

HGS Heated Gas Sampler



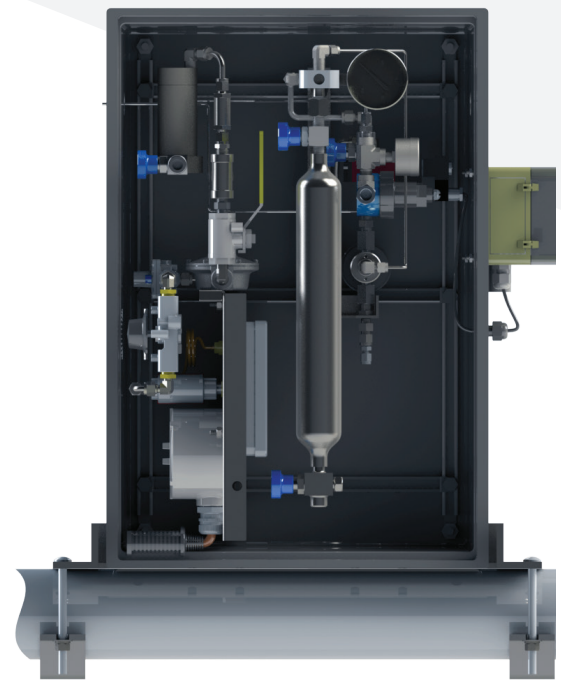
The Welker HGS Heated Gas Sampler is a composite sampling solution for natural gas at or near the hydrocarbon dew point. The HGS maintains the sampling equipment above the hydrocarbon dew point to ensure composite samples are representative and not distorted by phase change. Connect the HGS to a sample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

Features

- Welker Fresh Sample System™
- Positive displacement piston sample pump
- Inline relief at sample outlet
- Purge manifold with pressure gauge
- Heater with thermostat
- Insulated corrosion-resistant enclosure with external temperature gauge
- 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
- Maintain an internal temperature above the hydrocarbon dew point to prevent condensation
- Confidently sample in harsh environments and remote locations
- Sample proportional to flow or time 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, Teflon®, and Viton®
Connections	Actuation: ¼" MNPT Product Inlet: ⅛" MNPT Relief Outlet: ¼" MNPT
Utility Requirements	Pneumatic: 65–70 psig
Electrical Connections	Electric Heater: AC 110 V Solenoid: DC 12 V or DC 24 V
Sample Volume	0.25 cc
Container Volume	300 cc
Operation	500 cc
Operating Pressure	1440 psig MAOP @ -20 °F to 120 °F
Industry Standards	Complies with GPA 2166, API 14.1, ASTM D5287, ISO 10715

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

