



Quartz Disc and Sheet Filters

Quartz Filters

Quartz fiber filters are made of ultra pure quartz fibers with no binders and glass fibers. The pure quartz composition prevents the filters from reacting with acidic gases, unlike glass fiber filters that can react and cause false readings. This makes quartz filters well suited for measuring heavy metal concentrations and small amounts of particles. Because of the low level of alkaline earth metals, 'artifact' products of sulfates and nitrates (from SO₂ and NO₂) are virtually eliminated. Quartz fiber filters are used for air sampling in acidic gases(except HF), stacks, flues and aerosols, particularly at high temperatures and in PM-10 testing as well as where absolute purity of the filter medium is required. The filters also exhibit good weight and form stability.

Features

- ★ Binder-free.
- ★ Biologically inert with highest chemical and thermal resistance.
- ★ Enables to pass through large volumes of air.
- ★ Filters made of pure quartz micro fiber (SiO₂), free of binding elements or additives.
- ★ Heat treated for reduction of trace organics and superior chemical purity.
- ★ High filtration efficiency.
- ★ Higher resistance than glass micro fiber. Very good up to 1000 °C.

Applications

- ★ Applications that require a maximum filter purity with a low metal content and no carbon traces.
- ★ High temperature and hot gas air monitoring applications.
- ★ Pollution controls performed on air in industrial stacks, smoke ducts and aerosols.
- ★ Sampling and analysis of PM-10 particles and other pollutants.

Specification

Type	Weight (g/m ²)	Gas Collection Efficiency (%) at 2.2 μm	Binder	Maximum Operating Temperature (°C)	pH in Boiled Water Extract
Standard	85	99.998	No	1000	6.5-7.5
Heat Treated	85	99.998	No	1150	6.5-7.5

Part Number	Description	Part Number	Description
CTZ-QS025-100	Quartz microfiber, high purity 1000°C (SiO ₂), (25 mm) (100/pk)	CTZ-QH025-100	Quartz microfiber, high purity 1150°C (SiO ₂), (25 mm) (100/pk)
CTZ-QS037-100	Quartz microfiber, high purity 1000°C (SiO ₂), (37 mm) (100/pk)	CTZ-QH037-100	Quartz microfiber, high purity 1150°C (SiO ₂), (37 mm) (100/pk)
CTZ-QS047-100	Quartz microfiber, high purity 1000°C (SiO ₂), (47 mm) (100/pk)	CTZ-QH047-100	Quartz microfiber, high purity 1150°C (SiO ₂), (47 mm) (100/pk)
CTZ-QS810-025	Quartz microfiber, high purity 1000°C (SiO ₂), (20,32x25,4mm)(8x10in)(25/pk)	CTZ-QH810-025	Quartz microfiber, high purity 1150°C (SiO ₂), (20,32x25,4mm)(8x10in)(25/pk)
CTZ-QS810-050	Quartz microfiber, high purity 1000°C (SiO ₂), (20,32x25,4mm)(8x10in)(50/pk)	CTZ-QH810-050	Quartz microfiber, high purity 1150°C (SiO ₂), (20,32x25,4mm)(8x10in)(50/pk)
CTZ-QS810-100	Quartz microfiber, high purity 1000°C (SiO ₂), (20,32x25,4mm)(8x10in)(100/pk)	CTZ-QH810-100	Quartz microfiber, high purity 1150°C (SiO ₂), (20,32x25,4mm)(8x10in)(100/pk)

Please [contact us](#) for other diameters.