

HIGH CAPACITY

Cartridge Filter



SPHFA™ / SPHFG™

Synopex Ø 155mm Cartridge Filter is designed for high flux filtering and the extended life time by increasing the product dimensions. This filter is suitable for mass particle interception and large capacity processing, and a maximizes cost-effectiveness of the long life time.

Features

- Filter structure for high flow rates (1200L/min at 40inch)
- Reducing equipment cost & time down
- Easy to use, Efficient, Suited for use on large scale
- Cut-off micro filtration
- Large pore volume by multi-layer
- Inner → Outer Filtration type

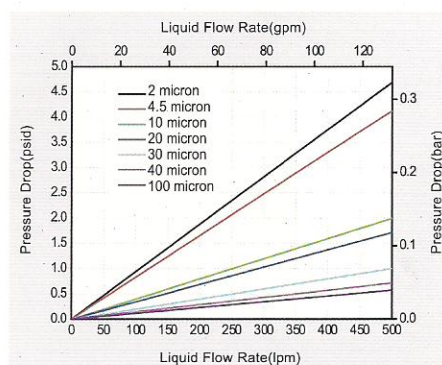
Specifications

- Dimension
 Inner(mm) : Ø75 (2.95"), Outer(mm) : Ø155 (6")
 Length : 9", 20", 40", 60"
 - Removal Efficiency
 SPHFA™ : 2, 4.5, 10, 20, 30, 40, 100µm
 SPHFG™ : 2, 5, 10, 20µm
- Materials
 Filter Medium : Polypropylene (SPHFA™),
 Glassfiber Media (SPHFG™)
 Support & Drain layer : Polypropylene (SPHFA™),
 Polyester (SPHFG™)
 Cage, End Cap : Glass Filled Polypropylene
 O-Ring : EPDM, EPDM (U Type)
 (Option : TEV)
- Operating Condition
 Maximum Operating Temperature
 : 80°C (176°F) (SPHFA™), 100°C (210°F) (SPHFG™)
 Maximum Differential Pressure / Temperature
 : SPHFA™ : 70psi(4.8bar) at 25°C (77°F)
 45psi(3.4bar) at 80°C (176°F)
 SPHFG™ : 70psi(4.8bar) at 25°C (77°F)
 40psi(2.7bar) at 100°C (210°F)

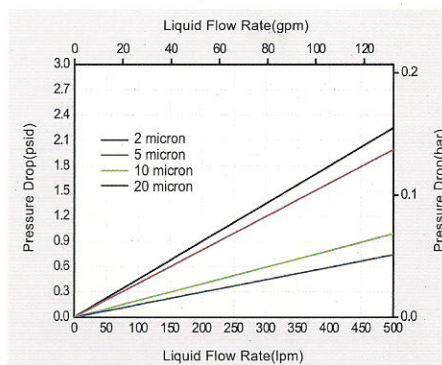
Application

- Water Processing : desalination, reverse osmosis system pre-filtration, process waste water, etc.
- Chemical Processing : bulk chemical filtration, alkalies/acids filtration, etc.
- Electronic Industries : pre-R/O, chemical pretreatment, pre-filtration for high-tech coating, etc.
- Food & Beverage : milk, beer, wine, soft drinks, bottled water, edible oil, etc.
- Pharmaceutical : ultra-pure water system, pre-R/O, etc.
- Metal Finishing : machine coolants, plating solution, stripping solution, etc.
- Cosmetics : cosmetic oil, gel, creams, shampoos, lotions, body rinses, etc.
- Oil & Gas : Petrochemical filtration, Waste water treatment, etc.
- Power Generation : laundry drain wastewater, makeup water, etc.

Pressure Drop vs. Flow Rate



SPHFA™



SPHFG™

Ordering Information

SPHF□ - □□□□ - □□ - □□□□
 1 2 3 4 5 6 7

1 : Division	2 : Micro Rating	3 : Length	4 : End Style	5 : Media Material	6 : Protector Material	7 : Seal(O-ring)
A : P.P Abs G : Glassfiber	Code Micron 0200 2.0µm 0450 4.5µm 0500 5.0µm 1000 10µm 2000 20µm 3000 30µm 4000 40µm 1000 100µm	01 9" 08 20" 10 40" 17 60"	F Cap/Flat	P : Polypropylene G : Glassfiber	7 Glass bead Complex PP	F TEV E EPDM EU EPDM(U Type)

1H00