



- 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

### 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/cm<sup>2</sup>)  
 Recommended replaceable pressure drop: 21.75 PSI (1.5 kg/cm<sup>2</sup>)  
 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.

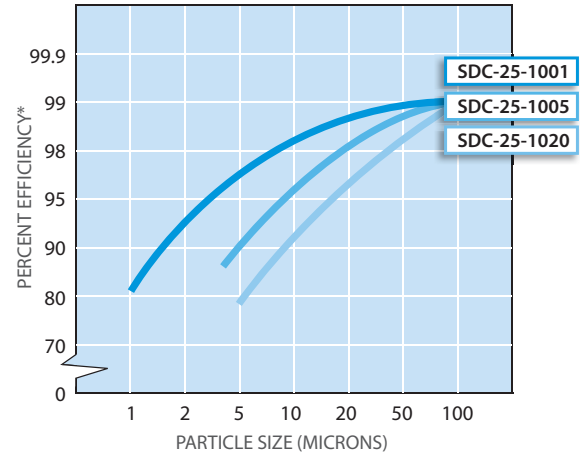
### HYDRONIX WATER TECHNOLOGY

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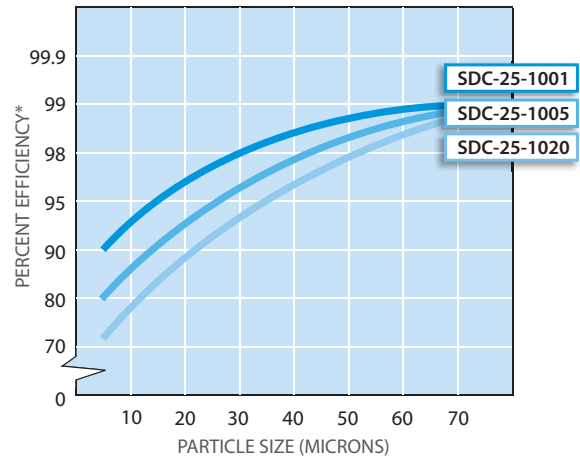
Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



#### 2.5" Diameter x 9 7/8" Length



#### 4.5" Diameter x 9 7/8" Length



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