

# 33 mm Medical Millex® Filter Units

**With Durapore® PVDF membrane**

- ▶ *Durapore is the lowest protein binding membrane available*
- ▶ *33 mm housing has almost 20% more surface area than 25 mm filters*
- ▶ *Listed medical device*

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

Medical Millex filters remove microorganisms, particles, precipitates, and undissolved powders larger than 0.22 µm from aqueous solutions.

## Medical Device

Medical Millex filters are listed medical devices in the U.S. and CE 0459-marked in Europe.

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.

## 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 by reducing the pressure required to empty the syringe.

## Higher Operating Pressure

New Millex filters have a maximum housing pressure of 150 psig (10.5 bar), which means that 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 Durapore membrane have a yellow band.

## Validation Guide Available

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

## Ultra-low Protein Binding

Durapore membrane is the lowest protein-binding membrane available, which makes it ideal for filtration of antibiotics and solutions containing proteins.



## Cautions

Federal (U.S.) law restricts this device to sale by, or on the order of, a physician or pharmacist. For complete restrictions, and chemical compatibility information, contact the nearest Millipore office.

## 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)

Technical Service:

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

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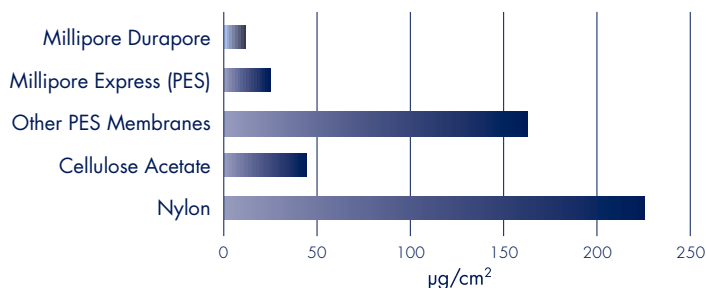
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CE 0459

## Performance of Durapore Membrane

### Low protein binding



## 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, 0.22 µm, polyvinylidene fluoride (PVDF)

**Filtration area** 4.52 cm<sup>2</sup> (0.70 in<sup>2</sup>)

**Maximum housing pressure (at 25 °C)** 150 psig (10 bar)

**Filtration volume** 10 to 200 mL

**Hold-up volume** ≤ 0.1 mL after air purge

**Sterilization method** Gamma irradiation

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

## Ordering Information

Description	Qty/Pk	Catalogue No.
Type-VV, 0.1 µm	50	SLVV M33 RS
Type-GV, 0.2 µm	50	SLGV M33 RS
Type-HV, 0.45 µm	50	SLHV M33 RS

Millex filter units are also available with mixed cellulose esters or low protein-binding/fast flow Millipore Express™ 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).