



Hardy Filtration

Integrated filtration solutions: air, water & oil



Polydepth Series – Polypropylene Sediment Cartridges

AMETEK

Description

Polypropylene Sediment Cartridges

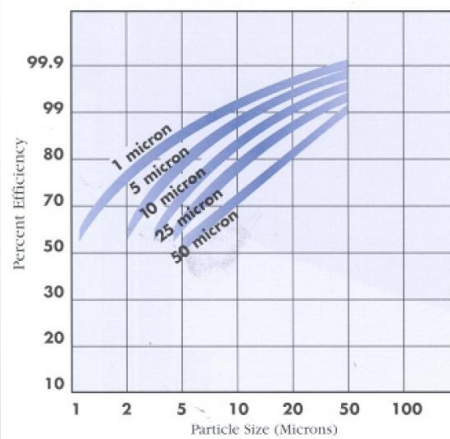
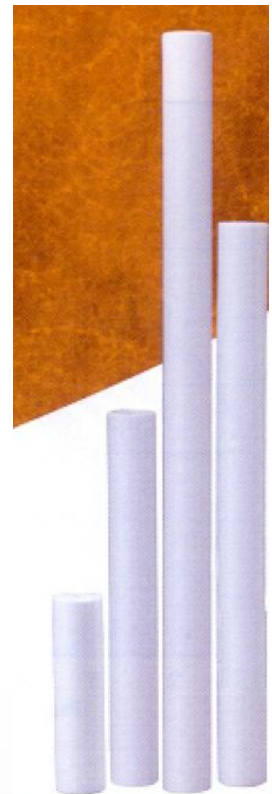
- » Construction of quality polypropylene filter media for higher filtration efficiency
- » Thermal bonded micro-fiber construction.
- » Consistent flow rate and superior filtration performance.

The New Polydepth™ filtration cartridge is constructed of quality polypropylene filter media to ensure high efficiency in the inner layer. The polypropylene filter media is thermally bonded and incorporates a rigid polypropylene center core for increased durability. This thermal bonded micro-fiber construction offers no fiber release, consistent flow rate and superior filtration performance. It also produces a rigid cartridge that is less subject to collapse than any wound or pleated cartridge, yet is not brittle or prone to breakage problems common with resin-bonded cartridges.

Unique micro-grooves provide added surface area. The clean white polypropylene fiber construction will not impart taste, odor or color to the liquid being filtered when used within the recommended temperature limit of 40°F to 175°F (4.4°C to 79.4°C). Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

Available in different lengths from 9-3/4" 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.



(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	<0.05 psi @ 5 gpm (<0.003 bar @ 19 lpm)
PD-1-20	2-1/2" x 20" (64 mm x 510 mm)	1	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-1-30	2-1/2" x 30" (64 mm x 763 mm)	1	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-1-40	2-1/2" x 40" (64 mm x 1017 mm)	1	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-5-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	5	<0.05 psi @ 8 gpm (<0.003 bar @ 30 lpm)
PD-5-20	2-1/2" x 20" (64 mm x 510 mm)	5	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-5-30	2-1/2" x 30" (64 mm x 763 mm)	5	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-5-40	2-1/2" x 40" (64 mm x 1017 mm)	5	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-10-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	10	<0.05 psi @ 8 gpm (<0.003 bar @ 30 lpm)
PD-10-20	2-1/2" x 20" (64 mm x 510 mm)	10	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-10-30	2-1/2" x 30" (64 mm x 763 mm)	10	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-10-40	2-1/2" x 40" (64 mm x 1017 mm)	10	<0.05 psi @ 16 gpm (<0.003 bar @ 60 lpm)
PD-25-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	25	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-25-20	2-1/2" x 20" (64 mm x 510 mm)	25	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-25-30	2-1/2" x 30" (64 mm x 763 mm)	25	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-25-40	2-1/2" x 40" (64 mm x 1017 mm)	25	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-50-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	50	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-50-20	2-1/2" x 20" (64 mm x 510 mm)	50	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-50-30	2-1/2" x 30" (64 mm x 763 mm)	50	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)
PD-50-40	2-1/2" x 40" (64 mm x 1017 mm)	50	<0.05 psi @ 10 gpm (<0.003 bar @ 38 lpm)

*Nominal micron ratings 2 gpm flow rate.

Materials of Construction

Filter Media: Polypropylene

Temperature Rating: 128°F (52°C)

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