

## 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 <sup>®</sup> | 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-S5 | 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        |
| 50"                          | 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.

**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**

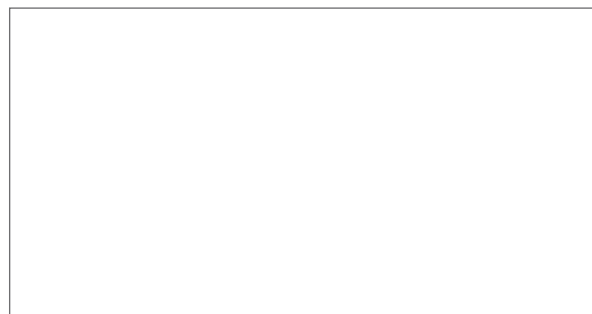
Max. operating temperature: 145 °F (63 °C)  
 Max. pressure drop: 69 °F (20 °C)  
 46.4 psi (3.2 kg/cm<sup>2</sup>)  
 Recommended replaceable pressure drop: 21.75 psi (1.5 kg/cm<sup>2</sup>)  
 Temperature range: 40 °F to 145 °F  
 (4.4 °C to 62.8 °C)  
 Maximum flow: 2-8 gpm (Depending on micron rating)

| 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.

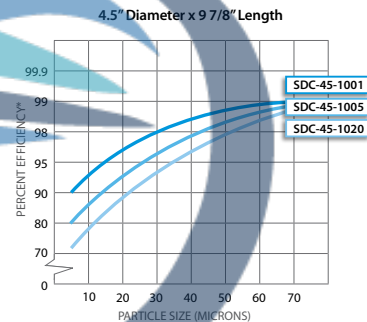
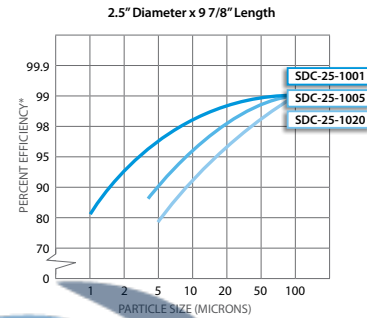
\* Special lengths and diameters available.

**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", 45 = 4.5"  
 Length: 10 = 9 7/8", 20 = 20", 30 = 30", 40 = 40", 50 = 50"  
 Micron: 01 = 1 Micron, 05 = 5 Micron, 10 = 10 Micron, 20 = 20 Micron, 50 = 50 Micron  
 O-Ring Material: E = EPDM (Black), N = Buna-N, S = Silicone (Red), V = Viton  
 End Cap: No symbol = Double Open, F = Double Open Cap, 0 = 222/Flat (SOE), 5 = 222/Fin (SOE), 6 = 226/Flat (SOE), 7 = 226/Fin (SOE), 8 = Spring/Open

End cap, special lengths and diameters available.



**JUST ADD WATER™**

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