

SGC Series Sediment Grooved Cartridges

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



HYDRONIX SGC SERIES SEDIMENT GROOVED CARTRIDGES

Hydronix SGC Series Grooved Filters 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. SGC filters are NSF certified and their material of construction is approved for food contact use.



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

SGC SERIES SPECIFICATIONS								
		Part Number	Description	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)
2.5"	10"	SGC-25-1001	2.5" x 9 7/8"	1	40	13 x 11 x 21	12	5.44
		SGC-25-1005	2.5" x 9 7/8"	5	40	13 x 11 x 21	12	5.44
		SGC-25-1010	2.5" x 9 7/8"	10	40	13 x 11 x 21	12	5.44
		SGC-25-1025	2.5" x 9 7/8"	25	40	13 x 11 x 21	12	5.44
		SGC-25-1050	2.5" x 9 7/8"	50	40	13 x 11 x 21	12	5.44
		SGC-25-1075	2.5" x 9 7/8"	75	40	13 x 11 x 21	12	5.44
	20"	SGC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	12	5.44
		SGC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	12	5.44
		SGC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	12	5.44
		SGC-25-2025	2.5" x 20"	25	20	13 x 11 x 21	12	5.44
		SGC-25-2050	2.5" x 20"	50	20	13 x 11 x 21	12	5.44
		SGC-25-2075	2.5" x 20"	75	20	13 x 11 x 21	12	5.44
	29 1/4"	SGC-25-29145	2.5" x 29 1/4"	5	20	13 x 11 x 31	20	9.07
	30"	SGC-25-3001	2.5" x 30"	1	20	13 x 11 x 31	18	8.16
		SGC-25-3001-8	2.5" x 30", SPRING/OPEN END	1	20	13 x 11 x 31	20	9.07
		SGC-25-3005	2.5" x 30"	5	20	13 x 11 x 31	18	8.16
		SGC-25-3005-8	2.5" x 30", SPRING/OPEN END	5	20	13 x 11 x 31	20	9.07
		SGC-25-3010	2.5" x 30"	10	20	13 x 11 x 31	18	8.16
		SGC-25-3025	2.5" x 30"	25	20	13 x 11 x 31	18	8.16
		SGC-25-3050	2.5" x 30"	50	20	13 x 11 x 31	18	8.16
		SGC-25-3075	2.5" x 30"	75	20	13 x 11 x 31	18	8.16
	39"	SGC-25-3905	2.5" x 39"	5	20	24 x 16 x 16	27	12.24
	40"	SGC-25-4001	2.5" x 40"	1	20	41 x 14 x 12	23.7	10.75
		SGC-25-4005	2.5" x 40"	5	20	41 x 14 x 12	23.7	10.75
		SGC-25-4005-8	2.5" x 40", SPRING/OPEN END	5	20	24 x 16 x 16	23.7	10.75
		SGC-25-4010	2.5" x 40"	10	20	41 x 14 x 12	23.7	10.75
		SGC-25-4010-8	2.5" x 40", SPRING/OPEN END	10	20	24 x 16 x 16	23.7	10.75
		SGC-25-4020	2.5" x 40"	20	20	41 x 14 x 12	23.7	10.75
		SGC-25-4020-8	2.5" x 40", SPRING/OPEN END	20	20	24 x 16 x 16	23.7	10.75
		SGC-25-4025	2.5" x 40"	25	20	41 x 14 x 12	23.7	10.75
		SGC-25-4050	2.5" x 40"	50	20	41 x 14 x 12	23.7	10.75
		SGC-25-4075	2.5" x 40"	75	20	41 x 14 x 12	23.7	10.75

*Continued on next page

SGC SERIES

Sediment Grooved Cartridges

Data Sheet

SGC SERIES SPECIFICATIONS

		Part Number	Description	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)
4.5"	10"	SGC-45-1001W	4.5" x 9 7/8"	1	9	15 x 11 x 15	30	13.6
		SGC-45-1005W	4.5" x 9 7/8"	5	9	15 x 11 x 15	30	13.6
		SGC-45-1010W	4.5" x 9 7/8"	10	9	15 x 11 x 15	30	13.6
		SGC-45-1025W	4.5" x 9 7/8"	25	9	15 x 11 x 15	30	13.6
		SGC-45-1050W	4.5" x 9 7/8"	50	9	15 x 11 x 15	30	13.6
		SGC-45-1075W	4.5" x 9 7/8"	75	9	15 x 11 x 15	30	13.6
	20"	SGC-45-2001W	4.5" x 20"	1	6	17 x 12 x 23	41.75	19
		SGC-45-2005W	4.5" x 20"	5	6	17 x 12 x 23	41.75	19
		SGC-45-2010W	4.5" x 20"	10	6	17 x 12 x 23	41.75	19
		SGC-45-2025W	4.5" x 20"	25	6	17 x 12 x 23	41.75	19
		SGC-45-2050W	4.5" x 20"	50	6	17 x 12 x 23	41.75	19
		SGC-45-2075W	4.5" x 20"	75	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.

* Special lengths and diameters available.

Materials of Construction

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

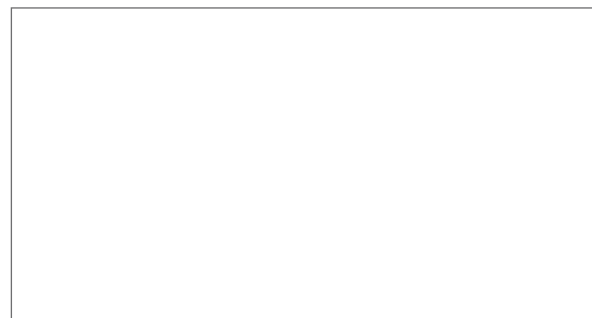
Operating Data

Max. operating temperature: 140 °F (60 °C)
Max. pressure drop: 69 °F (20 °C) 46.4 psi (3.2 kg/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)

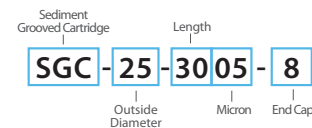
Product Applications

- 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

Distributed by:



Model # Guide



LEGEND

Outside Diameter: 25 = 2.5"
45 = 4.5"
10 = 9 7/8"
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

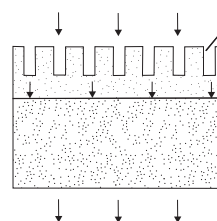
End Cap:
No symbol = Double Open
F = Double Open Cap
0 = 222/Flat (SOE)
5 = 222/Fin (SOE)
6 = 226/Flat (SOE)
7 = 226/Fin (SOE)
8 = Spring/Open
9 = Spring/222
W = White End Caps



End cap, special lengths and diameters available.

Flow Detail

Surface structure spreads water flow and increases filtration area.



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

HYDRONIX
WATER TECHNOLOGY
An American Company

JUST ADD WATER™

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