

POLYDEPTH®  
POLYPROPYLENE  
CARTRIDGES

## POLYDEPTH® POLYPROPYLENE CARTRIDGE

- Thermally bonded polypropylene micro-fiber construction for higher filtration efficiency
- Consistent flow rate and superior filtration performance
- Available in a wide range of micron ratings and lengths
- Will not impart taste, odor or color to water being filtered
- Ideal for a wide variety of industrial filtration

The POLYDEPTH® filtration cartridge is constructed of thermally bonded polypropylene microfibers to ensure high efficiency. The filter incorporates a rigid polypropylene center core for increased collapse strength and durability. This thermal bonded micro-fiber construction has minimal fiber release, consistent flow rate and superior filtration performance. It also is not brittle or prone to breakage problems like resin-bonded cartridges.

Unique micro-grooves provide added surface area. The polydepth cartridge will not impart taste, odor or color to the liquid being filtered, which makes it ideal for food and beverage applications. The

recommended temperature limit of 40° F to 175° F (4.4° C to 79.4° C) allows it to be used in many hot water applications. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

Available in different lengths from 9¾" up to 40". Unlike competitive cartridges, the longer lengths are not manufactured from shorter cartridges that are glued together. They are continuous units that cannot separate during use. POLYDEPTH cartridges are available in various micron ratings including 1-, 5-, 10-, 25-, and 50-microns.



POLYDEPTH®  
Polypropylene  
Sediment  
Cartridges

Distributed By:

**APPLIED  
MEMBRANES INC.®**

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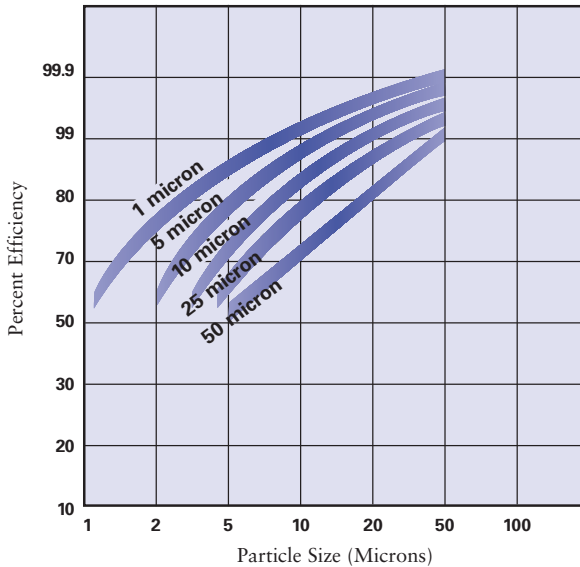


**PENTEK**  
FILTRATION

Pure Quality.™

# POLYDEPTH®

## Polypropylene Sediment Cartridge



(For pressure drop see table below)



### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
PD-1-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	1	All 9-7/8" cartridges are rated at <2 psid @ 2 gpm (0.14 bar @ 7.6 L/min)
PD-1-20	2-1/2" x 20" (64 mm x 510 mm)	1	
PD-1-30	2-1/2" x 30" (64 mm x 763 mm)	1	
PD-1-40	2-1/2" x 40" (64 mm x 1017 mm)	1	
PD-5-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	5	All 20" cartridges are rated at <2 psid @ 5 gpm (0.14 bar @ 19 L/min)
PD-5-20	2-1/2" x 20" (64 mm x 510 mm)	5	
PD-5-30	2-1/2" x 30" (64 mm x 763 mm)	5	
PD-5-40	2-1/2" x 40" (64 mm x 1017 mm)	5	
PD-10-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	10	All 30" cartridges are rated at <2 psid @ 7 gpm (0.14 bar @ 26.5 L/min)
PD-10-20	2-1/2" x 20" (64 mm x 510 mm)	10	
PD-25-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	25	
PD-25-20	2-1/2" x 20" (64 mm x 510 mm)	25	
PD-25-30	2-1/2" x 30" (64 mm x 763 mm)	25	All 40" cartridges are rated at <2 psid @ 9 gpm (0.14 bar @ 34 L/min)
PD-25-40	2-1/2" x 40" (64 mm x 1017 mm)	25	
PD-50-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	50	
PD-50-20	2-1/2" x 20" (64 mm x 510 mm)	50	

### Materials of Construction

- Filter Media Polypropylene
- Temperature Rating 40°F to 175°F (4.4° to 79.4°C)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

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