Whatman glass microfiber filters, without binder, grade GF-A

GF/A: 1.6 um



Filters made of 100% borosilicate glass microfibre, chemically inert.

These filters combine filtration speed and high load capacity with a retention of very fine particles (even sub micron).

They can be used at temperatures up to 500 ° C and are ideal for air filtration and gravimetric analyzes of volatile materials that involve the incineration of residues.

They have a very fine capillary structure capable of absorbing much higher amounts of water than equivalent cellulose filters and therefore are ideal for spot tests and liquid scintillation counting methods. They can also be made completely transparent for subsequent microscopic examinations.

Grade GF / A: 1.6 µm

It has a fine particle retention capacity, a high filtration rate and a good load capacity. It is used in general high efficiency laboratory filtration, including monitoring of pollutants in wastewater, water filtration, alka and bacterial cultures, food analysis, protein filtration and radioimmunoassay of weak emitters β. It is recommended for gravimetric determination of airborne particulates, for smoke sampling and for absorption methods in monitoring air pollutants.

This filter is also available in the Whatman FilterCup: a practical disposable polypropylene filter funnel, 70 mm in diameter and with a capacity of 250 ml, equipped with an integrated thermo-bonded filter.

It is also available in the Whatman disposable filter funnel (47mm diameter and 250ml capacity). The 47mm GF / A filter can be easily extracted for further analysis or culture.

Technical features

Nominal retention of particles in liquids (at 98% efficiency)	1.6 µm
Nominal thickness	260 µm
Typical water flow	143 ml / min
Nominal base weight	53 g / m²
Nominal air flow	4.3 s / 100 ml / in (for 9 cm diameter)
Material	Borosilicate glass

Code	Description	Pieces per pack.
481820021	Whatman glass microfiber filters, without binder, grade GF-A diam. 21 mm	100
481820024	Whatman glass microfiber filters, without binder, grade GF-A diam. 24 mm	100

Code	Description	Pieces per pack.
481820025	Whatman glass microfiber filters, without binder, grade GF-A diam. 25 mm	100
481820037	Whatman glass microfiber filters, without binder, grade GF-A diam. 37 mm	100
481820042	Whatman glass microfiber filters, without binder, grade GF-A diam. 42.5 mm	100
481820047	Whatman glass microfiber filters, without binder, grade GF-A diam. mm 47	100
481820050	Whatman glass microfiber filters, without binder, grade GF-A diam. 50 mm	100
481820055	Whatman glass microfiber filters, without binder, grade GF-A diam. 55 mm	100
481820060	Whatman glass microfiber filters, without binder, grade GF-A diam. 60 mm	100
481820070	Whatman glass microfiber filters, without binder, grade GF-A diam. 70 mm	100
481820090	Whatman glass microfiber filters, without binder, grade GF-A diam. 90 mm	100
481820110	Whatman glass microfiber filters, without binder, grade GF-A diam. 110 mm	100
481820125	Whatman glass microfiber filters, without binder, grade GF-A diam. 125 mm	100
481820150	Whatman glass microfiber filters, without binder, grade GF-A diam. 150 mm	100
481820866	Whatman glass microfiber filters, without binder, grade GF-A 203 x 254 mm	100
481820915	Whatman glass microfiber filters, without binder, grade GF-A 460 x 570 mm	25