



String Wound Filter Cartridges

Grace String Wound Filter Cartridges are manufactured by computer modeling process which optimizes the filter cartridges geometrically and maximizes the use of cartridge surface area by the diamond-shaped depth filtration cones. Enhanced graded density design offers high flow rate, low pressure drop and improved dirt holding capacity. Several filter media are available in Grace's SW series, playing more effective and efficient solutions in different applications and processes.

- Ⓞ **Continuous strand winding process provides consistent performances of high dirt holding capacity, long service and high flow rate.**
- Ⓞ **Numerous filter media provide excellent chemical compatibility for different applications.**
- Ⓞ **No odor, no foaming and no media migration.**
- Ⓞ **Computer programming capability optimizes the filter cartridge geometrically and maximizes the use of surface area.**

Applications

Plating Solutions, Pre RO, Chemicals, Petrochemical Process, Food & Beverage, Electronics

Specifications

Filter Media	Polypropylene, Bleached Cotton, Glass Fiber
Micron Rating	1, 5, 10, 20, 30, 50, 75, 100 μm
Core Material	Polypropylene, SUS304, SUS316
Inside Diameter	1.1"(28mm), 1.2"(30mm)
Outside Diameter	2.4"(61mm), 2.5"(63mm), 4.5"(115mm)

Operation Data

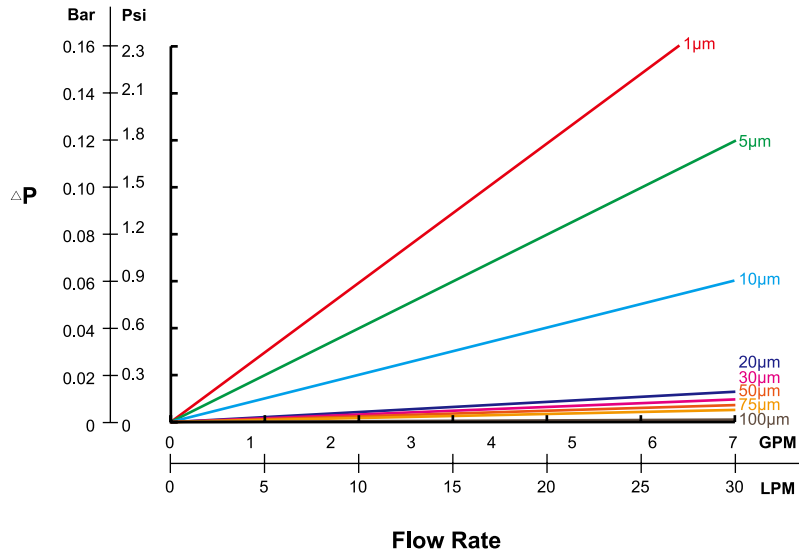
Maximum Operating Temperature : Polypropylene : 90°C (200°F)
 Bleached Cotton with SUS Core : 150°C (300°F)
 Glass Fiber with SUS Core : 400°C (750°F)

Maximum Differential Pressure: 2.7 bar at 27°C (50 psi at 80°F)
 1.4 bar at 60°C (20 psi at 140°F)
 0.7 bar at 82°C (10 psi at 180°F)

Recommended Change Out Differential Pressure : 1 bar (14 psi)

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10" Polypropylene String Wound Filter Cartridge



Ordering Information

Type	Filter Media	Micron Rating	Core Material	Nominal Length (inch/mm)	Diameter	Option
SW String Wound Filter Cartridge	P - Polypropylene B - Bleached Cotton G - Glass Fiber	1 – 1 μm	P - Polypropylene 4 - SUS304 6 - SUS316	098 - 248	(blank) ID28mm, OD61mm OD63 ID28mm, OD63mm Other Customized Sizes	EX - Extended Core
		5 – 5 μm		10 - 250		
		10 – 10 μm		101 - 254		
		20 – 20 μm		198 - 500		
		30 – 30 μm		20 - 508		
		50 – 50 μm		295 - 750		
		75 – 75 μm		30 - 762		
		100 – 100 μm		40 - 1016		
				Other Customized Sizes		
SW	P	1	P	20		
String Wound Filter Cartridge	Polypropylene	1μm	PP Core	20"(508mm)		