

# Millex<sup>®</sup> Filter Units with MF-Millipore<sup>™</sup> Membrane

■ For reliable sterilization of small volumes



*The latest generation of Millex filters sets a new standard for small volume filtration, with greater performance, convenience, and quality than ever before.*

Millex-MF filters can be used in the research laboratory to sterile filter protein solutions, tissue culture media, additives, buffers, or water. Outside of the U.S. and Japan, Millex-MF filters can also be used for direct patient care and pharmacy admixture applications (see "Medical Applications").

### 33 mm for Faster Flow Rate

New Millex filters are 33 mm in diameter and have almost 20% more filter surface area than our 25 mm filters. The larger filter surface area increases flow rate and throughput. It also makes it easier to filter solutions because it reduces the pressure required to empty the syringe.

### Higher Operating Pressure

New Millex filters have a maximum housing pressure of 150 psig (10 bar), which means you can filter solutions faster than before.

### Color-Coded

Millex filters are available with three different membrane polymers, each with different performance characteristics. The color-coded band on the Millex housing clearly indicates which membrane is inside. Millex filters with MF-Millipore membrane have a blue band.

### Manufactured for Reliable Performance

Millex filters are manufactured in a controlled environment using an automated process. Human hands never touch the filter during assembly. A Certificate of Quality included in each box describes Millipore's quality standards in detail.

### Medical Applications

New 33 mm Millex filters are CE 0459-marked for medical use outside the U.S. and Japan. Hospital pharmacy applications include filtering small volumes of protein pharmaceuticals, diagnostic imaging agents, chemotherapeutics, aqueous solutions, or water during admixture preparation.

Direct patient care applications include sterilization and particulate removal from epidural and other liquid anesthetics, as well as from irrigation solutions used in ophthalmic, otic and other surgical procedures.

Within the U.S. and Japan, contact Millipore for information about medical products listed with the appropriate regulatory authorities.

### Validation Guide Available

Contact the nearest Millipore office listed on the back cover for more information. Or visit [www.millipore.com/millex](http://www.millipore.com/millex).

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## Specifications

### Dimensions

Length (inlet to outlet): 26 mm (1.02 in)  
Diameter: 33 mm (1.30 in)

### Connections

Inlet: Female Luer-Lok™

Outlet: Male Luer slip

### Materials

Top, Base, and Outer Ring:

Modified Acrylic (with colorant in outer ring)

Membrane: Hydrophilic, mixed cellulose esters (MCE)

Filtration Area:

4.52 cm<sup>2</sup> (0.70 in<sup>2</sup>)

Maximum Housing Pressure

(at 25 °C): 150 psig (10.5 bar)

Filtration Volume: 10 to 200 mL

Hold-up Volume: < 0.1 mL after air purge

### Sterilization Method

Ethylene oxide

### Toxicity

All component parts meet USP Class VI Biological tests for plastics.

## Ordering Information

Description	Qty/Pk	Catalogue No.
33 mm Millex Filter Units with MF-Millipore Membrane		
Type-GS, 0.22 µm	50	SLGS 033 SS
	250	SLGS 033 SB
Type-HA, 0.45 µm	50	SLHA 033 SS
	250	SLHA 033 SB
Type-AA, 0.8 µm	50	SLAA 033 SS
	250	SLAA 033 SB

Millex filter units are also available with low-protein binding/fast flow Millipore Express™ membrane and ultra-low protein binding Durapore® membrane. The filters are part of a family of vacuum- and pressure-driven devices. Contact Millipore for more information, or visit [www.millipore.com/sterile](http://www.millipore.com/sterile).

## To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office.

In the U.S. and Canada, call toll-free **1-800-MILLIPORE (1-800-645-5476)**

In the U.S., Canada and Puerto Rico, fax orders to **1-800-MILLIFX (1-800-645-5439)**

Internet: [www.millipore.com](http://www.millipore.com)

Tech Service:

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