

# SDF–SERIES SEDIMENT DEPTH FILTERS

**AXEON® SDF–Series Sediment Depth Filters** are available in 2.5" and 4.5" diameters and provide an economical and high quality option for numerous pre- and post- filtration applications. **AXEON SDF cartridges** can be used as a single stage of filtration for particulate reduction or as an integrated stage of filtration within a water treatment system.

**AXEON 4.5" diameter SDF Sediment Filters** feature a multi-stage depth filtration design that allows for four separate layers of micron filtration. These filters are engineered to create an outside-in flow that allows the outmost layer to capture larger sized particles and the inner layer to capture the stated micron rating of the filter. This results in a much lower pressure drop when compared to other conventional sediment filters. In addition, the trapping of various sized particles layer-by-layer provides a higher dirt holding capacity than standard spun polypropylene and string wound cartridges.



COMPONENT

Tested and Certified by NSF International against ANSI/NSF Standard 42 for material requirements only.

## FEATURES

- Manufactured from 100% pure polypropylene fibers
- Surfactant, binder and adhesive free
- Graded density for higher dirt holding capacity
- High chemical resistance
- Outside-In flow technology
- Four layers of step-by-step micron filtration
- Minimal pressure drop
- Certified to NSF Standard 42
- FDA Listed Materials

## 2.5" DIAMETER FILTER PERFORMANCE

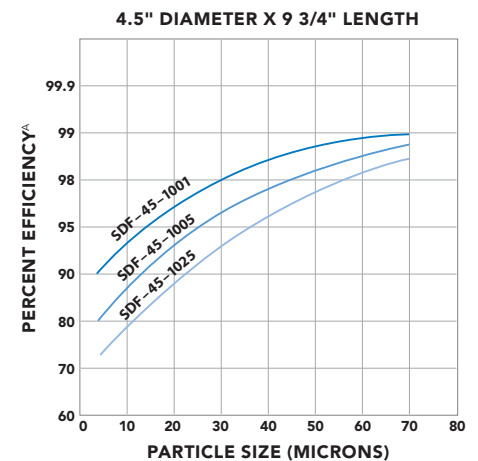
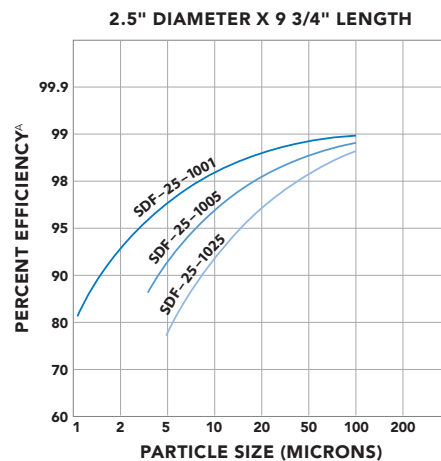
Part Number	Model	Diameter and Length	Nominal Pore Size Micron Rating	Initial Δ P (psi) @ Flow Rate (gpm)	Case Quantity	Approximate Box Dimensions (inches)	Approximate Box Weight (lbs)
200620	SDF-25-1001	2.5" x 9 3/4"	1	0.6 psi @ 5 gpm	50	21 x 13 x 13	18
200621	SDF-25-1005	2.5" x 9 3/4"	5	0.4 psi @ 5 gpm	50	21 x 13 x 13	18
200622	SDF-25-1010	2.5" x 9 3/4"	10	0.2 psi @ 5 gpm	50	21 x 13 x 13	16
200623	SDF-25-1025	2.5" x 9 3/4"	25	0.2 psi @ 5 gpm	50	21 x 13 x 13	16
200625	SDF-25-2001	2.5" x 20"	1	0.6 psi @ 10 gpm	25	21 x 13 x 13	18
200626	SDF-25-2005	2.5" x 20"	5	0.4 psi @ 10 gpm	25	21 x 13 x 13	18
200627	SDF-25-2010	2.5" x 20"	10	0.3 psi @ 10 gpm	25	21 x 13 x 13	17
200628	SDF-25-2025	2.5" x 20"	25	0.3 psi @ 10 gpm	25	21 x 13 x 13	17
201931	SDF-25-3001	2.5" x 30"	1	0.4 @ 15 gpm	20	11 x 13 x 31	20
201932	SDF-25-3005	2.5" x 30"	5	0.3 @ 15 gpm	20	11 x 13 x 31	20
201933	SDF-25-3010	2.5" x 30"	10	0.2 @ 15 gpm	20	11 x 13 x 31	19
206810	SDF-25-3050	2.5" x 30"	50	0.2 @ 15 gpm	20	11 x 13 x 31	19
201935	SDF-25-3075	2.5" x 30"	75	0.2 @ 15 gpm	20	11 x 13 x 31	19
200630	SDF-25-4001	2.5" x 40"	1	0.3 @ 20 gpm	20	11 x 13 x 41	29
200631	SDF-25-4005	2.5" x 40"	5	0.3 @ 20 gpm	20	11 x 13 x 41	29
201930	SDF-25-4010	2.5" x 40"	10	0.2 @ 20 gpm	20	11 x 13 x 41	26
206809	SDF-25-4040	2.5" x 40"	40	0.2 @ 20 gpm	20	11 x 13 x 41	26
206811	SDF-25-4070	2.5" x 40"	70	0.2 @ 20 gpm	20	11 x 13 x 41	26

## 4.5" DIAMETER FILTER PERFORMANCE

Part Number	Model	Diameter and Length	Nominal Pore Size Micron Rating	Initial Δ P (psi) @ Flow Rate (gpm)	Case Quantity	Approximate Box Dimensions (inches)	Approximate Box Weight (lbs)
200634	SDF-45-1001	4.5" x 9 3/4"	1	1 psi @ 10 gpm	12	10 x 13 x 21	14
200635	SDF-45-1005	4.5" x 9 3/4"	5	1 psi @ 10 gpm	12	10 x 13 x 21	14
200636	SDF-45-1010	4.5" x 9 3/4"	10	1 psi @ 10 gpm	12	10 x 13 x 21	14
200637	SDF-45-1025	4.5" x 9 3/4"	25	1 psi @ 10 gpm	6	10 x 13 x 21	14
200639	SDF-45-2001	4.5" x 20"	1	1 psi @ 20 gpm	6	10 x 13 x 21	14
200640	SDF-45-2005	4.5" x 20"	5	1 psi @ 20 gpm	6	10 x 13 x 21	14
200641	SDF-45-2010	4.5" x 20"	10	1 psi @ 20 gpm	6	10 x 13 x 21	14
200642	SDF-45-2025	4.5" x 20"	25	1 psi @ 20 gpm	6	10 x 13 x 21	14
200643	SDF-45-2050	4.5" x 20"	50	0.5 @ 20 gpm	6	10 x 13 x 21	14

### TECHNICAL DATA

- Filter Media: Polypropylene
- Temperature Range: 40°F to 145°F (4.4°C to 62.8°C)
- Recommended Replacement Pressure Drop: 15.6psi (1.1kg / cm<sup>2</sup>)



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

A. Weights, micron rating, pressure drop, percent efficiency and initial Δ P (PSI) @ flow rate tested by manufacturer and independent laboratory. Not performance tested or certified by NSF. Micron ratings based on 85% or greater removal of given particle size.