

Glassfiber

Pleated Cartridge Filter



SPG™

Synopex Glassfiber Cartridge Filter has a continuous pleated structure for maximum filtering area, employing a glassfiber medium featuring superior resistance to heat and chemicals, shows low pressure drop, fine interception capability of particles, long life, precise filtering (99.99% or higher).

This filter is suitable for high temperature gas or liquid without extractables or releasing of fibers.

Features

- Hydrophilic Glassfiber Media
- Fixed Pore Structure
- Stable Construction by Thermal Bonding
- Broad Chemical Compatibility and Wide range of Applicability
- Low Extractables
- Consistent and Reliable Performance
- Autoclave/In-line Steaming
: 30 cycle(30min/cycle) at 121 °C
- ISO 9001, ISO 14001 Certified Quality System

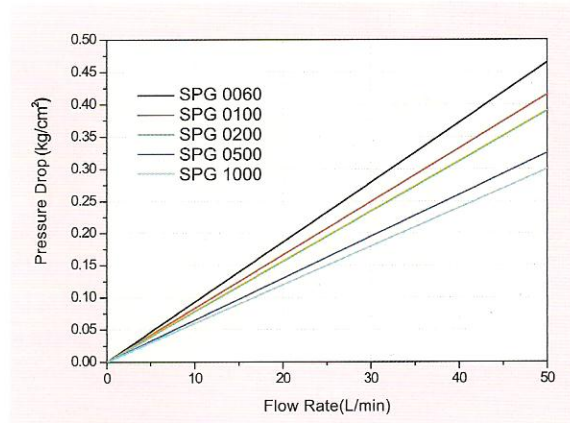
Specifications

- Dimensions
Outer(mm) : Ø 69.5
Length : 250mm, 500mm, 750mm, 1000mm
10"(254 mm), 20"(508mm), 30"(762mm),
40"(1016mm)
- Removal Ratings & Filter Areas
SPG™ : 0.6 μ m (0.44m² (4.7ft²)/10"), 1 μ m (0.44m² (4.7ft²)/10"), 2 μ m (0.5m² (5.4ft²)/10"),
5 μ m (0.41m² (4.4ft²)/10"), 10 μ m
(0.41m² (4.4ft²)/10")
- Materials
Filter Medium : Glassfiber media
Support & Drain layer : Polypropylene
Core, Cage, End Cap : Polypropylene
O-Ring/Gasket : Silicone, EPDM, BUNA-N
(Option : TEV, Viton)
- Operating Condition
Recommended Change Out Differential Pressure
: 2.0 kgf/cm²
Maximum Operating Temperature : 100 °C
Maximum Differential Pressure / Temperature
: 5kgf/cm² (70psid) at 25 °C, 3.5kgf/cm² (45psid) at 80 °C,
1.5kgf/cm² (21psid) at 121 °C

Application

- Chemical Process
: Filtration for Chemicals, Acid and Alkaline,
Precise Chemistry, etc.
- Food & Beverage
: Clarification of Milk, Wine, Soda pops,
Natural water, Syrup, Edible Oil, etc.
- Pharmacy
: Filtering of Pure water, Reagents,
Prefiltration of RO, etc.
- Cosmetics
: Cosmetic oils, Gel, Lotions, Creams,
Shampoos, Body rinses, etc.
- Purification of Paints, Oil, Ink, etc.
- Fement Vent and Prefiltration of Sterilizable
Membrane, etc.
- For General Water Services and Processes
that require Excellent Flow Rates

Pressure Drop vs. Flow Rate



Ordering Information

SPG™ □□□□ - □□ - □□□□
1 2 3 4 5 6

1 : Micro Rating		2 : Length		3 : End Style		4 : Media Material		5 : Protector Material		6 : Seal(O-ring)	
Code	Micron	01	250mm	1	DOE	G : Glassfiber		1	PP	S	Silicone
0060	0.6 μ m	02	500mm	2	226/Cap(lock)			2	Complex PP	E	EPDM
0100	1 μ m	03	750mm	3	222/Cap			3	High density PE	N	BUNA-N
0200	2 μ m	04	1000mm	5	222/Flat			4	AB adapter : PP with encapsulated polysulfone ring	V	Viton
0500	5 μ m	07	10"	7	226/Bomb-fin(lock)					F	TEV
1000	10 μ m	08	20"	8	222/Bomb-fin						
		09	30"								
		10	40"								