

Whatman™ GD/X non-sterile PVDF syringe filters

Non-sterile syringe filters with PVDF membrane for HPLC sample prep, offering biobased plastic options in 25 mm size.

Overview

The Whatman™ GD/X non-sterile, Polyvinylidene Difluoride (PVDF) membrane syringe filters are designed to enable the filtration of viscous, hard-to-filter samples greater than 10 mL. Each unit contains a prefiltration stack of Whatman multigrade glass microfiber (GMF) and Glass fiber (GF/F) filters.

- Reduces need for multiple syringe filters by processing three to seven times more sample volume than syringe filters without prefilters
- Female luer lock for leak-free connections
- High-efficiency Whatman GMF 150 and GF/F pre-filter media
- Eliminates or greatly reduces the need to carry out separate prefiltration step for difficult-to-filter samples

High viscosity filter enables filtration of “difficult-to-filter” samples

The prefilter contains a high-efficiency borosilicate glass filtration stack that will retain fine particles down to 0.7 µm, allowing difficult sample filtration with less hand force. It reduces the need for multiple syringe filters by processing three to seven times more sample volume than syringe filters without prefilters. The filters can be autoclaved.

Polyvinylidene Difluoride (PVDF) membranes

Polyvinylidene Difluoride membrane is a suitable choice for most HPLC sample preparation applications. The membrane is hydrophilic with low water breakthrough values. It offers good chemical resistance to all common HPLC solvents, has low protein binding and negligible extractables.

ISCC+ certified Biobased polypropylene housing (25mm devices):

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- 90% Biobased plastic resin.
- Biobased plastic resin is ISCC Plus certified using Mass Balance approach.
- The polypropylene accounts for 95% of the weight/composition of the syringe filters.

Read more on the topic here.

Product specifications
Whatman GD/X™ non-sterile PVDF syringe filter, 25mm, 0.45 µm (150/Pk)

Catalog code	6872-2504
Biobased	Yes
Diameter	25 mm
Effective filtration area	4.6 cm²
Filter media	Polyvinylidene Difluoride (PVDF)
Hold-up volume	< 250 µL
Housing material	Polypropylene (PP)
Inlet connector	Female luer lok
Pore size	0.45 µm
Pack size	150/Pk
Sample volume	< 100 mL
Sterile	No

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