Catalytic Ceramic Fiber Filter Element

Ceramic fiber filter element with an SCR catalyst route for combined particulate capture and defined catalytic treatment.

Product route

- White ceramic fiber element is the structural substrate
- Catalyst supports surface filtration plus treatment through the wall
- Applications include glass kilns, waste incineration, biomass and cement kiln gas
- Catalyst formulation and result require gas-specific review

Published reference values

Item	Reference
Operating window	200-400 C
Primary functions	Particulate capture plus NOx treatment
Additional reviewed targets	Dioxins, auxiliary SOx and selected VOC routes
Reference catalyst loading	About 1.2 kg per element
Element geometry	Tapered tube with integrated flange
Size route	Standard or drawing-based custom length and flange

RFQ inputs

- Full inlet gas analysis and outlet conditions
- Minimum, normal and maximum temperature
- Dust, flow, velocity and cleaning method
- Reductant route, tube sheet, count and disposal requirements

Order specification

State the required grade, dimensions, density, construction and operating conditions with your inquiry. The quotation and approved drawing identify the supplied configuration, electrical values and agreed inspection criteria.

Document type: Technical data sheet | Revision: 2026-11 | Contact: info@synthe-corp.com