



PPA Series

Pleated Polypropylene Absolute Rate Filter Cartridge



Delta Pure's PPA Cartridges are designed for use in most applications where absolute rated pleated filtration is 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**

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,
 multiple cycles
 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.*

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)

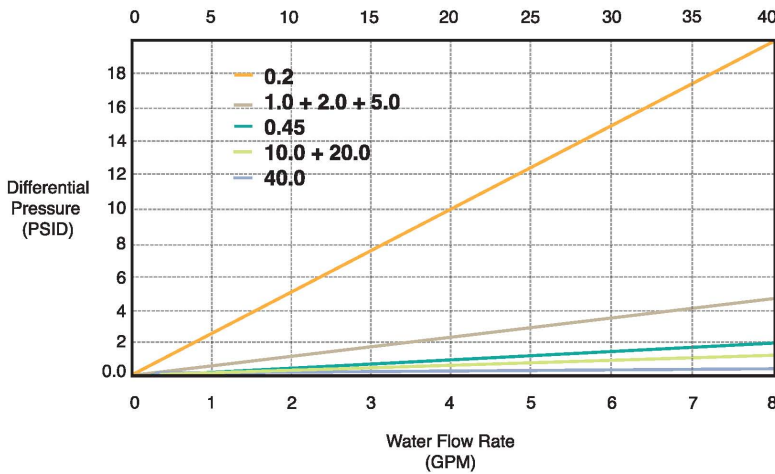
FDA Listed Materials

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.



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



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		16 - 213 Internal O-Ring		

EXAMPLE: PPA-5-30-4-S
MADE IN USA