



MS[®] G-MP syringe filter



Introduction

MS[®] G-MP syringe filters is designed specially to filter high particulate solutions. With four layers, the first filter is a composite membrane of 10 μ m glass fiber and 1.0 μ m PP, the second prefilter is 0.7 μ m GF/F membrane media, the last one is filtration media as specified. G-MP special membrane materials can eliminate sample contamination and allows you to filter difficult samples with less hand pressure and fast flow rate. They prevent the build up of back pressure typically caused by the blocking of an unprotected membrane.

Feature

Increased volume throughput:

Volume of sample filtered can be three to seven times greater than conventional filters.

Superior performance:

Four layers of filtration media reduce blockage and the need to replace the filter in mid-operation.

Less hand force required:

The unique pre-filter layer allows high particulate samples to be filtered with less hand force, minimizing operator fatigue.

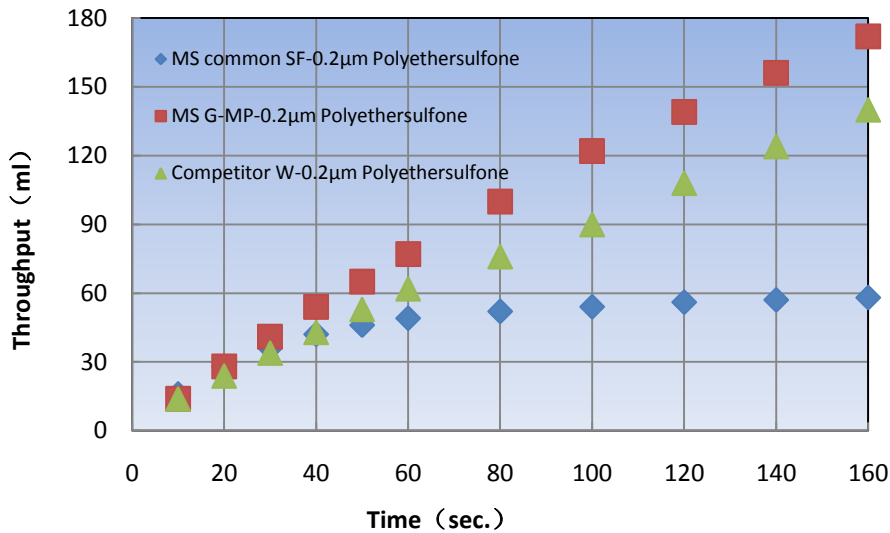


Application

- Hard-to-filter samples
- Dissolution testing
- Content uniformity
- Environmental samples
- Composite assays
- Food analysis
- Biofuel analysis

MS vs. competition

G-MP syringe filters contain four filtration layers which help reduce blockage and increase volume throughput.



Dynamic throughput via 25mm syringe filters was tested at 10psi with 2.5% TSB (Trypticase Soy Broth)

Technical Specification

Specification	25mm
Filtration Area	4.6cm ²
Maximum Pressure	75psi(5.2bar)
Materials of construction	Housing: Polypropylene Filtration Media: As specified
Connectors	Inlet: Female Luer Lock (FLL) Outlet: Male Luer (ML)
Flow direction	Flow from inlet to outlet (FLL to ML)



Order Information

25mm Non-sterile

Catalog No.	Membrane	Pore size(μm)	Package(pcs/pk)
SFNY025022NM	Nylon	0.22	100
SFNY025045NM	Nylon	0.45	100
SFPVDF025022NM	PVDF	0.22	100
SFPVDF025045NM	PVDF	0.45	100
SFPTFE025022NM	PTFE	0.22	100
SFPTFE025045NM	PTFE	0.45	100
SFPES025022NM	PES	0.22	100
SFPES025045NM	PES	0.45	100
SFPP025022NM	PP	0.22	100
SFPP025045NM	PP	0.45	100
SFCA025022NM	CA	0.22	100
SFCA025045NM	CA	0.45	100

Note: Sterilization is available.



Membrane Solutions

Membrane Solutions LLC

USA

Toll free: 866-528-4572

Fax: 732-412-4040

Address: 1108 Spring View Lane Plano,
TX 75075

China

Toll free: 400-620-1660 Fax: 0086-2151687551 Address: 2202, No. 1759,
North Zhongshan Road, Shanghai

For online orders

please write to order@membrane-solutions.com