Filter Cartridge Ordering Guide

PureFlo Mini PP Filter Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty
NMP = Mini PP Cartridge	003 = 0.3um 006 = 0.6um 010 = 1.0um 030 = 3.0um 050 = 5.0um 070 = 7.0um 100 = 10 um 300 = 30 um 500 = 50 um 700 = 70 um	A = 116 Inner O-Ring C = 015 O-Ring D = 1/2" MNPT E = 118 O-Ring F = Flange* N = 116 Inner Housing Seal	, = 1.5" S = 2.5" L = 5"	E = EPDM N = Buna N S = Silicone V = Viton O = O-Ringless Seal	2P = 2pc/ pack (5") 3P = 3pc/ pack (1.5" and 2.5")

Example - A 3 pack of 2.5", 3 micron filters with 116 Internal EPDM o-ring would be **NMP030ASE3P**

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



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