

Extraction Thimbles – Glass | Quartz

Micro-Glass Fiber Thimbles

○ Made of **micro-glass fibers** are used to sample dust particles and aerosols from gaseous streams. Both micro-glass and micro-quartz are highly temperature and chemical resistant. They share the same physical properties as filter circles of the same fibers. Thimbles of fine glass or quartz fibers are a convenient tool for the separation of aerosol droplets and condensate from gases used for analytical or technical purposes.

Micro-Quartz Fiber Thimbles

○ Made of **micro-quartz fibers** are used for emission testing in high temperature environments (up to 900°C). Unlike micro-glass fiber, micro-quartz may also be used for the analysis of acidic gases. Quartz meets the highest purity requirements due to the lowest possible heavy metal content.

Cellulose thimbles please see page 32.

Besides the excellent filtration characteristics, the extraordinary purity of the micro-quartz fibers has made them increasingly more important.

Typical Properties

Grade	Fiber Type	Penetration % (0.3 μm)	Conditioned	Temperature °C
ET/MG 160	Glass	< 0.002	–	500 max.
ET/MK 360	Quartz	< 0.002	yes	900 max.



Tolerances

Thimble Type	Micro-Glass Fiber	Micro-Quartz Fiber
Internal Diameter (mm)	+1 -3	+0 -3
Thimble Height (mm)	±1	±1
Wall Thickness (mm)	2 ±0.5	2 ±0.5

