


HYDRONIX™
 WATER TECHNOLOGY

SDC SERIES
Sediment Depth Cartridges


- Manufactured from 100% pure Polypropylene
- Graded density for higher dirt holding capacity

HYDRONIX SDC SERIES 2.5" DIAMETER CARTRIDGES

The Hydronix Series 2.5" diameter SDC cartridge's coreless design is an economical solution to pre-filtration for many applications. They are used widely as pre-filtration for RO systems and post-filtration for GAC filters. They are also used in applications such as ice machines, film processing, beverage, coffee, analytical, wineries, and many others.

HYDRONIX SDC SERIES 4.5" DIAMETER CARTRIDGES

Our 4.5" diameter SDC Series Cartridges have true multi-stage depth filtration integrated into their design. Utilizing four separate layers of micron filtration, outside-in flow allows the outer layer to trap the larger sized particles, resulting in a much lower pressure drop compared to conventional filters. Trapping various sized particles layer-by-layer, our SDC Series Cartridges provide a much higher dirt holding capacity than standard spun Polypropylene and string wound cartridges.

PRODUCT APPLICATIONS

- Electroplating, etching, and image developing processes in PCB Industry
- Filtration for electroplating industry
- Pre-filter for DI and RO water filtration systems
- Pre-filtration for low viscosity chemicals
- Pre-filtration for manufacturing and water recycling
- Certified NSF Standard 42/FDA approved material

SDC SERIES

Sediment Depth Cartridges

Materials of Construction

Filter Media: Polypropylene
 Temperature Range: 40°F to 145°F (4.4°C to 62.8°C)

Operating Data

Max. operating temperature: 145°F (63°C)
 Max. pressure drop: 69°F (20°C) 46.4 psi (3.2 kg/cm²)
 Recommended replaceable pressure drop: 21.75 PSI (1.5 kg/cm²)
 Temperature range: 40°F to 145°F (4.4°C to 62.8°C)
 Maximum flow: 2-8 GPM (Depending on micron rating)

2.5" DIAMETER SPECIFICATIONS

Item Number	Description	Micron Rating Nominal	Initial ΔP (psi) at Flow Rate (gpm)
SDC-25-0501	2.5" X 4 7/8"	1	0.3 psi at 2 gpm
SDC-25-0505	2.5" X 4 7/8"	5	0.3 psi at 2 gpm
SDC-25-1001	2.5" X 9 7/8"	1	0.6 psi at 5 gpm
SDC-25-1005	2.5" X 9 7/8"	5	0.4 psi at 5 gpm
SDC-25-1010	2.5" X 9 7/8"	10	0.2 psi at 5 gpm
SDC-25-1020	2.5" X 9 7/8"	20	0.2 psi at 5 gpm
SDC-25-1050	2.5" X 9 7/8"	50	0.2 psi at 5 gpm
SDC-25-2001	2.5" X 20"	1	0.6 psi at 10 gpm
SDC-25-2005	2.5" X 20"	5	0.4 psi at 10 gpm
SDC-25-2010	2.5" X 20"	10	0.3 psi at 10 gpm
SDC-25-2020	2.5" X 20"	20	0.3 psi at 10 gpm
SDC-25-2050	2.5" X 20"	50	0.3 psi at 10 gpm
SDC-25-3001	2.5" X 30"	1	0.4 psi at 15 gpm
SDC-25-3005	2.5" x 30"	5	0.3 psi at 15 gpm
SDC-25-3010	2.5" x 30"	10	
SDC-25-3025	2.5" x 30"	25	
SDC-25-3075	2.5" X 30"	75	
SDC-25-4001	2.5" X 40"	1	0.3 psi at 20 gpm
SDC-25-4005	2.5" X 40"	5	0.3 psi at 20 gpm
SDC-25-4025	2.5" X 40"	25	0.2 psi at 20 gpm
SDC-25-4075	2.5" X 40"	75	0.2 psi at 20 gpm

4.5" DIAMETER SPECIFICATIONS

Item Number	Description	Micron Rating Nominal	Initial ΔP (psi) at Flow Rate (gpm)
SDC-45-1001	4.5" X 9 7/8"	25 ~ 1	1 psi at 10 gpm
SDC-45-1005	4.5" X 9 7/8"	50 ~ 5	1 psi at 10 gpm
SDC-45-1010	4.5" X 9 7/8"	75 ~ 10	1 psi at 10 gpm
SDC-45-1020	4.5" X 9 7/8"	100 ~ 20	1 psi at 10 gpm
SDC-45-1050	4.5" X 9 7/8"	150 ~ 50	1 psi at 10 gpm
SDC-45-2001	4.5" X 20"	25 ~ 1	1 psi at 20 gpm
SDC-45-2005	4.5" X 20"	50 ~ 5	1 psi at 20 gpm
SDC-45-2010	4.5" X 20"	75 ~ 10	1 psi at 20 gpm
SDC-45-2020	4.5" X 20"	100 ~ 20	1 psi at 20 gpm
SDC-45-2050	4.5" X 20"	150 ~ 50	1 psi at 20 gpm

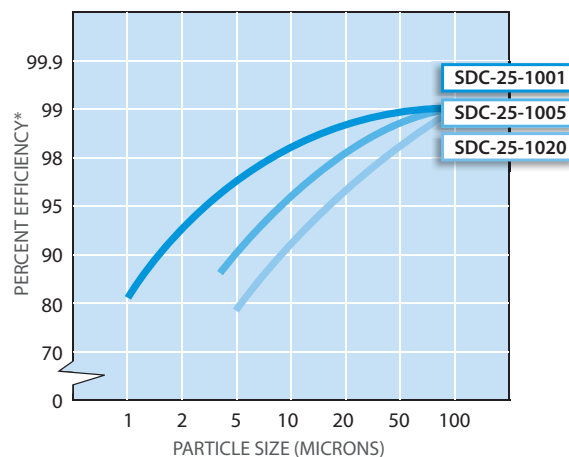
WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

* Special lengths and diameters available.

Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



2.5" Diameter x 9 7/8" Length



4.5" Diameter x 9 7/8" Length

