

> **SP15 Liquid Insertion Sampler Probe**

The SAMPLEX™ SP15 liquid sampler probe is a device that allows the extraction of samples from crude oil or refined products. It can be installed live directly on the process line using a tapping and a shut-off valve. This reliable equipment provides high accuracy and repeatability in its representative sample volume, based on the recommendations of API 8.2, ASTM D4177, and ISO 3171.

Features

- Piston actuator with internal spring mechanism to ensure safe closure of the sample conduit.
- Live-line insertion capability for integration into process piping.
- Adjustable insertion length facilitated by specialized insertion tools.
- Integrated external relief valve featuring an adjustable pressure range tailored to process conditions.
- Fixed sample volume with multiple configurable grab volume options.
- Construction materials selected for compatibility with viscous crude oil operations, with available options for handling more corrosive fluids.



Applications

- Fiscal measurement
- Refined products
- Condensates sampling
- LPG sampling
- Custody transfer
- LACT units
- Land/sea loading/unloading

Specifications

Sampling fluids	Crude oil, refined products, and non-corrosive chemicals
Viscosity range	1 - 1500 cSt
Ambient temperature	-20 to 65 °C (-4 to 149 °F)
Materials of construction	316L Stainless Steel PEEK (Wetted Parts) Viton Seals
Process temperature	-40 to 100 °C (-40 to 212 °F)
Power Supply	Pneumatic or Hydraulic
Grab volume	0.5, 1, 1.5 or 2 cc
Repeatability	Better than API MPMS 8.2
Process connection	ANSI RF Flange (Optional to RTJ Flange)
Pressure range	ANSI 150, 300, 600, 900
Process pipeline size	2" to 52"

Requirements

Air or Oil	5 to 10 bar (75 to 145 psi)
Consumption	20 cubic feet per stroke
Minimum sample time	4 seconds/sample