HYDRONIX™
WATER TECHNOLOGY
An American Company

SDC SERIES
Sediment Depth Cartridges
Data Sheet

SDC Series
Sediment Depth Cartridges

- ✓ Graded density for higher dirt holding capacity
- ✓ Manufactured from 100% pure Polypropylene
- ✓ Made with FDA CFR 21 approved material
- ✓ NSF Standard 42, 61 & 372 certified



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.

NSF

This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

COMPONENT

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	SDC-25-0501	2.5" x 4 ⅞"	1	80	13 x 11 x 21	12	5.44
	SDC-25-0505	2.5" x 4 ⅞"	5	80	13 x 11 x 21	12	5.44
	SDC-25-0510	2.5" x 4 ⅞"	10	80	13 x 11 x 21	12	5.44
10"	SDC-25-1001	2.5"x 9 ⅞"	1	40	13 x 11 x 21	12	5.44
	SDC-25-1005	2.5"x 9 ⅞"	5	40	13 x 11 x 21	12	5.44
	SDC-25-1010	2.5" x 9 ⅞"	10	40	13 x 11 x 21	12	5.44
	SDC-25-1020	2.5" x 9 ⅞"	20	40	13 x 11 x 21	12	5.44
	SDC-25-1050	2.5"x 9 ⅞"	50	40	13 x 11 x 21	12	5.44
20"	SDC-25-2001	2.5"x 20"	1	20	13 x 11 x 21	12	5.44
	SDC-25-2005	2.5"x 20"	5	20	13 x 11 x 21	12	5.44
	SDC-25-2010	2.5"x 20"	10	20	13 x 11 x 21	12	5.44
	SDC-25-2020	2.5"x 20"	20	20	13 x 11 x 21	12	5.44
	SDC-25-2050	2.5"x 20"	50	20	13 x 11 x 21	12	5.44
30"	SDC-25-3001	2.5"x 30"	1	20	13 x 11 x 31	18	8.16
	SDC-25-3005	2.5"x 30"	5	20	13 x 11 x 31	18	8.16
	SDC-25-3010	2.5"x 30"	10	20	13 x 11 x 31	18	8.16
	SDC-25-3025	2.5"x 30"	25	20	13 x 11 x 31	18	8.16
	SDC-25-3075	2.5"x 30"	75	20	13 x 11 x 31	18	8.16
40"	SDC-25-4001	2.5"x 40"	1	20	13 x 11 x 41	24	10.89
	SDC-25-4001-S5	2.5"x 40"	1	20	13 x 11 x 41	24	10.89
	SDC-25-4005	2.5"x 40"	5	20	13 x 11 x 41	24	10.89
	SDC-25-4010	2.5"x 40"	10	20	13 x 11 x 41	24	10.89
	SDC-25-4025	2.5"x 40"	25	20	13 x 11 x 41	24	10.89
	SDC-25-4075	2.5"x 40"	75	20	13 x 11 x 41	24	10.89
50"	SDC-25-5005	2.5"x 50"	5	20	13 x 11 x 51	29	13.15

* Special lengths, end caps and diameters available for contract orders.



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4.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDC-45-1001	4.5"x 9 7/8"	1	12	13 x 11 x 31	12	5.44
	SDC-45-1005	4.5"x 9 7/8"	5	12	13 x 11 x 31	12	5.44
	SDC-45-1010	4.5"x 9 7/8"	10	12	13 x 11 x 31	12	5.44
	SDC-45-1020	4.5"x 9 7/8"	20	12	13 x 11 x 31	12	5.44
	SDC-45-1050	4.5"x 9 7/8"	50	12	13 x 11 x 31	12	5.44
20"	SDC-45-2001	4.5"x 20"	1	6	13 x 11 x 41	12	5.44
	SDC-45-2005	4.5"x 20"	5	6	13 x 11 x 41	12	5.44
	SDC-45-2010	4.5"x 20"	10	6	13 x 11 x 41	12	5.44
	SDC-45-2020	4.5"x 20"	20	6	13 x 11 x 41	12	5.44
	SDC-45-2050	4.5"x 20"	50	6	13 x 11 x 41	12	5.44

HYDRONIX SDC SERIES CARTRIDGES

are made with 100% pure polypropylene and are free of surfactants, detergents and anti-static agents. SDC series filter cartridges do not impart any substances into water which are known to or can cause adverse health effects to humans.

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, 61 & 372/FDA approved material

Materials of Construction

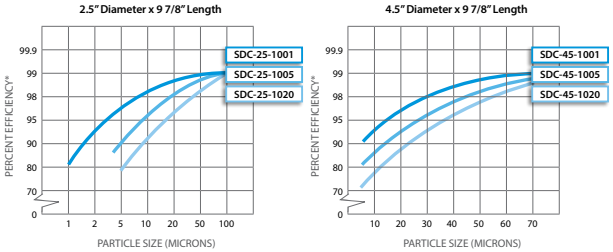
Filter Media: Polypropylene

4.5" DIAMETER SPECIFICATIONS				
	Part Number	Description	Micron Rating	Initial ΔP (psi) at Flow Rate (gpm)
10"	SDC-45-1001	4.5"x 9 7/8"	1	1 psi at 10 gpm
	SDC-45-1005	4.5"x 9 7/8"	5	1 psi at 10 gpm
	SDC-45-1010	4.5"x 9 7/8"	10	1 psi at 10 gpm
	SDC-45-1020	4.5"x 9 7/8"	20	1 psi at 10 gpm
	SDC-45-1050	4.5"x 9 7/8"	50	1 psi at 10 gpm
20"	SDC-45-2001	4.5"x 20"	1	1 psi at 20 gpm
	SDC-45-2005	4.5"x 20"	5	1 psi at 20 gpm
	SDC-45-2010	4.5"x 20"	10	1 psi at 20 gpm
	SDC-45-2020	4.5"x 20"	20	1 psi at 20 gpm
	SDC-45-2050	4.5"x 20"	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.

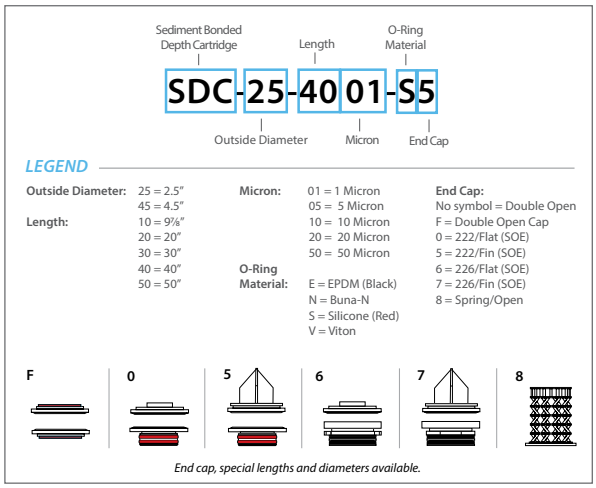
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Operating Data

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)

Model # Guide



HYDRONIX™ WATER TECHNOLOGY
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JUST ADD WATER™

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