



With an unparalleled history of representative sampling, repeatability, and accuracy, the Welker GSS-4PM Gas Sampling System has proven itself to be the superior composite sampling solution for natural gas—wet or dry, clean or dirty. The self-purging probe-mounted system collects fresh samples proportional to flow or time. The Vanishing Chamber™ collection cup ensures your samples will be as representative and accurate as the results of an online analyzer.

FEATURES

- Vanishing Chamber™ collection cup
- Probe mounted with isolation valve
- Welker Fresh Sample System™
- Positive displacement diaphragm sample pump
- Inline relief at sample outlet
- Purge manifold with pressure gauge
- Sample pump actuated by regulated process gas
- Holders for single cavity and constant pressure cylinders included
- Optional onboard Welker 4P Sample Frequency Controller or Welker 6Tc Timer/Controller
- Optional Welker LE-2SSKO Probe for wet gas streams

BENEFITS

- Captures and fully displaces samples to the sample cylinder
- Collect representative samples from the center one-third of the pipeline
- Perform standard maintenance without removing the system from the pipeline
- No lag time
- 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
- Purge sample cylinder using industry standard practices
- On-site monitoring of single cavity sample cylinder fill volume
- No auxiliary pneumatic supply required
- Mount and support your sample cylinder for proper filling and purging
- Connect an analog or digital signal to sample proportional to flow or time (optional)
- Sample proportional to flow or time without an external power supply (optional)
- Separate free liquids from the wet gas stream and return them to the pipeline (optional)

SPECIFICATIONS

GSS-4PM Composite Gas Sampler

| GSS-4PM | |
|---------------------------|--|
| Materials of Construction | 316/316L Stainless Steel, PTFE, and Viton® |
| | Others Available |
| Operating Pressure | With LE-2SSKO: 1440 psig @ -20 °F to 120 °F |
| | Standard: 2160 psig @ -20 °F to 120 °F |
| Pipeline Connection | ¾" MNPT |
| Electrical Connection | DC 12 V |
| | DC 24 V |
| Sample Volume | 0.22 cc |
| Operation | Diaphragm-Operated Motor |
| Features | Inline Relief |
| | Integrated Bypass Manifold With Valve Outlet Pressure Gauge Regulator With Relief and Pressure Gauge |
| Options | 4-Way Solenoid Valve (Standard) |
| | Manifold for Welker SC Single Cavity Cylinder (Standard) |
| | Welker 4P Sample Frequency Controller |
| | Welker 6Tc Timer/Controller |
| | Welker LE-2SSKO Probe Mounted Liquid Eliminator (Standard) |
| Industry Standards | API 14.1, ASTM D5287, GPA 2166, ISO 10715 |

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

