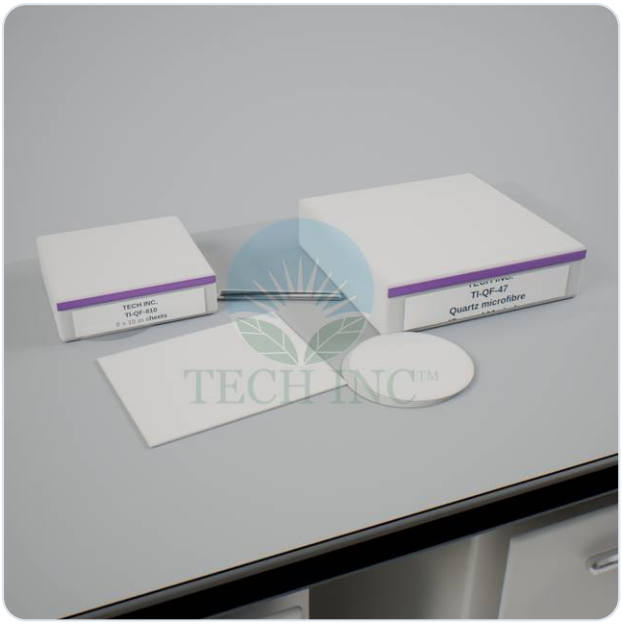
PRODUCT DATASHEET

Quartz Microfibre Filters

High-purity quartz for air and stack sampling, to about 900 °C





DETAIL – SHEETS AND CIRCLES

OVERVIEW

The Tech Inc. Quartz Microfibre Filters are made of high-purity quartz fibre with very low trace metal and alkali content. They stay stable to about 900 °C and resist acidic gases, so they suit ambient particulate monitoring, stack emission sampling and analysis of carbon and metals on the collected dust.

MODELS AND CONFIGURATIONS

- **Circles** – low- and medium-volume samplers.
- **8 × 10 inch sheets** – high-volume samplers.
- **Pre-fired** – organic and elemental carbon analysis.
- **Thimbles** – isokinetic stack sampling (see extraction thimbles).

TYPICAL DESIGN DATA

Model series	TI-QF (format and size)
Material	High-purity quartz microfibre
Maximum temperature	About 900 °C
Capture	Very high efficiency for fine particles
Formats	Circles 25 to 150 mm, 8 × 10 inch sheets
Pack	25 to 100, by size

APPLICATIONS

PM10 and PM2.5 ambient air monitoring, stack and flue gas sampling, organic and elemental carbon analysis, and metals on particulate.

KEY ADVANTAGES

- **High temperature** – hot stack gases
- **Clean blanks** – low trace metals
- **Acid resistant** – flue gas sampling

How to cite: Quartz Microfibre Filters (model TI-QF; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/quartz-microfibre-filters

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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