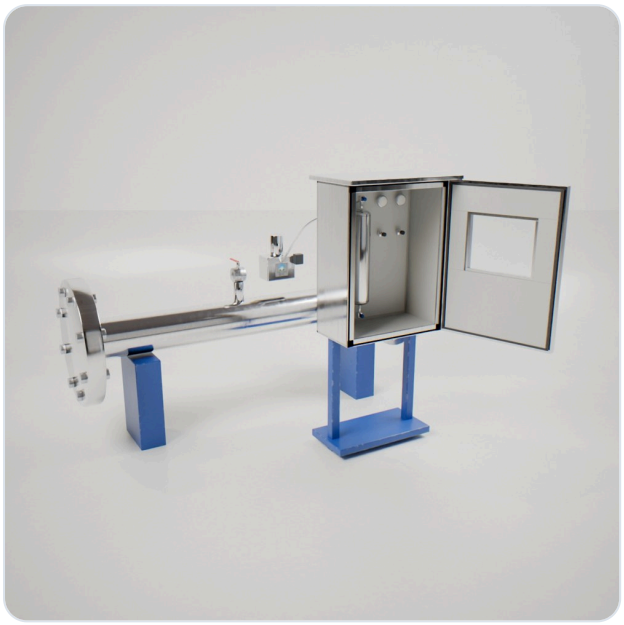
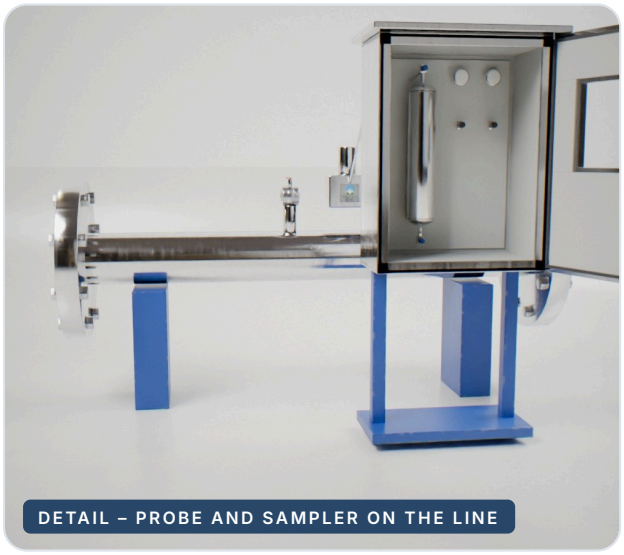
PRODUCT DATASHEET

Natural Gas Composite Sampler (GPA 2166)

Flow-proportional gas sampler for custody transfer





DETAIL – PROBE AND SAMPLER ON THE LINE

OVERVIEW

The Tech Inc. Natural Gas Composite Sampler takes small gas grabs in proportion to flow at a custody transfer point and collects them in a constant-pressure cylinder, so the laboratory analyses a sample that represents the whole delivery period. The heating value and composition behind every gas invoice depend on that sample.

MODELS AND CONFIGURATIONS

- **Flow-proportional sampler** – grabs paced by the flow computer for custody transfer.
- **Time-proportional sampler** – grabs at fixed intervals for allocation and quality monitoring.
- **Heated enclosure version** – for rich or wet gas that must stay above its dew point.
- **Twin-cylinder version** – two cylinders for automatic changeover and retained samples.

TYPICAL DESIGN DATA

Standards	Designed to GPA 2166 and ISO 10715, or client specification
Sample cylinder	Constant-pressure floating-piston cylinder, size to client specification
Wetted materials	SS316, or to client specification
Control	Flow signal from the flow computer; local controller with grab counter
Hazardous area	Components for classified areas, to client specification

APPLICATIONS

Custody transfer metering stations, gas processing plant outlets, pipeline interconnects, LNG send-out and city gate stations.

KEY ADVANTAGES

- **Representative sample** – grabs paced to flow, not to the clock
- **No dew-point loss** – the constant-pressure cylinder keeps heavy components in the gas
- **Safe cylinder changes** – purge and vent connections built into the enclosure
- **Matched receivers** – Tech Inc. builds the piston cylinders the sampler fills

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

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