

mdi Hydrophilic PTFE Syringe Filters type SYTH are specially designed for use in laboratories for small volume filtration and sample preparation.

The hydrophilic PTFE membrane and polypropylene (PP) construction makes it suitable even for filtration of highly aggressive solvents.



Special Features

- Absolute retention efficiency
- 16 Channels for minimum back pressure
- Extremely low extractable
- Wide chemical compatibility
- HPLC certified for low levels of UV absorbing extractables
- Heat sealed to ensure 'no leaching'
- No initial flushing required

Applications

- Sample filtration for HPLC and other critical instruments
- Filtration of aqueous solution as well as organic solvents and chemicals

Specifications

Materials of Construction

| | |
|---------------------|------------------|
| Housing | Polypropylene |
| Filter Media | Hydrophilic PTFE |

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)

| | | |
|------|-------|-------|
| 4mm | 13mm | 25mm |
| <5µl | <20µl | <50µl |

Burst Pressure (13mm/25mm)

>14kg/cm²

Maximum Operating Temperature

55 °C

Maximum Operating Pressure

75 psi @ 25° C

Recommended Sample Volume

| | | |
|--------|---------|----------|
| 4mm | 13mm | 25mm |
| < 1 ml | < 10 ml | < 100 ml |

Fiber Release

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

Extractables

- Filtrate (WFI) complies with the requirements of USP <1231> for "Sterile Water for Injection".
- The plastic housing material complies with the requirements of USFDA CFR Title 21 Part 177.1520

HPLC Certified

Every lot of hydrophilic PTFE Membrane syringe filters is tested and certified for use in HPLC applications

Oxidizable Matter

Passes test as per USP <1231>



Packaging

Standard Pack:

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

Bulk Pack:

PTFE 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 |
| SYTH | SYTH | 4mm | 01 | 0.2µm | 01 | Female Luer Lock | M | | Non Sterile | 1 | 100 | 04 |
| | | 13mm | 03 | 0.45µm | 02 | Male Luer Slip | N | | | | 1000 | 06 |
| | | 25mm | 06 | | | | | | | | | |

Example:

| | | | | | | | | | | | | |
|------|--|----|--|----|--|----|--|----|--|---|--|----|
| SYTH | | 06 | | 01 | | MN | | XX | | 1 | | 04 |
|------|--|----|--|----|--|----|--|----|--|---|--|----|