

QUARTZ MICROFIBER FILTERS

Quartz Microfiber Filters are made of very pure quartz fibers with no binders and glass fibers. Some manufacturers and users call this filter Quartz Microfiber Filter too. 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 microfiber 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.

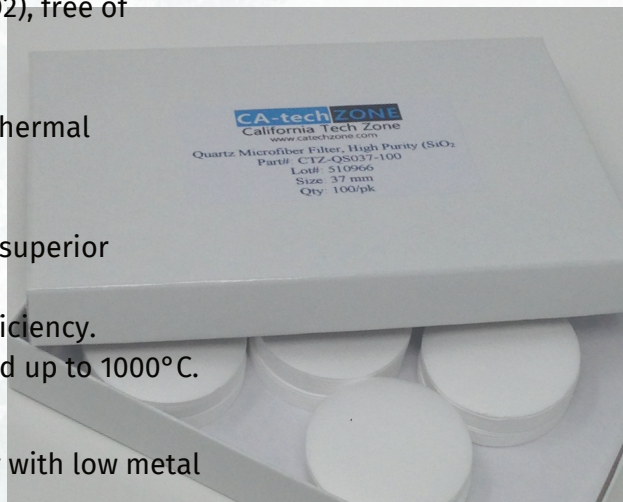
Quartz Microfiber Filters are used for air sampling in acidic gases(except HF), stacks, flues, and aerosols, particularly at high temperatures and in PM-10 testing as well as where absolute purity of the filter medium is required. Quartz Microfiber Filters also exhibit good weight and form stability.

Features

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

Applications

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



Specification

Weight (g/m ²)	: 85 g/m ²
Thickness (mm)	: 0.470 mm
Gas Collection Efficiency (%) at 2.2 μm	: 99.998 %
Maximum Operating Temperature (°C)	: 1000 °C
pH in Boiled Water Extract	: 6.5-7.5

Order Information

Part Number# Description

CTZ-QS025-100 : Quartz microfiber, high purity 1000°C (SiO₂), (25 mm) (100/pk)

CTZ-QS037-100 : Quartz microfiber, high purity 1000°C (SiO₂), (37 mm) (100/pk)

CTZ-QS047-100 : Quartz microfiber, high purity 1000°C (SiO₂), (47 mm) (100/pk)

Please contact us for other diameters.

EXTRACTION THIMBLE FILTERS

We have a wide selection of high-quality extraction thimbles available in a variety of dimensions to fit most Soxhlet extraction units. Our extraction thimbles are manufactured in high purity cellulose fibers or high purity glass binderless microfibers as have a consistent wall thickness.

These Extraction Thimble Filters use to a lot of applications such as Soxhlet extraction, food analyzing, waste solid analyzing, and biochemical analyzing, etc.

Applications

- Air and waste gas analysis
- Analysis of pesticide residues
- Collection of solid particles such as dust
- Elution for biochemical analysis
- Oil/fat content of solid foods
- Oil & grease analysis of solid wastes
- Soxhlet extraction
- Smokestack gas monitoring

Cellulose Soxhlet Extraction Thimble Filters

Specification

Maximum Temperature (°C) : 120 °C
Binder : None
Wall thickness (mm) : 1.0 ; 1.5 ; 2.0

Application Reference

- Fat determination of meat and dairy products
- Determination of PCB in fish products, of free fats and pesticide residues in food products
- Extraction of plasticizers from PVC
- Extraction of dioxins
- Solid particle such as dust collection in air
- Evaluation of liquid content in concrete slurry

Glass Microfiber Extraction Thimble Filters

Specification

Maximum Temperature (°C) : 500 °C
Binder : None
Wall thickness (mm) : 1.0 ; 1.5 ; 2.0

Application Reference

- Gravimetric methods for hot environments
- Gravimetric methods for acidic gasses
- Extraction methods common to biochemical analysis

Order Information

Part Number#	Description/Material - (IDxH)	Part Number#	Description/Material - (IDxH)
CTZ-CT5-001	: Cellulose 8x40 mm (25/pack)	CTZ-CT5-026	: Cellulose 33x205 mm (25/pack)
CTZ-CT5-002	: Cellulose 9x50 mm (25/pack)	CTZ-CT5-027	: Cellulose 34x120 mm (25/pack)
CTZ-CT5-003	: Cellulose 15x50 mm (25/pack)	CTZ-CT5-028	: Cellulose 34x150 mm (25/pack)
CTZ-CT5-004	: Cellulose 15x100 mm (25/pack)	CTZ-CT5-029	: Cellulose 38x200 mm (25/pack)
CTZ-CT5-005	: Cellulose 20x80 mm (25/pack)	CTZ-CT5-030	: Cellulose 30x150 mm (25/pack)
CTZ-CT5-006	: Cellulose 22x80 mm (25/pack)	CTZ-CT5-031	: Cellulose 40x123 mm (25/pack)
CTZ-CT5-007	: Cellulose 23x90 mm (25/pack)	CTZ-CT5-032	: Cellulose 43x130 mm (25/pack)
CTZ-CT5-008	: Cellulose 23x100 mm (25/pack)	CTZ-CT5-033	: Cellulose 48x145 mm (25/pack)
CTZ-CT5-009	: Cellulose 27x80 mm (25/pack)	CTZ-CT5-034	: Cellulose 48x200 mm (25/pack)
CTZ-CT5-010	: Cellulose 27x100 mm (25/pack)	CTZ-CT5-035	: Cellulose 48x230 mm (25/pack)
CTZ-CT5-011	: Cellulose 27x60 mm (25/pack)	CTZ-CT5-036	: Cellulose 51x145 mm (25/pack)
CTZ-CT5-013	: Cellulose 28x100 mm (25/pack)	CTZ-CT5-037	: Cellulose 51x180 mm (25/pack)
CTZ-CT5-014	: Cellulose 28x120 mm (25/pack)	CTZ-CT5-038	: Cellulose 57x315 mm (25/pack)
CTZ-CT5-015	: Cellulose 28x80 mm (25/pack)	CTZ-CT5-039	: Cellulose 60x180 mm (25/pack)
CTZ-CT5-016	: Cellulose 28x90 mm (25/pack)	CTZ-CT5-040	: Cellulose 55x275 mm (25/pack)
CTZ-CT5-017	: Cellulose 29x100 mm (25/pack)	CTZ-CT5-041	: Cellulose 75x160 mm (25/pack)
CTZ-CT5-018	: Cellulose 30x150 mm (25/pack)	CTZ-CT5-042	: Cellulose 68x250 mm (25/pack)
CTZ-CT5-019	: Cellulose 30x60 mm (25/pack)	CTZ-CT5-043	: Cellulose 70x330 mm (25/pack)
CTZ-CT5-020	: Cellulose 30x80 mm (25/pack)	CTZ-CT5-951	: Cellulose 33x80 mm (25/pack)
CTZ-CT5-021	: Cellulose 30x90 mm (25/pack)	CTZ-CT5-055	: Cellulose 90x200 mm (25/pack)
CTZ-CT5-022	: Cellulose 33x94 mm (25/pack)	CTZ-CT5-105	: Cellulose 20x80 mm (25/pack)
CTZ-CT5-023	: Cellulose 30x100 mm (25/pack)	CTZ-CT5-116	: Cellulose 28x90 mm (25/pack)
CTZ-CT5-024	: Cellulose 31x118 mm (25/pack)	CTZ-CT5-126	: Cellulose 31x205 mm (25/pack)
CTZ-CT5-025	: Cellulose 31x130 mm (25/pack)		

Please contact us for other diameters and Glass Microfiber Extraction Thimble Filters.