

## 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.



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 7/8"	1	80	13 x 11 x 21	14	6.35
	SDC-25-0505	2.5" x 4 7/8"	5	80	13 x 11 x 21	14	6.35
	SDC-25-0510	2.5" x 4 7/8"	10	80	13 x 11 x 21	14	6.35
10"	SDC-25-1001	2.5" x 9 7/8"	1	40	13 x 11 x 21	14	6.35
	SDC-25-1005	2.5" x 9 7/8"	5	40	13 x 11 x 21	14	6.35
	SDC-25-1010	2.5" x 9 7/8"	10	40	13 x 11 x 21	14	6.35
	SDC-25-1020	2.5" x 9 7/8"	20	40	13 x 11 x 21	14	6.35
	SDC-25-1050	2.5" x 9 7/8"	50	40	13 x 11 x 21	14	6.35
20"	SDC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	14	6.35
	SDC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	14	6.35
	SDC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	14	6.35
	SDC-25-2020	2.5" x 20"	20	20	13 x 11 x 21	14	6.35
	SDC-25-2050	2.5" x 20"	50	20	13 x 11 x 21	14	6.35
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	23	10.43
	SDC-25-4001-55	2.5" x 40"	1	20	13 x 11 x 41	23	10.43
	SDC-25-4005	2.5" x 40"	5	20	13 x 11 x 41	23	10.43
	SDC-25-4010	2.5" x 40"	10	20	13 x 11 x 41	23	10.43
	SDC-25-4025	2.5" x 40"	25	20	13 x 11 x 41	23	10.43
	SDC-25-4075	2.5" x 40"	75	20	13 x 11 x 41	23	10.43
50"	SDC-25-5005	2.5" x 50"	5	20	13 x 11 x 51	27	12.25

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

## SDC SERIES

Sediment Depth Cartridges  
Data Sheet

### 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

### 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)

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.

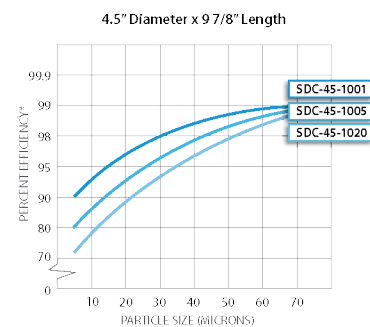
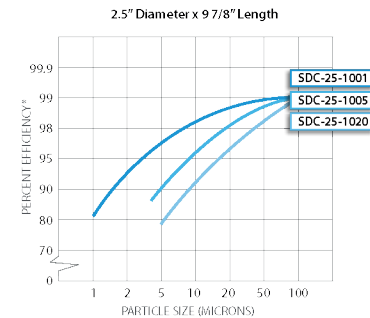
\* Special lengths and diameters available.

### Distributed by:



### Materials of Construction

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



### Model # Guide

Sediment Bonded Depth Cartridge      Length      O Ring Material


**SDC-25-4001-S5**

Outside Diameter      Micron      End Cap


**LEGEND**

Outside Diameter:	25 = 2.5"	Micron:	01 = 1 Micron	End Cap:	No symbol = Double Open
	45 = 4.5"		05 = 5 Micron	F = Double Open Cap	
Length:	10 = 9 7/8"		10 = 10 Micron	0 = 222/Flat (SOE)	
	20 = 20"		20 = 20 Micron	5 = 226/Flat (SOE)	
	30 = 30"	O-Ring Material:	50 = 50 Micron	6 = 226/Flat (SOE)	
	40 = 40"			7 = 226/Flat (SOE)	
	50 = 50"			8 = Spring/Open	


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
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
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
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End cap, special lengths and diameters available.

**HYDRONIX™**  
WATER TECHNOLOGY  
*An American Company*

**JUST ADD WATER™**

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