



SB SERIES
Sediment Bonded Depth Cartridges

Hydro Guard™ SB Series Sediment Bonded Depth Cartridges

Data Sheet

Hydro Guard™ SB Series Sediment Bonded Depth Cartridges

are specially designed thermally bonded Polypropylene filters that provide superior filtration performance. SB Bonded Depth Cartridges utilize a durable Polypropylene center core for increased strength and structural integrity. Hydro Guard™ SB Bonded Depth Cartridges have fine grooves on the outside of the filter for increased surface area and will not impart color, taste and odor on the liquid being filtered. SB cartridges produce consistent flow rates and have no fiber release, making them ideal for food and beverage applications.

Hydro Guard™ SB Bonded Depth Cartridges are made with 100% pure polypropylene and are free of surfactants, detergents and anti-static agents. SBC series filter cartridges do not impart any substances into water which are known to or can cause adverse health effects to humans.



- ✓ Superior filtration performance
- ✓ Polypropylene center core for added strength
- ✓ Made with FDA CFR 21 approved material
- ✓ Thermally bonded Polypropylene
- ✓ 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	Initial ΔP (psi) at Flow Rate (gpm)	Micron	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HDGP-SB-2510-01	2.5"x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	1	40	13 x 11 x 21	15	6.80
	HDGP-SB-2510-05	2.5"x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	5	40	13 x 11 x 21	15	6.80
20"	HDGP-SB-2520-01	2.5"x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	1	20	13 x 11 x 21	14	6.35
	HDGP-SB-2520-05	2.5"x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	5	20	13 x 11 x 21	14	6.35
30"	HDGP-SB-2530-01	2.5"x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	1	20	13 x 11 x 31	22	9.97
	HDGP-SB-2530-05	2.5"x 30"	<2 psi at 7 gpm (<0.14 bar at 26.5 L/min)	5	20	13 x 11 x 31	22	9.97
40"	HDGP-SB-2540-01	2.5"x 40"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	1	20	13 x 11 x 41	30	13.61

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
Hydro Guard™ SB Bonded Depth Cartridges comply with FDA CFR21 regulations for use in food and beverage applications and are NSF standard 42, 61 & 372 certified.

FEATURES & BENEFITS

- Thermally bonded Polypropylene micro fiber construction for higher filtration efficiency
- SB cartridges will not impart taste, odor or color to water being filtered
- Polypropylene construction provides superior chemical resistance and resists bacterial attack
- SB cartridges have no fiber release, consistent flow rate and superior filtration performance
- Comply with FDA CFR 21 regulations for use in food and beverage applications

TEMPERATURE RANGE

- 40 °F to 175 °F (4.4 °C to 79.4 °C)

MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene

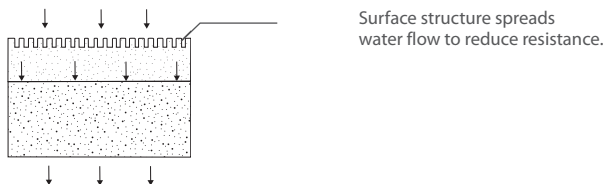
PRODUCT APPLICATIONS

- Electric components
- Plating
- Parts washing
- Pulp and paper
- Ink
- Bottled water
- Soft drinks
- Juice
- Oil and gas
- Pre-RO
- Rinse water

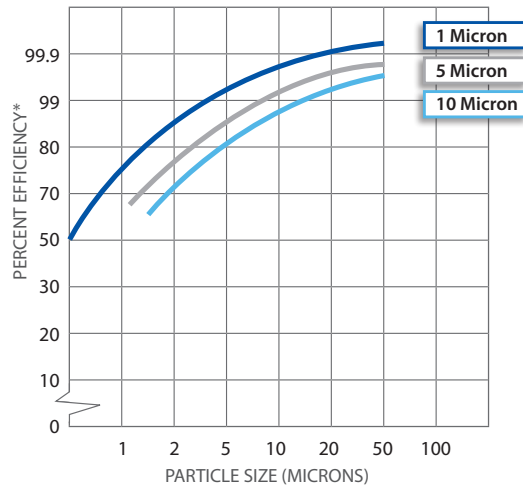
OPERATING DATA

Maximum Differential Pressure	Recommended Change Out
15 psid at 175 °F (1.0 bar at 80 °C)	Differential Pressure
25 psid at 140 °F (1.7 bar at 60 °C)	35 psi (2.4 bar)
60 psid at 68 °F (4.13 bar at 20 °C)	

FLOW DETAIL



SB PERFORMANCE



MODEL GUIDE#

Sediment Bonded Depth Cartridge Length

HDGP-SB-XX-XX-XX-XX

Outside Diameter Micron End Cap

LEGEND

Outside Diameter: 25 = 2.5" 45 = 4.5" 10 = 9 3/4" 195 = 19 1/2" 20 = 20" 2914 = 29 1/4" 30 = 30" 39 = 39" 40 = 40"	Micron: 1 = 1 Micron 5 = 5 Micron 10 = 10 Micron 20 = 20 Micron 50 = 50 Micron 75 = 75 Micron	End Cap: No symbol = Double Open F = Double Open Cap 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 222/Flat (SOE) 7 = 226/Fin (SOE) 8 = Spring/Open 9 = Spring/222 W = White End Caps
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End cap, special lengths and diameters available.

LIT-HDGP-SB_DS 03/31/25

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