



POLYDEPTH® SERIES 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.

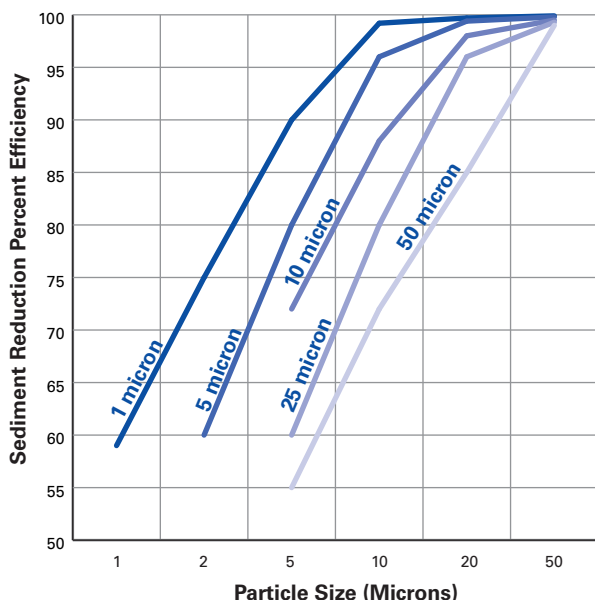
Available in different lengths from 9¾" up to 40". Unlike competitive cartridges, the longer lengths are not manufactured by gluing shorter cartridges together. They are continuous cartridges that cannot separate during use and do not sacrifice filtering surface area. POLYDEPTH cartridges are available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



PENTEK
Pentair Water

POLYDEPTH® SERIES

Polypropylene Cartridges



Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating* (nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
PD-1-934	2½" x 9¾" (64 mm x 251 mm)	1	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-5-934	2½" x 9¾" (64 mm x 251 mm)	5	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-10-934	2½" x 9¾" (64 mm x 251 mm)	10	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-25-934	2½" x 9¾" (64 mm x 251 mm)	25	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-50-934	2½" x 9¾" (64 mm x 251 mm)	50	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-1-20	2½" x 20" (64 mm x 510 mm)	1	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-5-20	2½" x 20" (64 mm x 510 mm)	5	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-10-20	2½" x 20" (64 mm x 510 mm)	10	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-25-20	2½" x 20" (64 mm x 510 mm)	25	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-50-20	2½" x 20" (64 mm x 510 mm)	50	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-1-30	2½" x 30" (64 mm x 763 mm)	1	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-5-30	2½" x 30" (64 mm x 763 mm)	5	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-25-30	2½" x 30" (64 mm x 763 mm)	25	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-1-40	2½" x 40" (64 mm x 1017 mm)	1	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)
PD-5-40	2½" x 40" (64 mm x 1017 mm)	5	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)
PD-25-40	2½" x 40" (64 mm x 1017 mm)	25	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)

* Not Performance Tested or Certified by NSF.

Materials of Construction

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

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



The PD-1-934, PD-5-934, PD-10-934, PD-25-934, PD-50-934, PD-1-20, PD-5-20, PD-10-20, PD-25-20 and PD-50-20 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

