

AIFILTECH · High-Temperature Flue Gas Purification

MULCERAFIL Ceramic Fiber Filter Tube / Ceramic Fiber High-Temperature Gas Filter

Ceramic Fiber Filter Tubes

Overview

The MULCERAFIL ceramic fibre filter element is a low-density, porous, tube-shaped filter formed from bonded inorganic fibre granules. Lightweight yet rigid, it needs no supporting cage and withstands 900 °C continuo...

Key Advantages

 Filtration efficiency
> 99.9% (typical conditions)

 Max. temperature
900 °C (continuous & peak)

 Emission concentration
< 2 mg/m³ (typical conditions)

 Filtration velocity
Determined by duty

 Service life
Up to 10 years (reference cases)

Technical Data

Max. temperature	900 °C (continuous & peak)
Filtration efficiency	> 99.9% (typical conditions)
Emission concentration	< 2 mg/m³ (typical conditions)
Filtration velocity	Determined by duty
Element form	Tube-shaped, no cage required
Material	Bonded inorganic fibre granules
Chemical stability	Resistant to strong acids & alkalis
Service life	Up to 10 years (reference cases)
Brand	AIFILTECH
Customisation	Available

Applications

Waste incineration

Metallurgy

Glass

Cement

Chemical plants

Hazardous waste treatment

Biomass boilers

Steel sintering

All data above are obtained under specific test conditions; the actual solution must be engineered to site conditions. Values listed here refer to standard models — AIFILTECH provides custom design and sizing based on actual gas volume, temperature, dust characteristics and emission limits.