Filtration
Laboratory, Filter Paper

ADVANTEC® Glass and Quartz Fiber Filters

For analytical or gravimetric studies

**Borosilicate Glass Fiber Filters** create a biologically inert filter matrix that is resistant to both chemicals and pH extremes. Use as prefilters to extend membrane life, for water/air pollution analysis, or liquid clarification. Filters without binder withstand up to 932°F (500°C); filters with binder withstand up to 250°F (120°C). Grades GC90, GS25, and DP70 with binder offer higher wet strength and lower fiber release.

**Quartz Fiber Filters** have very low trace metal content and can withstand temperatures up to 1832°F (1000°C). Use to sample acidic gases at high temperatures or for air pollution analysis.

---

**Grade** | Characteristics/applications
--- | ---
**Borosilicate glass fiber filters** | 
GA55 | General purpose; air pollution monitoring
GB140 | Low absorption; slower filtration speed for industrial waste analysis
GC50 | Membrane prefilter (<0.45 µm), for industrial and wastewater analysis and scintillation counting
GD120 | Membrane prefilter (<1.2 µm), high wet strength and high loading capacity
GF75 | Highest retention; filtering very fine protein precipitates and clarifying chemically aggressive solutions
GA100 | General purpose; filtering cells and precipitated proteins; air pollution monitoring
GA200 | Thick filter; filtering viscous fluids such as liquid sugars and gels
GB100R | Low trace metal content; sampling high and low volume aerosols for airborne dust and metal contaminants
GC90 | High wet strength
GS25 | Membrane prefilter (<0.65 µm), high wet strength
DP70 | High wet strength and very high loading capacity; dust and fine particulate sampling

**Quartz fiber filters**

QR200 | Low adsorption; high-temperature filtration and monitoring airborne particulates
QR100 | Superior chemical resistance, will not absorb acidic gases

---

**Grade** | Retention | Thickness | Water flow rate† | Binder | 25-mm dia Cat. no. / Price | 47-mm dia Cat. no. / Price | 90-mm dia Cat. no. / Price | 125-mm dia Cat. no. / Price | 142-mm dia Cat. no. / Price | 293-mm dia Cat. no. / Price
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
**Borosilicate glass fiber filters** | 
GA55 | 0.6 µm | 0.21 mm | 23 | None | T-06657-00 /bx of 100 | T-06646-02 /bx of 100 | T-06646-04 /bx of 100 | T-06646-05 /bx of 100 | T-06657-07 /bx of 100 | —
GB140 | 0.4 µm | 0.55 mm | 58 | None | T-06646-94 /bx of 100 | T-06646-12 /bx of 100 | T-06646-14 /bx of 100 | T-06646-15 /bx of 100 | T-06657-17 /bx of 100 | T-06657-18 /bx of 50
GC50 | 0.5 µm | 0.19 mm | 28 | None | T-06646-30 /bx of 50 | T-06646-32 /bx of 50 | T-06646-34 /bx of 50 | T-06646-35 /bx of 50 | T-06657-37 /bx of 50 | T-06656-13 /bx of 50
GD120 | 0.9 µm | 0.51 mm | 14 | None | T-06656-24 /bx of 50 | T-06656-26 /bx of 100 | T-06656-28 /bx of 100 | T-06656-29 /bx of 50 | T-06656-31 /bx of 50 | T-06656-32 /bx of 50
GF75 | 0.3 µm | 0.35 mm | 84 | None | T-06656-29 /bx of 100 | T-06656-31 /bx of 100 | T-06656-33 /bx of 100 | T-06656-34 /bx of 100 | T-06656-36 /bx of 50 | T-06656-37 /bx of 50
GA100 | 1.0 µm | 0.44 mm | 11 | None | T-06657-50 /bx of 100 | T-06657-54 /bx of 100 | T-06657-58 /bx of 100 | T-06657-59 /bx of 100 | T-06657-57 /bx of 50 | T-06657-58 /bx of 50
GA200 | 0.8 µm | 0.74 mm | 15 | None | T-06646-63 /bx of 50 | T-06657-67 /bx of 50 | T-06657-69 /bx of 50 | T-06657-70 /bx of 50 | T-06657-66 /bx of 50 | T-06657-68 /bx of 50
GB100R | 0.6 µm | 0.40 mm | 15 | None | T-06657-70 /bx of 100 | T-06657-74 /bx of 100 | T-06657-76 /bx of 100 | T-06657-77 /bx of 100 | T-06657-78 /bx of 50 | T-06657-79 /bx of 50
GC90 | 0.5 µm | 0.30 mm | 20 | Organic | T-06657-80 /bx of 100 | T-06657-82 /bx of 100 | T-06657-84 /bx of 100 | T-06657-86 /bx of 100 | T-06657-87 /bx of 100 | T-06657-88 /bx of 50
GS25 | 0.6 µm | 0.21 mm | 15 | Organic | T-06657-90 /bx of 100 | T-06657-92 /bx of 100 | T-06657-94 /bx of 100 | T-06657-96 /bx of 100 | T-06657-97 /bx of 100 | T-06657-98 /bx of 50
DP70 | 0.6 µm | 0.52 mm | 20 | Organic | T-06658-00 /bx of 50 | T-06658-03 /bx of 50 | T-06658-04 /bx of 50 | T-06658-06 /bx of 50 | T-06658-07 /bx of 50 | T-06658-08 /bx of 50

**Quartz fiber filters**

QR200 | — | 1.0 mm | — | Inorganic | T-06646-10 /bx of 100 | T-06646-12 /bx of 100 | T-06646-14 /bx of 100 | T-06646-16 /bx of 100 | — | —
QR100 | — | 0.38 mm | — | None | T-06658-20 /bx of 100 | T-06649-52 /bx of 100 | T-06649-54 /bx of 100 | T-06649-56 /bx of 100 | T-06658-26 /bx of 100 | —

†Time (in seconds) required to filter one liter of deionized water at 68°F (20°C) through 9.6 cm² using a 300 mm Hg vacuum.