

**Non-Sterile Millex[®]-FA₅₀
Hydrophobic Filter Unit**
Autoclavable
Non-pyrogenic
Maximum inlet pressure: 0.7 bar (10 psi)

SLFA 050 10 (10/Box)
SLFA 050 00 (100/Box)

Introduction

The bi-directionally supported Millex-FA₅₀ filter unit is designed for vacuum source protection, inline filtration of air or gases, and to vent air from pressurized closed containers. This filter unit can also be used to filter non-aqueous liquids such as HPLC solvents, or as a moisture barrier between a vacuum source and the evacuated container. This product consists of a 50 mm diameter, 1.0 µm Fluoropore™ PTFE hydrophobic membrane filter sealed in a polypropylene housing. It has bi-directional filter support screens and is non-sterile and non-pyrogenic. It can also withstand repeated autoclaving up to 10 times.

Cautions

- Do not use the Millex-FA₅₀ filter at temperatures above 130 °C (266 °F).
- Do not apply pressure exceeding 0.7 bar (10 psi).
- Check the chemical compatibility with polypropylene before filtering solvents or other non-aqueous solutions.
- Do not remove the connector plugs until it is time to use or autoclave the filter unit.

Directions to Autoclave

If the filter unit needs sterilization, it can be autoclaved (up to 10 times). To do this:

1. Remove the two connector plug caps.
2. Wrap and seal the filter unit in Kraft paper or other suitable autoclave paper.
3. Autoclave at 121 °C for 20 minutes.

Directions for Use with a Syringe

1. Fill the syringe with the solution to be filtered.
2. Attach the syringe to the Millex filter unit by inserting the tip firmly into one of the connectors. Twist clockwise to ensure a tight connection.
3. Hold the syringe with the filter pointing up and expel air from the filter. When a few drops of liquid exit the filter unit, place the assembly over the appropriate container and filter the solution into it. (Do not exceed a pressure of 0.7 bar [10 psi].)

Directions for Use with Hose Connections

1. Choose silicone rubber or latex tubing of 4 to 9.5 mm I.D.
2. Fit snugly over connector. To avoid blowing off tubing from unit, use hose clamps.

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Specifications

Materials	Membrane: Hydrophobic Fluoropore PTFE membrane Housing: Polypropylene
Temperature Limit	130 °C (266 °F) maximum
Pressure Limit	0.7 bar (10 psi) inlet and differential maximum at 25 °C
Typical Air Flow Rate	≥ 30 L/min at 0.3 bar (5 psi)
Methanol Flow Rate	≥ 750 mL/min at 0.3 bar (5 psi)
Dimensions	
Diameter	50 mm
Filtration Area	19.6 cm ² (3 in ²)
Pore Size	1.0 μm
Connections	Stepped hose barb with female Luer slip interior (code O)

Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call **1-800-MILLIPORE** (1-800-645-5476). Outside the U.S., see your Millipore catalogue for the phone number of the office nearest you or go to our web site at www.millipore.com/offices for up-to-date worldwide contact information. You can also visit the tech service page on our web site at www.millipore.com/techservice.

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PF06920, Rev. A, 08/06

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