PRODUCT DATASHEET

Analyser Sample Membrane Filters and Filter Tubes

Membranes and filter tubes for gas analysers





DETAIL – VALVE AND FITTINGS

OVERVIEW

The Tech Inc. Analyser Sample Membrane Filters and Filter Tubes protect gas analysers from liquid and particulate carry-over in the sample system. A membrane filter passes the gas sample but stops entrained liquid, holding back condensate, glycol or amine in the sample line before it reaches the analyser cell or chromatograph column.

MODELS AND CONFIGURATIONS

- **TI-GM123** – 2-inch analyser sample membrane for liquid rejection in gas sample filters.
- **Particulate filter tubes** – replacement tubes for sample filter housings, with grade to client specification.
- **Coalescing filter tubes** – remove fine liquid aerosols upstream of the analyser.

TYPICAL DESIGN DATA

Membrane size	2-inch (TI-GM123)
Function	Passes gas and rejects entrained liquid and particulates
Membrane grade	To client specification, selected for the sample composition
Filter tubes	Particulate and coalescing grades, sized to the filter housing, or to client specification
Seals	Elastomer selected for the sample, or to client specification
Service	Natural gas, fuel gas, process gas and stack-gas samples
Operating limits	Sample pressure and temperature to the filter body rating and client specification

APPLICATIONS

Gas chromatographs, moisture, H_2S and oxygen analysers, natural gas and fuel gas sample panels, stack-gas analysers, and analyser shelter sample systems.

KEY ADVANTAGES

- **Analyser protection** – stops liquid slugs and dust before they reach the cell or column
- **Less downtime** – a membrane change is quicker than recovering a flooded analyser
- **Matched to the panel** – membranes and tubes sized to the plant's existing sample filters
- **Kits per point** – spares packed by analyser for planned maintenance
- **Single source for consumables** – supplied alongside gas coalescers and amine cartridges

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

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