TECHNICAL DATA SHEET



Description Glass microfiber Filters without binder, FILTER-LAB® ref. MFV3 125 mm. diameter. Pack 100 units

Product code MFV3125



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Ref. MFV3

- Determination of suspended solids in water according to EN872 and Standard Methods 2540D, as well as other analyzes of water pollution.
- Carbohydrate Analysis by hydrolysis.
- Filtration solvents.
- Filtering cell cultures.
- Filtration of samples prior to scintillation counting.

TECHNICAL SPECIFICATIONS

Code	MFV3125
Grammage (UNE-EN-ISO 536)	52 gr/m^2
Thickness (UNE-EN 20534)	0,260 mm
Retention	1,2 µm
Retention DOP	99,98%
Burst resistance	0,5 kg/cm^2
Binders	No
Filtration speed (Hezberg System)	100 s.
Maximum temperature	500 ºC
Diameter	125 mm.
Format	Plain
Pack	100 units
Type of filter	Depth filter

RELATED PRODUCTS

Glass microfiber filters without binder

Recommended in analyses of air and water according to international standards

Descripción

Gama de filtros fabricados exclusivamente con microfibras de vidrio borosilicato al 100% y exentas de cualquier tipo de ligante.

Estos filtros son capaces de combinar rápidas velocidades de filtración con elevadas capacidades de carga junto a una excelente retención de partículas finas.

Especificaciones técnicas

Ref.	Retención	Gramaje	Espesor	Retención DOP	Ligante
	µm	g/m^2	mm	%	
MFV1	1.6	52	0.26	99.998	No
MFV2	1.0	143	0.70	99.998	No
MFV3	1.2	52	0.26	99.998	No
MFV4	2.7	120	0.53	99.998	No
MFV5	0.7	75	0.45	99.998	No
MFV6	1.5	65	0.28	99.998	No

PROPERTIES

Chemical stability

Glass microfiber filters from FILTER-LAB® have an excellent stability, being resistant to the majority of reagents and solvents, except acidic and base solutions of high concentration.

Thermal stability

Likewise, these filters can withstand operating temperatures up to 500ºC. Beyond this approximate value it starts to lose its customary qualities. In case of operating temperatures of up to 900ºC we recommend the use of FILTER-LAB® quartz microfiber filters, ref. MFQ.

Mechanical resistance

This kind of filters are resistant to creasing, so that's why the sheets can be folded for transport or sent to the laboratory for field atmospheric analyses, for example.

Permeability

Glass microfiber filters have high permeability against the passing of air so that is why they generally have good flow velocities. All of this make them ideal for the use in high-volume samplers.

Metal traces (ppm)

As	Cd	Cr	Cu	Fe	Mn	Ni	Pb	Sb	V	Zn
3	0.03	12	3	400	20	4	3	2	1	50

Retention of particles

The physical and chemical qualities of the glass microfibers are such that these filters have an excellent level of retention of particles, not only on the surface, but also depth through mechanisms of electrostatic adsorption and other processes, resulting in some cases of smaller retentions than a micron.

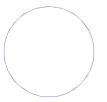
Stability in weight

Since they are not hygroscopic, the glass microfiber filters do not exhibit significant variations in weight.

Load capacity

Due to its high apparent density (relation between weight in grams and thickness) and the nature of the fibers, these filters have a large load capacity.

Formats and dimensions



13	25	37	47	55	70	80	90	110	125	150

Dimensions: Diameter in mm
Presentation: Packs of 100 units



203 x 254	460 x 570

Dimensions: Measure in mm.
Presentation: Packs of 100 units.

Other formats and dimensions available under demand.

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