



SDX FLEX SERIES

Sediment Depth Cartridges
Data Sheet

- Graded density for higher dirt holding capacity.
- Manufactured from 100% pure Polypropylene.
- NSF Standard 42 certified.
- FDA / USP Material Safety Compliant.



HYDROSCIENTIFIC™ SDX FLEX SERIES CARTRIDGES are comprised of special matrix spun polypropylene layer designed to trap coarse and fine particles which increases reliability and service life over conventional cartridges. Utilizing the Flex Matrix technology, SDX Flex Series Cartridges do not utilize binders, anti-static agents or surfactants to produce an ideal surface filtration area.

HYDROSCIENTIFIC™ SDX FLEX SERIES CARTRIDGES are produced with a precise and even matrix of polypropylene fibers which results in no foaming and are anti-static. Made with FDA approved Polypropylene, SDX Flex Series Cartridges are extremely resistant to chemicals and are safe to use in a wide range of applications. SDX Flex Series Cartridges are NSF/ANSI Certified to Standard 42 and comply with FDA CFR 21 guidelines.



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

SDX FLEX SERIES - 2.5" SEDIMENT DEPTH CARTRIDGE SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDX-25-10-0.5	2.5" x 9 7/8"	0.5	40	13" x 11" x 21"	14	6.35
	SDX-25-1001	2.5" x 9 7/8"	1	40	13" x 11" x 21"	14	6.35
	SDX-25-1005	2.5" x 9 7/8"	5	40	13" x 11" x 21"	14	6.35
	SDX-25-1010	2.5" x 9 7/8"	10	40	13" x 11" x 21"	14	6.35
	SDX-25-1020	2.5" x 9 7/8"	20	40	13" x 11" x 21"	14	6.35
	SDX-25-1050	2.5" x 9 7/8"	50	40	13" x 11" x 21"	14	6.35
	SDX-25-10100	2.5" x 9 7/8"	100	40	13" x 11" x 21"	14	6.35
20"	SDX-25-20-0.5	2.5" x 20"	0.5	20	13" x 11" x 21"	14	6.35
	SDX-25-2001	2.5" x 20"	1	20	13" x 11" x 21"	14	6.35
	SDX-25-2005	2.5" x 20"	5	20	13" x 11" x 21"	14	6.35
	SDX-25-2010	2.5" x 20"	10	20	13" x 11" x 21"	14	6.35
	SDX-25-2020	2.5" x 20"	20	20	13" x 11" x 21"	14	6.35
	SDX-25-2050	2.5" x 20"	50	20	13" x 11" x 21"	14	6.35
29"	SDX-25-29141	2.5" x 29 1/4"	1	20	13" x 11" x 31"	17	7.71
	SDX-25-29145	2.5" x 29 1/4"	5	20	13" x 11" x 31"	17	7.71
30"	SDX-25-3001	2.5" x 30"	1	20	13" x 11" x 31"	18	8.16
	SDX-25-3005	2.5" x 30"	5	20	13" x 11" x 31"	18	8.16
	SDX-25-3010	2.5" x 30"	10	20	13" x 11" x 31"	18	8.16
	SDX-25-3025	2.5" x 30"	25	20	13" x 11" x 31"	18	8.16
	SDX-25-3050	2.5" x 30"	50	20	13" x 11" x 31"	18	8.16
	SDX-25-3075	2.5" x 30"	75	20	13" x 11" x 31"	18	8.16
	SDX-25-30100	2.5" x 30"	100	20	13" x 11" x 31"	18	8.16
39"	SDX-25-3905	2.5" x 39"	5	20	13" x 11" x 41"	22	9.97
40"	SDX-25-4001	2.5" x 40"	1	20	13" x 11" x 41"	23	10.43
	SDX-25-4005	2.5" x 40"	5	20	13" x 11" x 41"	23	10.43
	SDX-25-4010	2.5" x 40"	10	20	13" x 11" x 41"	23	10.43
	SDX-25-4025	2.5" x 40"	25	20	13" x 11" x 41"	23	10.43
	SDX-25-4050	2.5" x 40"	50	20	13" x 11" x 41"	23	10.43
	SDX-25-4075	2.5" x 40"	75	20	13" x 11" x 41"	23	10.43
	SDX-25-40100	2.5" x 40"	100	20	13" x 11" x 41"	23	10.43
50"	SDX-25-5005	2.5" x 50"	5	20	13" x 11" x 51"	27	12.25

SDX FLEX SERIES - 4.5" SEDIMENT DEPTH CARTRIDGE SPECIFICATIONS

	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDX-45-1001	4.5"x 9 7/8"	1	12	10" x 15" x 21"	15	6.8
	SDX-45-1005	4.5"x 9 7/8"	5	12	10" x 15" x 21"	15	6.8
	SDX-45-1010	4.5"x 9 7/8"	10	12	10" x 15" x 21"	15	6.8
	SDX-45-1020	4.5"x 9 7/8"	20	12	10" x 15" x 21"	15	6.8
	SDX-45-1050	4.5"x 9 7/8"	50	12	10" x 15" x 21"	15	6.8
20"	SDX-45-2001	4.5"x 20"	1	6	10" x 15" x 21"	15	6.8
	SDX-45-2005	4.5"x 20"	5	6	10" x 15" x 21"	15	6.8
	SDX-45-2010	4.5"x 20"	10	6	10" x 15" x 21"	15	6.8
	SDX-45-2020	4.5"x 20"	20	6	10" x 15" x 21"	15	6.8
	SDX-45-2050	4.5"x 20"	50	6	10" x 15" x 21"	15	6.8

APPLICATIONS

- Ink
- Paint
- Plating
- Ultra Filtration
- Chemical liquid
- Reverse Osmosis
- Food & Beverage
- Electronic Industry

MAXIMUM DIFFERENTIAL PRESSURE

15 psid at 175 °F (1.0 bar at 80 °C)
 25 psid at 140 °F (1.7 bar at 60 °C)
 60 psid at 68 °F (4.13 bar at 20 °C)

OPERATIONAL DATA

Max. Operating Temperature: 145 °F (63 °C)
 Max. Pressure Drop: 69 °F (20 °C) at 46.4 psi (3.2 kg/cm²)
 Temperature Range: 40 °F to 145 °F (4.4 °C to 79.4 °C)
 Max. Flow: 2-8 gpm**
 **Depending on micron rating.

MATERIALS OF CONSTRUCTION

Filter Media: 100% Polypropylene

RECOMMENDED CHANGEOUT

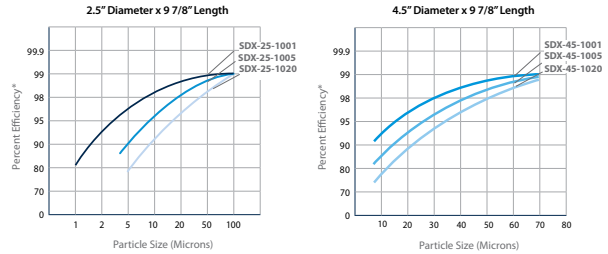
Differential Pressure: 21.75 psi (1.5 kg/cm²)

4.5" DIAMETER SPECIFICATIONS

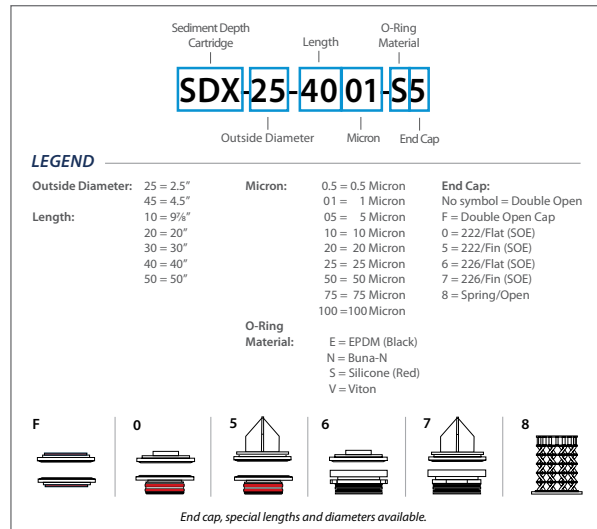
	Part Number	Initial ΔP (psi) at Flow Rate (gpm)
10"	SDX-45-1001	1 psi at 10 gpm
	SDX-45-1005	1 psi at 10 gpm
	SDX-45-1010	1 psi at 10 gpm
	SDX-45-1020	1 psi at 10 gpm
	SDX-45-1050	1 psi at 10 gpm
20"	SDX-45-2001	1 psi at 20 gpm
	SDX-45-2005	1 psi at 20 gpm
	SDX-45-2010	1 psi at 20 gpm
	SDX-45-2020	1 psi at 20 gpm
	SDX-45-2050	1 psi at 20 gpm



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MODEL # GUIDE

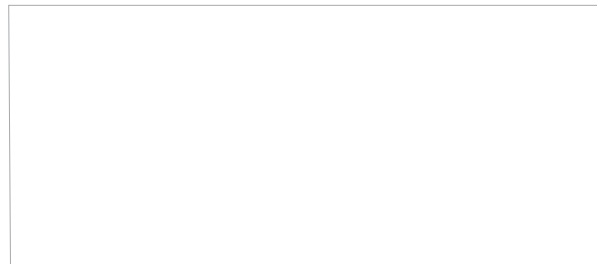


FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.

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

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