

## PureFlo® Charged Nylon Mini Filter Cartridge (Charged Nylon/PP Construction)

### High Contaminant Removal

PureFlo® Charged Nylon cartridge filters are designed to remove particle smaller than its rated pore size with the power of electrical attraction (adsorption/adhesion). Many particles in water and other liquids have a negative charge that can be captured by attraction to a positively charged filter. This combined with particle size exclusion (sieving) process and impaction/ interception particle capture mechanism make this charged nylon filter extremely efficient.

The PureFlo® Charged Nylon cartridges are naturally hydrophilic nylon membrane filters with a Polyester support layer for added wettability of the membrane. 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. All filter cartridges are 100% integrity tested to ensure filter performance each and every time out of the package.



Retrofits Code 2230, 4463, 4440 & SLK

### Applications

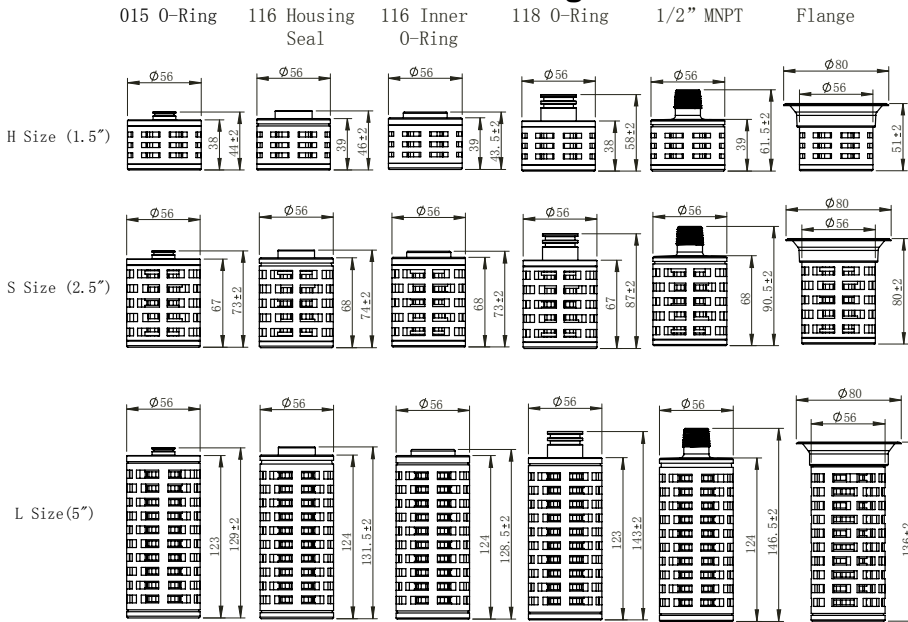
DI Water	UltraPure Water
Critical arts Cleaning	Endotoxin Minimization
Fine Chemicals	Plating Solutions

### Specification

Materials of Construction:	Media: Charged Nylon 6,6 membrane (hydrophilic) Media Supports: Polyester 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:	0.77 ft <sup>2</sup> (720 cm <sup>2</sup> ) per 1.5" cartridge 1.48 ft <sup>2</sup> (1380 cm <sup>2</sup> ) per 2.5" cartridge 2.80 ft <sup>2</sup> (2600 cm <sup>2</sup> ) per 5.0" cartridge
Available Ratings:	0.1um, 0.2um, 0.45um, 0.65um and 1.0um
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:	The filters are constructed with polypropylene resins and filtration media in compliance with USP Class VI Biological Test for Plastics.

## PureFlo® Charged Nylon Mini Filter Cartridge

### 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 nylon, polyester and polypropylene.

### PureFlo Charged Nylon Mini Filter Cartridge Ordering Guide

PureFlo Mini Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty
EMN = Mini Charged Nylon Cartridge	010 = 0.10 micron	A = 116 Inner O-Ring	H = 1.5"	E = EPDM	2P = 2pc/ pack (5")
	020 = 0.20 micron	C = 015 O-Ring	S = 2.5"	N = Buna N	3P = 3pc/ pack (1.5" and 2.5")
	050 = 0.45 micron	D = 1/2" MNPT	L = 5"	S = Silicone	<b>Option</b>
	065 = 0.65 micron	E = 118 O-Ring		V = Fluoro-Elastomer	- 5 = SS Support
	100 = 1.0 micron	F = Flange*		O = O-Ringless Seal	
		N = 116 Inner Housing Seal			

**Example** - A 3 pack of 2.5", 0.1 micorn filters with 2-015 EPDM o-ring would be **EMNO10CSE3P**

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

Your Local Distributor:

## ZenPure

North & South Americas :  
ZenPure Americas, Inc.  
www.zenpure.com  
Info-us@zenpure.com  
703-335-9910

All Other Regions:  
ZenPure Corporation  
www.zenpure.com  
info@zenpure.com  
+86 571 2288 6800

ZenPure and PureFlo are registered trademarks of ZenPure Corporation or an affiliated company. Copyright 2003-2010 ZenPure or an affiliated company. All rights reserved.

