



Water Monitoring

Glass Microfiber Filters

Ahlstrom-Munksjö offers high quality glass microfiber filters used to determine total suspended solids in water.

Ahlstrom-Munksjö offers binder-free glass microfiber filters made with ultrapure water and characterized by fast flow rate, high loading capacity and retention of very fine particle. Ahlstrom-Munksjö introduces a new line of pre-washed and preweighed binder-free, glass microfiber filters for waste water analysis with greater accuracy to increase productivity and reliability in the lab.

Glass microfiber filters meet the highest requirement for applications including:

- Determination of total suspending solids in water (EN 872, STM 2540-D)
- Collection of suspended solids in potable water, natural and industrial wastes
- Filtration of algae and germs in water
- Drinking water control
- Consistent submicron retention efficiency
- Fast flow rate and high loading capacity
- Made of high-purity borosilicate without any binder
- Wide range of filter diameters available on demand
- Meet EU standards for drinking and waste water analysis
- Ready-to-use pre-washed and pre-weighed filters
- Biologically inert and resistant to most chemicals

Typical grade properties

| Grade | Basis weight (g/m ²) | Thickness (mm) | Particle retention in liquid |
|-----------|----------------------------------|----------------|------------------------------|
| MGA | 52 | 0.23 | 1.6 |
| MGC | 52 | 0.24 | 1.2 |
| MG 550 HA | 65 | 0.30 | 1.5 |
| MG 169 | 68 | 0.33 | 1.0 |

Glass microfiber filters (100 discs / box)

MGC binder-free glass microfibers filter is recommended for the collection of suspended solids in natural, potable water and industrial wastes and is conformed to the requirements of EN 872.

Pre-heated MG 550 HA and MG 169 are binder-free glass microfiber filters suitable for suspended solid

analysis and are temperature resistant up to 550° C. MG 550 HA is our traditional recommendation for STM 2540-D; MG 169 is a newer grade specifically designed to improve the ability to maintain the same weight before and after the drying procedure. All the filters must be washed, dried and weighed before use.

| Filter diameter (mm) | Grade MGA | Grade MGC | Grade MG 550 HA | Grade MG 169 |
|----------------------|-----------|-----------|-----------------|--------------|
| 47 | 410121 | 410054 | 410092 | 410264 |
| 50 | 410132 | 410055 | 410103 | 410265 |
| 55 | 410124 | 410056 | 410093 | 410266 |
| 70 | 410134 | 410057 | 410094 | 410267 |
| 90 | 410123 | 410058 | 410097 | 410268 |
| 100 | 410137 | 410206 | - | 410269 |
| 150 | 410136 | 410061 | 410101 | 410271 |

Other filter diameters are available on demand.

Pre-weighed glass microfiber filters (100 discs / box)

Save time and resources in your laboratory, with this convenient solution for your suspended solids testing. Ahlstrom-Munksjö pre-weighed and pre-washed solids testing filters are prepared by pre-washing and pre-weighing in accordance to the STM 2540. Each filter is

provided in an aluminum pan with the identified weight printed on the pan for ease of use. These filters are suitable for use in TSS testing and can also withstand the high temperature requirements for accurate VSS testing.

| Filter diameter (mm) | Grade MG 169-PW |
|----------------------|-----------------|
| 47 | 410276 |

Other diameters available upon request.

All glass microfiber filters are manufactured in ISO certified facilities.

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