

mdi SYGN syringe filters incorporate Nylon-66 membrane disc filter and a binder free borosilicate microglassfiber pre-filter in a polypropylene housing to facilitate easy filtration of difficult to filter samples with high particulate contamination.

The microglassfiber pre-filter provides excellent protection to the final membrane filter due to the very high retention abilities for colloidal particles.

SYGN syringe filters are HPLC certified and validated for retention efficiency, extractables, fitment and burst pressure.

These syringe filters are produced with validated processes and QA/QC systems to ensure inter-lot as well as intra-lot consistency.

Special Features

- High retention efficiency even for colloidal particles
- 16 Channels for minimum back pressure
- High throughput
- Hydrophilic, no pre-wetting required
- Wide chemical compatibility
- HPLC certified for low levels of UV absorbing extractables
- Heat sealed to ensure 'no leaching'
- No initial flushing required



Application

- Filtration of difficult to filter colloidal, hazy samples

Specifications

Materials of Construction

Housing	Polypropylene
Pre-filter	Microglassfiber
Filter Media	Nylon-66

Pore Size

0.2 μ m, 0.45 μ m, 5 μ m

Inlet/Outlet Connections

Inlet: Female luer-lock

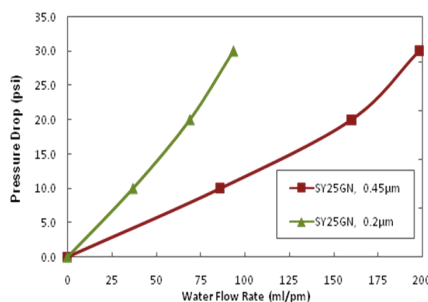
Outlet: Male luer slip

Typical Hold-up Volume(with air purge)

13mm	25mm
<20 μ l	<50 μ l

Burst Pressure (13mm/25mm)

Water Flow Rates



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

Extractables

a. Filtrate (WFI) complies with the requirements of USP <1231> for "Sterile Water for Injection".

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

HPLC Certified

Every lot of SYGN syringe filters is tested and certified for use in HPLC applications

Oxidizable Matter

Passes test as per USP <1231>



Packaging

Standard Pack:

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

Bulk Pack:

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



Standard Pack

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
Nylon-66 Membrane Syringe filter with microglassfiber prefilter	SYGN	13mm	03	0.2 µm	01	Female Luer Lock	M		Non Sterile	1	100	04
		25mm	06	0.45 µm	02	Male Luer Slip	N				1000	06
				5 µm	07							

Example:											
SYGN		06		01		MN		XX		1	04