PRODUCT DATASHEET

Sampling Cabinet for H_2S and Moisture Analysers

Sample cabinet for H_2S and moisture analysers





DETAIL – SAMPLE PANEL

OVERVIEW

The Tech Inc. Sampling Cabinet for H_2S and Moisture Analysers (model TI-SCS-HS) conditions high-pressure natural gas for on-line hydrogen sulphide (H_2S) and moisture measurement. It lowers the sample pressure, keeps the gas warm and removes liquids and particles before the analysers.

MODELS AND CONFIGURATIONS

- **TI-SCS-HS** – sampling cabinet for H_2S and moisture analysers.
- **H_2S, moisture or combined duty** – one cabinet serving one analyser or both, to client specification.
- **Yearly filter kit** – membranes, coalescer elements and regulator rebuild parts, with a service visit.

TYPICAL DESIGN DATA

Sample	Natural gas, sweet or sour
Measurements served	H_2S and moisture
Pressure reduction	Heated regulator, with inlet and outlet pressures to client specification
Heating	Thermostat-controlled, sized to keep the sample above its dew point
Filtration	Membrane separator, coalescer and particle filters
Wetted materials	Stainless steel, with inert-treated surfaces for H_2S service, or to client specification
Analyser interface	To the analyser maker's sample requirements

APPLICATIONS

Sour natural gas, sales gas H_2S and moisture limits, gas sweetening and dehydration unit outlets, transmission pipelines and metering stations, and gas compression plants.

KEY ADVANTAGES

- **Representative sample** – heating and a short sample path prevent condensation and H_2S losses on wetted surfaces
- **Safe handling** – a closed sample path, vent to a safe location and gas detection
- **Analyser protection** – liquids and dirt removed before the analysers
- **Easy maintenance** – yearly kits of membranes, coalescers and regulator parts
- **Matched range** – the same design basis as our GC and mercury cabinets

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

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