

## ➤ **SP15 Liquid Insertion Sampler Probe**

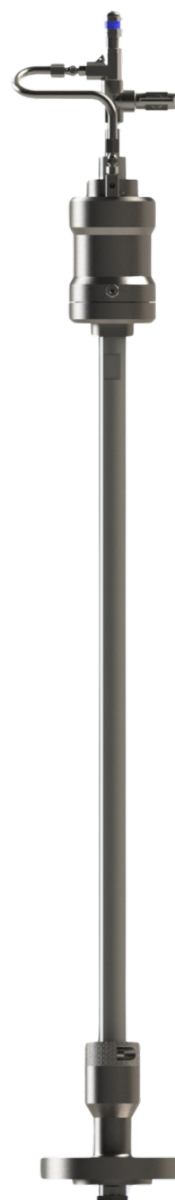
The SAMPLEX<sup>TM</sup> SP15 liquid sampler probe is a device that allows the extraction of samples from crude oil or refined products. It can be installed live directly on the process line using a tapping and a shut-off valve. This reliable equipment provides high accuracy and repeatability in its 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

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

## Requirements

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