

WELKER COMPOSITE GAS SAMPLER



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Over two decades of research has led Welker to develop new techniques and equipment for increased gas sampling accuracy.

Welker Composite Gas Samplers are the only samplers capable of purging themselves 100% prior to sample collection regardless of gas quality.

Accurate, repeatable results are assured because the patented Vanishing Chamber collection head voids itself completely. With the use of a constant pressure sample cylinder, the Welker Gas Sampler is as accurate as any online analyzer and costs one-fourth less. It is not affected by temperature, pressure or ambient conditions.

APPLICATIONS

Distribution/transmission
Gas and power plants
Exchange stations
Compressor stations
Contamination checks
Production facilities
Industrial/chemical plants
Natural gas purchasing/accounting

FEATURES

- Samples gas at full pipeline pressure
- Pumps from vacuum to full pressure throughout sample period
- Operates timed or proportional to flow
- Interfaces with any metering system
- Self-contained (timed version)
- Intrinsically safe design
- Battery-powered

BENEFITS

- Simple to install
- Minimum maintenance
- Few moving parts to malfunction
- Withstands hydrocarbon service and corrosion
- Portable versions available
- Economical

SPECIFICATIONS

Pressure: Vacuum to 5,000 psig (345 bar)
Sample period: Variable
Cylinder: Constant pressure or standard
Timing: Timed, proportional to flow, RTU interface

Product: All gases
Collection Head Size: .065 cc to 1.5 cc, Standard (Larger options available)
Electrical: 6/12/24 VDC
110/220 VAC
50/60 Hz
Probes: Single or Pitot type, adjustable or fixed

COMPONENTS

Timing system
Sampler
Sample cylinders
Mounting bracket or enclosure
Probe

ACCESSORIES

RTU interface
Sample cylinder enclosure
Heat trace insulated tubing
Carrying case
Solar power
Heated enclosure
Leveling saddle
Pressure trend recorder

Welker Gas Samplers and Accessories are manufactured under one or more of the following U.S. Patents:

3,945,770	4,177,676	4,346,611
4,387,592	4,403,518	4,440,032
4,470,773	4,557,151	



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