

> **SP15 Liquid Insertion Sampler Probe**

The SAMPLEXTM SP15 liquid sampling probe is a device designed to extract samples of crude oil or refined products. It can be installed directly on a live process line through a tapping connection and a shut-off valve. It is a reliable piece of equipment that provides high accuracy and repeatability in obtaining representative sample volumes, based on the recommendations of API 8.2, ASTM D4177, and ISO 3171.

Features

- > Spring-loaded piston for safe closure of the sample passage.
 - Optional insertion and retrieval without the need to depressurize
- > the process pipeline.
 - Adjustable insertion length using insertion tools.
- > Integrated external relief valve with an adjustable pressure range according to process conditions.
- > Fixed sample volume with different grab volume options.
 - Construction materials suitable for viscous crude oil operations,
- > with options for more corrosive products.

Applications

- > Fiscal metering
- > Refined products
- > Condensate sampling
- > Custody transfer
- > LACT units (Lease Automatic Custody Transfer)
- > Truck and marine loading/unloading



Specifications

> Sampling fluids

Petróleo crudo, productos refinados y productos químicos no corrosivos

> Viscosity range

1 - 1500 cSt

> Process temperature

Desde -20 hasta 100 °C (-4 hasta 212 °F)

> Materials of construction

Completamente en acero inoxidable 316, Sellos de partes húmedas de tipo Viton y PTFE. Opcional de tipo Karlez para productos con alta corrosión.

> Power supply

Aire o aceite hidráulico

> Grab volume

0.5cc, 1cc, 1.5cc o 2cc. En caso de requerir otros volumen de muestra se puede solicitar

> Repeatability

Mejor conforme al API MPMS 8.2

> Relief valve

Material de acero inoxidable 316. Rango de ajuste acorde a la presión de máxima

> Connection

Conexión al proceso: Estándar 2" RF ANSI. Opcional a brida 3" RF o tipo RTJ. Conexiones a instrumentos de 1/4" FNPT

> Pressure range

ANSI 150, 300, 600, 900

Se puede fabricar para rangos de presión mayor de ser necesario.

> Process pipeline size

Modelo A: Tuberías de 50 a 305mm (2" a 12")

Modelo B: Tuberías de 355 a 610mm (14" a 24")

Modelo C: Tuberías de 610 a 1220mm (24" a 48")

Requirements

> Air / Oil

4 to 8 bar (60 to 120 psi)

Dependiendo de la presión de proceso

> Consumption

7ml/grab @ 4barg (0.25 scf/grab @ 60 psig)

> Minimum sample time

4 seconds per sample

Other SAMPLEX products

> SC15 Sampler cell

> SL15 Probe for sampler loop

> SR Reciever sampler

> Control-X Sampler controller

> HPU Hydraulic power unit

> LM35 Laboratory mixer pump

> SMS Static mixer

> SAMPLEX Automatic sampling systema

> startJET Motorized flow conditioner