

## LS-ACE Constant Pressure Sample Container



The LS-ACE is a constant pressure sample container designed to be used in live unstable crude oil and light liquid NGLs. With its impeller mixing system and integral N<sub>2</sub> pre-charge gas chamber, the LS-ACE can maintain sample quality and keep samples at pipeline pressure.

### FEATURES & BENEFITS

#### Integral N<sub>2</sub> Pre-Charge Gas Chamber

Ensures that the collected samples are maintained at pipeline pressure.

#### Impeller Mixing System

Provides a uniform mixture before withdrawal to maintain a homogeneous sample.

#### Sight Glass

On-site visual of the true volume of the lower liquid chamber.

#### Diverse Mixing Power Options

Mixes sample contents using a pneumatic or optional electric motor.

#### Removable Mixing Assembly

Allows for easy maintenance on-site.

#### Level Indicator

4-20 mA output for accurate measurement of container contents.



### SPECIFICATIONS

LS-ACE Constant Pressure Sample Container

#### LS-ACE

|                                      |                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| Materials of Construction            | Body: Stainless Steel, Piston: Aluminum, Seals: FKM (Other Materials Available Upon Request) |
| Maximum Allowable Operating Pressure | 1440 psig MAOP @ -20 °F to 100 °F                                                            |
| Sample Draw-Off Connection           | ¼" MNPT                                                                                      |
| Sample Inlet Connection              | ¼" MNPT                                                                                      |
| Container Volume                     | 3 US Gallons at 80%                                                                          |
|                                      | 5 US Gallons at 80%                                                                          |
| Sample Pump                          | Contact Sales for Custom Plus Welker Options                                                 |
| Mixer                                | Pneumatic                                                                                    |
|                                      | Electric                                                                                     |
| Level Transmitters                   | Radar (DC 24 V)                                                                              |
|                                      | Magnetostrictive (DC 24 V)                                                                   |
| Skid                                 | 10" x 12" Mounting Base (Other Options Available Upon Request)                               |
| Area Classification                  | Class I Division I, Group C&D, T3                                                            |
| Industry Standards                   | Complies with API 8.2, ASTM D1265, ASTM D4177, GPA 2174, ISO 3171, ISO 4257                  |

Weight and/or dimensions are approximate.  
Specifications subject to change without notice.

