

Whatman GD/X™ non-sterile PTFE syringe filters

Non-sterile syringe filters with PTFE membrane for organic samples, featuring biobased plastic options in 25 mm size.

Overview

Whatman GD/X™ non-sterile, polytetrafluorethylene (PTFE) membrane syringe filters are designed to enable the filtration of viscous, hard-to-filter samples greater than 10 mL. They combine a polypropylene housing, high-efficiency Whatman™ GMF 150 and GF/F pre-filter media, and PTFE membrane.

- 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.

Polytetrafluoroethylene (PTFE) membranes

Polytetrafluoroethylene membrane is hydrophobic and does not allow water to pass except under high pressure. Aqueous solutions can be filtered if the membrane is initially wetted with alcohol or another appropriate solvent. Polytetrafluoroethylene membrane stops aqueous aerosols in gas streams.

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 PTFE syringe filter, 25mm, 0.45 µm (150/Pk)

Catalog code	6874-2504
Biobased	Yes
Diameter	25 mm
Effective filtration area	4.6 cm²
Filter media	Polytetrafluoroethylene (PTFE)
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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