



PPA Series

Pleated Polypropylene Absolute Rated Filter Cartridge



Delta Pure's PPA Cartridges are designed for use in applications where high purity and high efficiency filtration are required. With 6.5 square feet of filtration media per 10 inch length, the PPA Cartridge provides an economical solution for critical applications.



PPA cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. They make an ideal membrane pre-filter and can also be used as an alternative to membrane filters in some applications. PPA cartridges deliver high flow rates with minimal pressure drop. Various end cap configurations are available to fit most standard and sanitary housings.

Benefits

- Absolute Rated for Reliable Performance**
- Continuous Lengths to 40"**
- Can be Sanitized/Sterilized**
- High Purity Construction—FDA listed Materials**
- Large Surface Area for Long Cartridge Life**
- Wide Chemical Compatibility**

Applications

- Food & Beverage**
- Photographic**
- Deionized Water**
- R.O. Membrane**
- Pre-filtration**
- Process Water**
- Fine Chemicals**
- Plating/Anodizing**
- Wastewater**
- Electronics**

PPA Series
Pleated Propylene Absolute
Rated Filter Cartridge

Specifications

Construction Materials

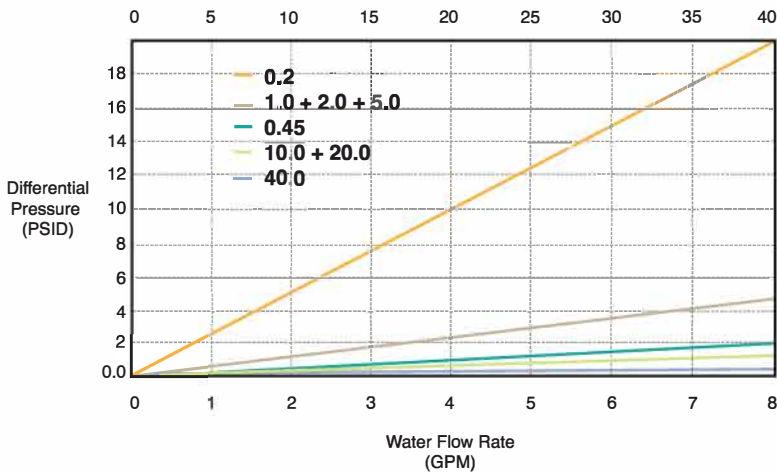
Filtration Media Polypropylene
Support Media Polypropylene
End Caps Polypropylene
Center Core Polypropylene
Outer Support Cage Polypropylene
O-Rings/Gaskets: Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Sanitization/Sterilization

Filtered Hot Water 80°C for 30 Minutes
Steam Sterilization. 121°C for 30 min, multiplecycles
Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.

Note: Stainless Insert option required for all cartridges being hot water sanitized or steam sterilized.

Pressure Drop vs. Flow Rate
10 inch (250 mm) Cartridges; Water Flow Rate (LPM)



Dimensions

Length:
 10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:
 2.75 inches (7.0 cm) nominal

Maximum Recommended Operating Conditions:
 Change Out Δ P=35 PSI
 Temperature 176°F (80°C)

FDA Listed Materials

Manufactured from materials which meet CFR for potable and edible liquid contact.

Toxicity:
 All polypropylene components meet the specifications for biological safety per USP Class VI - 121°C for plastics.

Efficiency
 99.98% (Beta 5000)



Model Code/Ordering Information

CARTRIDGE TYPE	PORE SIZE	LENGTH	END CAP CODES	O-RINGS/GASKETS	OPTIONS
PPA – Pleated Polypropylene Absolute Filter Cartridge	0.2	10 (25.4cm)	2 - DOE - Flat Gasket	B - Buna E - EPDM S - Silicone V - Viton T - Teflon Encapsulated Viton	I - Stainless Steel Insert HP - Heavy Poly Core
	0.45	20 (50.8cm)	3 - 222 w/Fin		
	1.0	30 (76.2cm)	4 - 222 w/ Flat Cap		
	2.0	40 (101.6cm)	5 - 222 w/ Spring		
	5.0		6 - 226 w/ Fin		
	10.0		7 - 226 w/ Spring		
	20.0		8 - 226 w/ Spring		
	40.0		10 - DOE w/ extended core		
		16 - 213 Internal O-Ring			

EXAMPLE: PPA-5-30-4-S

5 MICRON, 30", 222 w/ Flat Cap, Silicone O-rings

MADE IN USA