

KSA

SYL™

High Flow / High Flux
Microfiber Depth Filter



Synopex High Flux Cartridge Filter is manufactured using Melt-Blown Technology, featuring a large pore volume and a multi-layer structure of fine PP fibers, best applicable to the filtering process of mass contaminants in large volume. Also, the long life of this product enables cost-effective operation.

Features

- Gradient Structure
- Micro-fiber of Melt-Blown Process
- 100% Polypropylene Medium without Surfactant or Binder
- A Variety of Filtration ratings
- No solids unloading or media migration with Multi-layers
- Integral Thermal Bonding Media & Self-Supported Structure
- Weld-free Continuous Length up to 40 inch

Specifications

- Filter Medium : 100% Polypropylene micro-fiber
- Dimensions
Inner(mm) : Ø 115
Outer(mm) : Ø 150, Ø 155
Length : 750mm, 1000mm
- Removal Ratings (Nominal Grade) : 1µm, 5µm, 10µm, 25µm, 40µm, 60µm, 80µm, 100µm

Operating Condition

- Recommended Change Out Differential Pressure : 2.0kg/cm²
- Maximum Operating Temperature : 80°C (176°F)
- Maximum Differential Pressure / Temperature

Tempe °C	Maximum	
	kg/cm ²	psid
25	4.0	60
50	3.5	50
70	2.0	30
80	1.0	15

Ordering Information

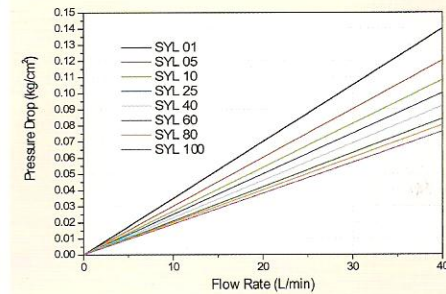
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1 : Out Diameter		2 : Micro Rating		3 : Length	
Code	O.D	Code	Micron	Code	Length
C	Ø 150mm	01	1.0µm	75	750mm
D	Ø 155mm	05	5.0µm	100	1000mm
		10	10µm		
		25	25µm		
		40	40µm		
		60	60µm		
		80	80µm		
		100	100µm		

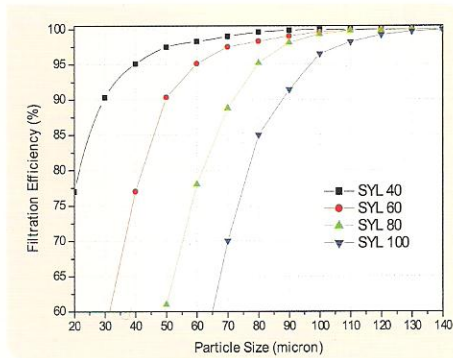
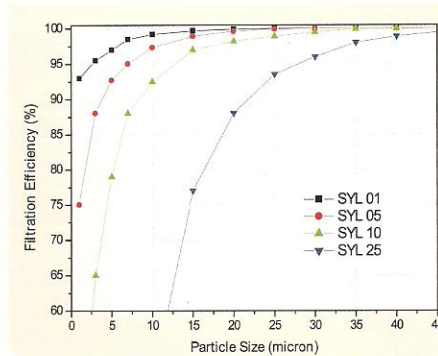
Application

- Pharmaceutical : Ultra-pure water system, Pre-R/O etc.
- Photographic : Film Processing, Developer, Fixer, etc.
- Food & Beverage : Milk, Beer, Wine, Soft Drinks, Bottled Water, Edible Oil, etc.
- Chemical Processing : Bulk Chemical Filtration, Alkalies/Acids Filtration, etc.
- Oil & Gas : Petrochemical filtration, Waste water treatment, etc.
- Metal Finishing : Machine Coolants, Plating Solution, Stripping Solution, etc.
- Electronics : Pre-R/O, Chemical Pretreatment, Pre-filtration for High-tech Coating, etc.

Pressure Drop vs. Flow Rate



Removal Efficiency



* Nominal Grade