

# Filtration

## Glass Microfibre Filters

### Whatman®

All Whatman Glass Microfibre filters have a fast filtration and a high loading capacity and particle retention rate.

- ◆ Manufactured without chemical binder from high grade borosilicate glass
- ◆ They are suitable for gravity or low suction filtration
- ◆ Filtration speeds generally very much higher than conventional cellulose papers
- ◆ Efficient retention of micron size particles
- ◆ Must be used flat. Ideal for use in flat perforated plate Buchner type funnels (not sintered glass models)
- ◆ Can be used up to 550°C
- ◆ Wide range of applications including:
  - retention of fine analytical precipitates
  - retention of biochemical gelatinous precipitates
  - water/air pollution analyses
  - as prefilters for membranes
  - scintillation counting
  - radioimmunoassay

#### Grades

**GF/A** The general purpose high efficiency glass micro-fibre filter. Particle retention to 1.6µm.

**GF/B** Three times thicker and with greater wet strength than GF/A. Particle retention to 1µm.

**GF/C** Extremely efficient filter made to retain fine particles and micro-organisms. Particle retention to 1.2µm.

**GF/D** Thick filter made from less fine fibres and retaining 2.7µm size particles with a very high loading capacity. Extremely high speed.

**GF/F** This ultra-fine filter has a 98% retention efficiency for particles down to 0.7µm in liquids.

**934-AH** High retention at high flow rates. Widely used in water pollution monitoring techniques for suspended solids, and is specified in US Method 934-AH. Particle retention to 1.5µm.

**EPM2000** Specially manufactured for use in air samplers with a high throughput of air.

**QM-A Quartz** Manufactured from quartz microfibre to withstand high temperatures.

All grades supplied in boxes of circles or sheets as indicated.

	<i>Dia., cm</i>	<i>Box qty.</i>
--	-----------------	-----------------

#### Grade GF/A Circles

<b>FB600-10</b>	2.1	100
<b>FB600-13</b>	2.4	100
<b>FB600-16</b>	2.5	100
<b>FB600-22</b>	3.7	100
<b>FB600-25</b>	4.25	100
<b>FB600-28</b>	4.7	100
<b>FB600-33</b>	5.0	100
<b>FB600-36</b>	5.5	100
<b>FB600-39</b>	6.0	100
<b>FB600-42</b>	7.0	100
<b>FB600-45</b>	9.0	100
<b>FB600-48</b>	11.0	100
<b>FB600-52</b>	12.5	100
<b>FB600-55</b>	15.0	100

	<i>W x L, cm</i>	<i>Box qty.</i>
--	------------------	-----------------

#### Grade GF/A Sheets

<b>FB602-25</b>	20.3 x 25.4	100
<b>FB602-35</b>	46 x 57	25

	<i>Dia., cm</i>	<i>Box qty.</i>
--	-----------------	-----------------

#### Grade GF/B Circles

<b>FB610-13</b>	2.4	100
<b>FB610-16</b>	2.5	100
<b>FB610-22</b>	3.7	100
<b>FB610-25</b>	4.25	100
<b>FB610-28</b>	4.7	100
<b>FB610-36</b>	5.5	100
<b>FB610-42</b>	7.0	100
<b>FB610-45</b>	9.0	25
<b>FB610-48</b>	11.0	25
<b>FB610-52</b>	12.5	25
<b>FB610-55</b>	15.0	25
<b>FB610-57</b>	18.5	25

	<i>W x L, cm</i>	<i>Box qty.</i>
--	------------------	-----------------

#### Grade GF/B Sheets

<b>FB612-35</b>	46 x 57	25
-----------------	---------	----

