

# Crude Oil Sampling Systems

## Field-Proven Design, Reliable Results

Crude oil sampling systems are designed to capture and combine thousands of individual samples into a representative, composite sample of single-phase liquids in the flowing pipeline. Operation of the system centers on a sample pump and electric control system. All equipment, except for the pump, are skid mounted. The systems can operate in proportional-to-flow or time-based injection modes. With 60 years of experience, the system's quality is field-proven, delivering a reliable representative sample day-after-day, year-after-year.

## Features and Benefits

- Positive displacement pump with integral balance feature mounted directly to the pipeline
- Single or multi-vessel sample accumulators to deliver accurate injection for the application
- Electronic controller for proportional-to-flow or time-based operation
- Factory assembled and skid or cabinet mounted for ease of installation

## Options

- Direct or remote mounted sample pumps
- Sample accumulator capacities: 5, 10, 20, 30 gallon
- Actuation: pneumatic or hydraulic
- Severe service elastomers

## General Specifications

Maximum output	25.3 liters/day (6.8 gallons/day)
Maximum operating pressure	124 bar (1,800 psig)
Pump displacement	.25 to 1.8 cc/stroke
Operating temperature range	17°C to 60°C (0°F to 140°F) <sup>1</sup>
Power supply	120 vac - 220 vac
Actuation source	Hydraulic or Pneumatic
Flow Signal	Dry Contact of Voltage

<sup>1</sup>At temperatures below 0°C (32°F) conditioning of the actuation gas supply may be required. Operation at extreme temperatures may affect system performance.



## System Schematic

