



## FILTER-LAB glass microfibre filters

Ref. MFV3

Code: MFV3070

Circles 70 mm. diameter

Box 100 units.



*Filtration catalogue: pages 32, 33, 34.*

### **SPECIAL APPLICATIONS**

- Determination of suspended solids in water according to EN-872.
- Determination of dissolved solids in water according to UNE 77031.
- Determination of some carbon compounds in water according to Standard Methods 5310D.
- Determination of some metals in water.
- Filtration of samples for testing by spectrophotometry.
- Analysis of carbohydrates by hydrolysis.
- Filtration of sample solvent.
- Cell culture.
- Filtration of samples before scintillation counting.
- Filtration of protein samples.
- Separation of aerosols.
- Monitoring of nuclear reactors.
- Analysis of chlorophylls.
- Filtration of bacterial cultures.

### TECHNICAL SPECIFICATIONS

Reference	MFV3
Code	MFV3070
Format and size	circles 70 mm. diameter
Presentation	Box 100 units
Grammage (EN 536)	52 gr./m
Thickness (EN 20534)	0,26 mm.
Filtration speed (Herzberg)	100 s
Retention	1,2 µm
Burst strength resistance	0,2 kg/cm
DOP penetration (0,3 µm dioctyle oftalate particles)	< 0,002%
Max. temperature	500°C
Retention Efficiency (0,3 µm dioctyle oftalate particles)	99,998%
Composition	100% borosilicate without binders
Type of filter	Depth filter

Contents of 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

### Related products



FILTER-LAB glass microfibre filters without binders

Array composed of 6 different qualities with retentions between 0.7 and 2.7 µm.

#### Technical specifications

Ref.	Retention µm	Weight in grams g/m <sup>2</sup>	Thickness mm	DOP retention	Bonding agent
MFV 1	1.6	52	0.26	99.998	NONE
MFV 2	1.0	143	0.70	99.998	NONE
MFV 3	1.2	52	0.26	99.998	NONE
MFV 4	2.7	120	0.53	99.998	NONE
MFV 5	0.7	75	0.45	99.998	NONE
MFV 6	1.5	65	0.28	99.998	NONE



FILTER-LAB quartz microfibre filters (Si O)

Used in analysis with gas at temperatures above 500 ° C or in contact with strong acid gases such as SO<sub>2</sub>, HCl, SO<sub>3</sub>, SO<sub>4</sub>, NO, NO<sub>3</sub>, except HF.

#### Technical specifications

Ref.	Weight in grams g/m <sup>2</sup>	Thickness mm	DOP retention (%) at 0.3 µm	Maximum temperature °C	Bonding agent
MFQ	85	0.38	99.999	900	NONE

- Filtration of water samples prior to analysis of color according to EC 79/869.



#### FILTER-LAB glass microfibre thimbles

With a wide range of diameters and lengths to suit all types of probes.

#### Technical specifications

Ref.	DOP retention (%) at 0.3 µm	Max. temperature °C	Bonding agent
1900	99.9	500	NONE



#### FILTER-LAB quartz microfibre thimbles

Used in environments with temperatures above 500 ° C or in contact with strong acid gases such as SO<sub>2</sub>, HCl, SO<sub>3</sub>, SO<sub>4</sub>, NO, NO<sub>3</sub>, except HF. Wide range of measures

#### Technical specifications

Ref.	Max. temperature °C	DOP retention (%) at 0.3 µm	Bonding agent
CQ 2000	900	99.9	NONE