



SG SERIES
Sediment Grooved Cartridges

Hydro Guard™ SG Series
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Data Sheet

Hydro Guard™ SG Series Sediment Grooved Cartridges

Hydro Guard SG Series Grooved Cartridges provide greater than twice the surface area and prevent premature blinding of the outer surface due to large particles and gels. They have an all-polypropylene construction, are compatible in a wide range of applications and have no adhesives, binders, surfactants, or lubricants. SG filters are NSF certified and their material of construction is approved for food contact use.



- ✓ Extended service life
- ✓ Fewer filter change-outs
- ✓ Increased surface area
- ✓ Low initial pressure drop
- ✓ Consistent particle removal throughout the filter's life
- ✓ Consistent filtration throughout the service life of the filter
- ✓ Does not unload contaminants with increased differential pressure



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" SG SERIES SPECIFICATIONS								
		Part Number	Description	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)
2.5"	10"	HDGP-SG-2510-01	2.5" x 9 7/8"	1	40	13 x 11 x 21	12	5.44
		HDGP-SG-2510-05	2.5" x 9 7/8"	5	40	13 x 11 x 21	12	5.44
	20"	HDGP-SG-2520-01	2.5" x 20"	1	20	13 x 11 x 21	12	5.44
		HDGP-SG-2520-05	2.5" x 20"	5	20	13 x 11 x 21	12	5.44

4.5" SG SERIES SPECIFICATIONS								
		Part Number	Description	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)
4.5"	10"	HDGP-SG-4510-01W	4.5" x 9 7/8"	1	9	15 x 11 x 15	30	13.6
		HDGP-SG-4510-05W	4.5" x 9 7/8"	5	9	15 x 11 x 15	30	13.6
	20"	HDGP-SG-4520-01W	4.5" x 20"	1	6	17 x 12 x 23	41.75	19
		HDGP-SG-4520-05W	4.5" x 20"	5	6	17 x 12 x 23	41.75	19

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

MATERIALS OF CONSTRUCTION

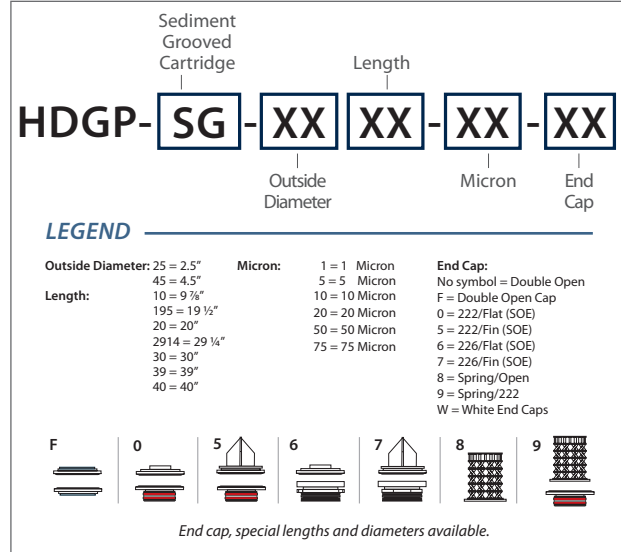
Filter Media:	Polypropylene
Temperature Range:	40 °F to 140 °F (4.4 °C to 60 °C)

OPERATING DATA

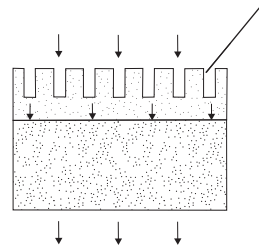
Max. operating temperature:	140 °F (60 °C)
Max. pressure drop:	69 °F (20°C) 46.4 psi (3.2 kg/cm ²)
Recommended replaceable pressure drop:	21.75 psi (1.5 kg/cm ²)
Temperature range:	40 °F to 145 °F (4.4 °C to 62.8 °C)
Maximum flow:	2-8 gpm (Depending on micron rating)

PRODUCT APPLICATIONS

- Food and beverages
- Bottled water
- Dairy products
- Ready-to-drink beverages
- Process and blending water
- Juices
- Edible oils
- Alcoholic beverages *
- Mechanical seals Coatings
- Resin manufacturers (water and solvent)
- Ink
- Pharmaceuticals
- Pre-reverse osmosis
- Active pharmaceutical ingredients
- Bulk pharmaceutical chemicals
- Rinse water
- Chemical Plating
- Process cooling water
- Desalination plants
- Parts washing
- Pulp and paper
- Peroxide
- Additives
- Trade, architectural paint
- Oil and Gas
- Amine and glycol
- Process cooling water
- Pre-filtration in waterflood
- Completion fluid

MODEL GUIDE#

FLOW DETAIL

Surface structure spreads water flow and increases filtration area.



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COMPONENT

LIT-HDGP-SG_DS 03/31/25

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