

Hydrophilic Polypropylene Syringe Filters with Microglassfiber Pre-Filter Type- SYGP

mdi Polypropylene Syringe Filters with microglassfiber pre-filter type SYGP are specially designed for filtration of samples with higher particulate contamination, and difficult to filter liquids.

The polypropylene and binder-free microglassfiber construction gives very high chemical compatibility, and it can be used with acids as well alkalis.

mdi filters are produced in a facility with ISO-9001 certified quality management system.

Special Features

- Resistant to acids and alkalis
- Low hold up volume for maximum sample recovery
- Extremely low extractables
- Superior HPLC column protection
- Withstand high operating pressure

Applications

- Sample preparation for HPLC
- Easy filtration of particulate laden difficult to filter samples
- Filtration of aqueous as well as organic solvents/solutions



Specifications

Materials of Construction

Housing	Polypropylene
Filter Media	Hydrophilic Polypropylene
Pe-Filter	Binder-free Microglassfiber

Pore Size

0.2 µm, 0.45 µm

Inlet/Outlet Connections

Inlet: Female luer-lock

Outlet: Male luer slip

Typical Hold-up Volume (with air purge)

13mm	25mm
<20µl	<50µl

Burst Pressure

>14kg/cm²

Maximum Operating Temperature

55 °C

Maximum Operating Pressure

75 psi @ 25° C

Recommended Sample Volume

13mm	25mm
< 10 ml	< 100 ml

Fiber Release

Complies with USFDA CFR Title 21, Part 210.3(b)(6) and do not requires any initial flushing

Particle Release

The filtrate complies with USP <788> test for particulate matter in injections

Indirect Food Additives

The plastic housing material complies with the requirements of USFDA CFR Title 21 Part 177.1520

HPLC Certified

SYGP syringe filters are tested and certified for use in HPLC applications



Packaging

Standard Pack:

SYGP syringe filters are packed in PET jars, duly labeled. Each jar has 100 Nos. syringe filters.

Bulk Pack:

SYGP syringe filters are also bulk-packed in polyethene bags, duly labeled. Each bag has 1000 Nos. syringe filters.

Storage

It is recommended to keep the syringe filters:

- i. at clean and dry location
- ii. away from direct heat sources at temperature below 50°C

Ordering Information

Type		Size		Pore Size		Inlet/Outlet		XX	Sterility		Pack Size	
	Code	Diameter	Code		Code		Code			Code	Qty	Code
Hydrophilic polypropylene syringe filter with microglassfiber prefilter	SYGP	13mm	03	0.2µm	01	Female Luer Lock	M		Non Sterile	1	100	04
		25mm	06	0.45µm	02	Male Luer Slip	N				1000	06

Example:												
SYGP		06		01		MN		XX		1		04