

Low- or No- Pressure System with Integral Pump & Coalescing Filter

Key Features

- Ideal for Low- or No- Pressure Sample Sources
- Suitable for Slight-Vacuum Sample Applications
- Integral Sampling Pump
- 0.1 μ m Coalescing Filter for Particulates
- Pump Located Upstream of Analyzer

Overview

The Southland Sensing SS-1400 Sample System is designed for applications where the process does not provide enough positive pressure / flow to establish a reliable sample flow. An integral sample pump actively draws gas through the sample line and pushes a stable sample to the analyzer, making the system ideal for low-pressure, no-pressure, and slight-vacuum sample sources.

An integral 0.1 μ m coalescing filter helps remove entrained moisture and fine particulates before they reach the pump and analyzer, helping maintain a cleaner sample path and protect downstream components.

By combining sample extraction and filtration into a compact, permanently installed system, the SS-1400 simplifies sample handling and provides dependable analyzer flow across applications where passive sample delivery is not practical.

Analyzer Compatibility: Southland Sensing 150 and 525X series analyzers for O₂, CO₂, and H₂S measurement.

Sample Flow Diagram



**Analyzer not included*

Specifications

- Dimensions: 11.5 x 12.0 x 7.0 inches
- Material: 304 Stainless Steel
- Weight w/o Analyzer: 16.0 lbs

Optional Gas Connections

- 1/8 inch Compression Tube Fittings
- 1/4 inch Compression Tube Fittings
- 6mm Compression Tube Fittings