



SED SERIES

Sediment Depth Cartridges

Hydro Guard™ SED Series Sediment Depth Cartridges

Data Sheet

Hydro Guard™ SED Series 2.5" Diameter Cartridges

Hydro Guard 2.5" diameter SED 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.

Hydro Guard™ SED Series 4.5" Diameter Cartridges

Our 4.5" diameter SED 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 SED Series Cartridges provide a much higher dirt holding capacity than standard spun Polypropylene and string wound 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



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"	HDGP-SED-2505-05	2.5" x 4 7/8"	5	80	13 x 11 x 21	12	5.44
	HDGP-SED-2510-01	2.5" x 9 7/8"	1	40	13 x 11 x 21	12	5.44
10"	HDGP-SED-2510-05	2.5" x 9 7/8"	5	40	13 x 11 x 21	12	5.44
	HDGP-SED-2520-01	2.5" x 20"	1	20	13 x 11 x 21	12	5.44
20"	HDGP-SED-2520-05	2.5" x 20"	5	20	13 x 11 x 21	12	5.44

4.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HDGP-SED-4510-01	4.5" x 9 7/8"	1	12	13 x 11 x 31	12	5.44
	HDGP-SED-4510-05	4.5" x 9 7/8"	5	12	13 x 11 x 31	12	5.44
20"	HDGP-SED-4520-01	4.5" x 20"	1	6	13 x 11 x 41	12	5.44
	HDGP-SED-4520-05	4.5" x 20"	5	6	13 x 11 x 41	12	5.44

*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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are made with 100% pure polypropylene and are free of surfactants, detergents and anti-static agents. SED 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

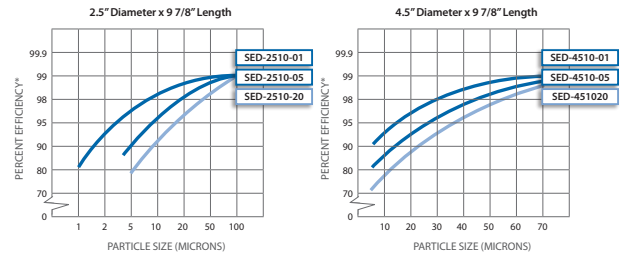
MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene

4.5" DIAMETER SPECIFICATIONS				
	Part Number	Description	Micron Rating	Initial ΔP (psi) at Flow Rate (gpm)
10"	HDGP-SED-4510-01	4.5"x 9 7/8"	1	1 psi at 10 gpm
	HDGP-SED-4510-05	4.5"x 9 7/8"	5	1 psi at 10 gpm
20"	HDGP-SED-4520-01	4.5"x 20"	1	1 psi at 20 gpm
	HDGP-SED-4520-05	4.5"x 20"	5	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.



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)

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