

Whatman™ Multigrade 150 Glass Fiber Filters

GMF 150 prefilters enable rapid filtration of high solids samples with multilayer graded density design.

Overview

Cytiva's Whatman GMF 150 prefilters are multilayer graded density filters for rapid and efficient filtration of samples with high solids content.

- Compared to an unprotected membrane, greater sample volume can be filtered
- Higher particulate loading capacity and faster flow rates than uniform prefilters
- Excellent particle retention (both large and small particles)
- 100% borosilicate glass, binder-free
- Extends life of final filter membrane

Multilayer filter design

When a sample is applied, the multigrade glass filter traps larger particles in its pores or on the surface of the coarse layer, medium-sized particles in the interface meshing, and smaller particles in the interstices of the fine layer. The multilayer design provides comprehensive particle retention.

Cytiva's glass microfiber prefilters

Looking for a filter paper, membrane filter, or syringe filter? Let Cytiva help you find the optimal filter for your needs to ensure reliable analysis.

Product specifications
Whatman™ multigrade 150 glass microfiber prefilter, 2 µm particle retention rating, 47 mm circles (40/Pk)

Catalog code	1842-047
Air flow rate	1.6 s/100 mL/in²
Diameter	47 mm
Filter media	Borosilicate glass microfibre without binder
Max. operating temperature	550 °C
Typical water flow rate	887 ml/min at 45 psi (3.1 bar)
Grade	Grade GMF 150

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Pack size	40/Pk
Application	Prefilter with high loading capacity and good flow rates.
Binder type	Binder Free
Format	Circles
Nominal basis weight	145 g/m²
Nominal thickness	750
Typical particle retention in liquid	>2 µm

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