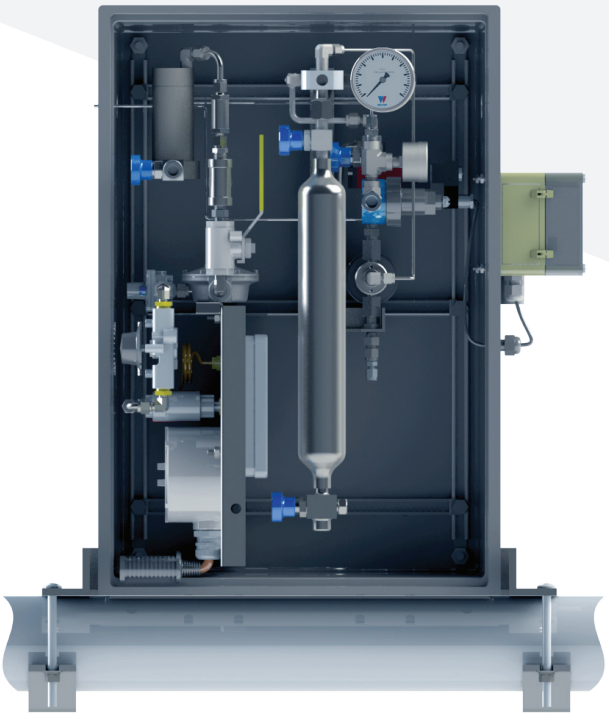
HGS Heated Gas Sampler

SAMPLE CONDITION

The Welker HGS Heated Gas Sampler is a composite sampling solution for natural gas at or near the hydrocarbon dew point. The HGS maintains the sampling equipment above the hydrocarbon dew point to ensure composite samples are representative and not distorted by phase change. Connect the HGS to a sample probe to collect fresh samples proportional to flow or time based.

FEATURES

- Welker Fresh Sample System™
- Positive displacement piston sample pump
- Inline relief at sample outlet
- Purge manifold with pressure gauge
- Stainless steel Welker regulator with 40-micron filtration and relief
- Catalytic or electric heater with thermostat (Welker F-7 Filter included with catalytic heater)
- IP65 insulated corrosion-resistant enclosure with external temperature gauge
- Universal pipe mount for pipelines 2" to 8"
- Optional onboard Welker 6Tc Timer/Controller



BENEFITS

- Self-purging design ensures a fresh sample every cycle
- Collect repeatable fixed volume samples at line pressure
- Inline relief prevents collected samples from flowing back to the pipeline if pipeline pressure drops
- Remove unwanted particles from process gas for sample pump actuation
- Maintain an internal temperature above the hydrocarbon dew point to prevent condensation
- Confidently sample in harsh environments and remote locations
- Parallel or perpendicular mounting with the same bracket
- Sample proportional to flow or time based without an external power supply (optional)

SPECIFICATIONS

HGS Heated Gas Sampler

	HGS
Materials of Construction	316/316L Stainless Steel Wetted Parts, Anodized Aluminum Non-Wetted Parts, Carbon Steel, Polyester/Propylene (Enclosure), PTFE, and FKM
Operating Pressure	1440 psig @ -20 °F to 120 °F (99 barg @ -28 °C to 48 °C)
Connections	Solenoid: ½" FNPT
	Product Inlet: ⅛" FNPT or ⅛" Tubing
	Relief Outlet: ¼" FNPT
Utility Requirements	Pneumatic: 65–70 psig (4.4–4.8 barg)
Electrical Connections	Electric Heater: AC 110 V
	Solenoid: DC 12 V or DC 24 V
Sample Volume	0.25 cc
Container Volume	300 cc
	500 cc
Dimensions	25" H x 17" W x 10" D
Industry Standards	Complies with API 14.1, ASTM D5287, GPA 2166, IS0 10715
Electrical Area Classification	Catalytic Heater: Class I, Div. 1, Group D
	Electric Heater: Class I, Div. 1, Groups B,C,D

Weight and/or dimensions are approximate.
Specifications subject to change without notice.

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