

QUARTZ MICROFIBRE FILTERS

Recommended filters for atmospheric pollution control and for particles determination at high temperatures.

- Filters made of pure quartz microfibre (SiO₂), free of binding elements or additives.
- Extremely low content in alkali-earth metals.
- Retention: Excellent retention of very fine particles through the adsorption mechanisms of quartz fibres.
- Air permeability: Extremely high. Enables to pass through large volumes of air.
- Chemical stability: Excellent stability with hardly any loss of filter-material due to chemical reactions under extreme conditions with acid gases (HCl, SO₂, SO₃, H₂SO₄, NO and NO₂).
- Resistance to chemical reagents: Excellent resistance to solvents, acids (except HF) and alkaline substances.
- Stability at high temperatures: Higher resistance than glass microfibre. Very good up to 950 °C; beyond this value it starts losing its normal properties.



TECHNICAL SPECIFICATIONS

Grade	Weight g/m ²	Thickness mm	TSI efficacy % (particles 0.3 µm)	T° Max C°	Binder
FQT	85	0,45	99,997	950	free

TRACE METALS (ppm)

Al	Ba	Ca	Cd	Co	Cr	Cu	Fe	Mg
300	10	250	0.002	<0.5	2	2	50	25

Mn	Na	Ni	Pb	Sr	Ti	V	Zn
2	100	2	<1	3	<1	<5	6

Detection limit 0,01 ppm.

APPLICATIONS

- Applications that require a maximum filter purity with a low metal content and no carbon traces.
- Filtration and analysis of both acid and alkaline gases and solvents.
- Immission: Sampling and analysis of PM 10 and PM 2.5 particles and other pollutants.
- Emission: Pollution controls performed on air in industrial stacks, smoke ducts and aerosols.

ORDERING INFORMATION

Grade	FQT
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37 mm	FQT037
42.5 mm	FQT0425
47 mm	FQT047
50 mm	FQT050
55 mm	FQT055
70 mm	FQT070
90 mm	FQT090
100 mm	FQT100
110 mm	FQT110
125 mm	FQT125
150 mm	FQT150
203 x 254 mm	FQT203254

Presentation: 25 units / box
Other sizes available on request.

