



Welker® Heated Gas Sampler



Drawings/Photos may be shown with optional equipment

General Description

An enclosed heated gas sampler that ensures an accurate, fresh sample while keeping the gas well above the hydrocarbon dew point.

Application

Anywhere hydrocarbon dew points are a concern.

Features

- Gas or electric heater
- Strong, sturdy enclosure
- Mounts directly on pipeline
- Exterior-mounted temperature gauge

The Welker® Heated Gas Sampler ensures that sample gas will remain well above the hydrocarbon dew point, even in freezing conditions. The simple and compact piston-operated sampler guarantees a fresh, accurate sample with every actuation.

The modular design of the system provides for a variety of arrangements for the interior components and allows for easy installation and maintenance. All the components, including the heater, are inside a strong and sturdy thermoplastic, polyfiber enclosure.

The enclosure is designed to fit pipeline sizes from 2" to 20" and can be mounted perpendicular or parallel to the pipeline. It holds in the heat but also deflects external heat. The door on the enclosure is latched to allow for easy opening.

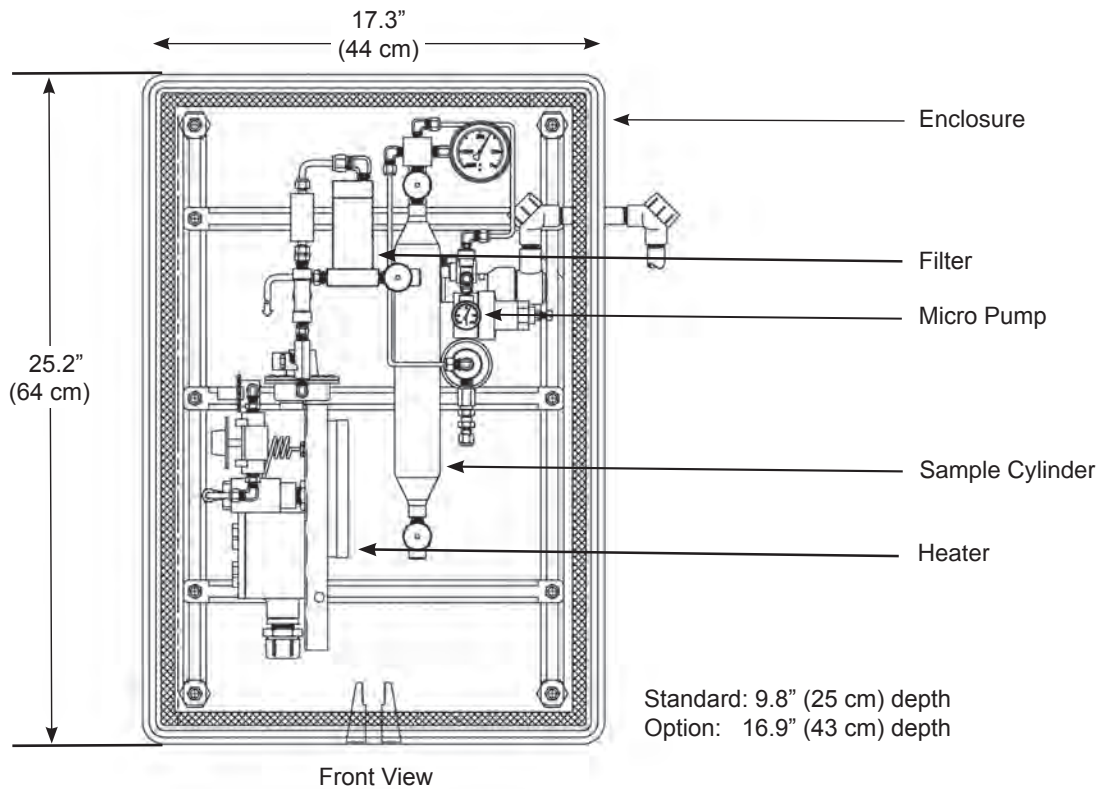
The heated sampler is mounted directly on top of the pipeline, ensuring complete heat transfer and limiting the effects of ambient conditions on the sample. Temperatures inside the enclosure can reach 200° F, while a safety shutoff provides overheat protection.

Specifics

- Modular design allows for interior components to be arranged in a way that best fits your application and makes it easy to install and perform maintenance.
- Ensures that gas remains at least 30° F above the hydrocarbon dew point and stays in a gas phase, thus meeting API 14.1.6.6 standards.
- All components, including the heater, remain inside the enclosure and are not exposed to the elements.
- All components meet Class 1, Division 1, Group D requirements.

Welker® ... When Excellence Counts!

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Standard

- Piston-style sampler
- Gas-powered catalytic heater
- Thermoplastic, polyfiber enclosure
- Modular mounting brackets for pipeline sizes from 2" to 8"
- 3-way solenoid
- External temperature gauge
- Cylinder-mounting manifold block
- Manifold block for pressure gauge
- Stainless steel tubing
- Thermal safety shutoff
- Patents pending

Options

- Vanishing chamber sampler
- Electric heater
- Liquid eliminator
- Brackets to fit up to 20" pipeline
- Cylinder
- Starter cable
- Test gauge manifold
- Sample probe
- External pressure gauge
- Extension pigtail for purging the cylinder
- Additional Arctic insulation



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