

mdi Polypropylene Syringe Filters type SYPP use polypropylene membrane encased in natural polypropylene housing with standard inlet (female luer lock) and outlet (male luer slip) connections. These are designed for quick and efficient sample preparation, and clarification.

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

Special Features

- 100% polypropylene construction
- Acid and base resistant
- Wide chemical compatibility with solvents
- Low hold up volume for maximum sample recovery
- High throughput for viscous samples

Applications

- Sample preparation for HPLC
- Clarification of laboratory samples
- One filter for most applications



Specifications

Materials of Construction

| | |
|---------------------|------------------------|
| Housing | Polypropylene |
| Filter Media | Polypropylene Membrane |

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/cm

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.

Particle Release

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

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 Polypropylene Membrane syringe filters is tested and certified for use in HPLC applications



Packaging

Standard Pack:

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

Bulk Pack:

Polypropylene 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 |
| Polypropylene Syringe Filter | SYPP | 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: | | | | | | | | | | | | |
| | SYPP | | 06 | | 02 | | MN | XX | | 1 | | 04 |