

**mdi** microglassfiber syringe filter are specially designed for clarification of highly contaminated samples that may clog a membrane filter.

These syringe filters have microglassfiber filter encased in natural polypropylene housing with standard inlet (female luer lock) and outlet (male luer slip) connections. These are designed to offer high throughput of particulate-laden samples.

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

### Special Features

- Wide chemical compatibility
- Low hold up volume for maximum sample recovery
- High throughput for samples with high particulate load

### Applications

- Sample preparation for HPLC
- Clarification of laboratory samples

### Recommended Sample Volume

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



### Special Features

#### Materials of Construction

|                     |                                |
|---------------------|--------------------------------|
| <b>Housing</b>      | Polypropylene                  |
| <b>Filter Media</b> | Binder-free<br>Microglassfiber |

#### Pore Size

0.45 µm, 1 µm, 3µm

#### Inlet/Outlet Connections

Inlet: Female luer lock  
Outlet: Male luer slip

#### Typical Hold-up Volume (with air purge)

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

#### HPLC Certified

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

#### Burst Pressure

>14kg/cm<sup>2</sup>

#### Maximum Operating Temperature

55°C

#### Maximum Operating Pressure

75 psi @ 25°C

#### 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

### Ordering Information

| Type                           |      | Size |      | Pore Size |      | Inlet/Outlet     |      | XX | Sterility   |      | Pack Size |      |
|--------------------------------|------|------|------|-----------|------|------------------|------|----|-------------|------|-----------|------|
|                                | Code |      | Code |           | Code |                  | Code |    |             | Code |           | Code |
| Microglassfiber Syringe Filter | SYGF | 13mm | 03   | 1µm       | 05   | Female Luer Lock | M    |    | Non Sterile | 1    | 100       | 04   |
|                                |      | 25mm | 06   | 0.45µm    | 02   | Male Luer Slip   | N    |    | 1000        | 06   |           |      |
|                                |      |      |      | 3 µm      | 16   |                  |      |    |             |      |           |      |

#### Example:

|      |    |    |    |    |   |    |
|------|----|----|----|----|---|----|
| SYGF | 06 | 02 | MN | XX | 1 | 04 |
|------|----|----|----|----|---|----|