PRODUCT DATASHEET

CEMS Probe Filters and Sample System Spares

Probe filters, fine filters and kits for CEMS





DETAIL – PROBE AND SAMPLE LINE

OVERVIEW

The Tech Inc. CEMS Probe Filters and Sample System Spares keep extractive stack-gas continuous emission monitoring systems (CEMS) running. Every extractive system pulls hot, dusty flue gas through a probe, heated line, cooler and pump before the analyser, and the filters, pump diaphragms and cooler parts in that path wear and are replaced several times a year.

MODELS AND CONFIGURATIONS

- **Probe filter elements, sintered SS** – for the in-stack or out-of-stack probe filter.
- **Probe filter elements, ceramic** – for hot or abrasive flue gas.
- **Fine filters, glass-fibre and sintered** – final particulate protection ahead of the analyser.
- **Pump and cooler kits** – diaphragm, valve and cooler parts packed for each system.

TYPICAL DESIGN DATA

Probe filter materials	Sintered stainless steel or ceramic
Fine filter materials	Glass fibre or sintered metal
Filter grade and size	Matched to the probe and filter housing, or to client specification
Fit	Interchangeable replacement for common OEM designs, cross-referenced by part number
Pump kits	Diaphragms and valves to suit the sample pump model
Cooler parts	To suit the sample cooler model
Operating limits	Flue gas temperature and dust load to the probe rating and client specification

APPLICATIONS

Stack-gas CEMS at power, cement, refinery, fertiliser, steel and petrochemical plants, calibration and service laboratories, and analyser system integrators.

KEY ADVANTAGES

- **Steady data capture** – fresh probe and fine filters keep sample flow steady and analyser readings stable
- **Made in-house** – sintered and ceramic elements manufactured in Chennai
- **Mixed fleets covered** – one catalogue cross-referenced to common OEM part numbers
- **Kitted per system** – pump, cooler and filter parts packed together for each maintenance visit
- **Direct replacements** – no change to the probe, cooler or analyser

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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