

SCC Stationary Crude Oil Container



With the Welker SCC Stationary Crude Oil Container, you can collect and mix composite samples of stabilized crude in the same container. A stationary sample container and closed loop mixing system in one, the SCC is the ideal primary container for large batches of crude oil and lengthy sample periods.



Features

- Internal epoxy coating
- Static mixer and circulation system
- Local on/off switch
- Subsample draw off valve
- Skid-mounted sample container and mixing and cleaning system

Benefits

- Corrosion protection
- Prevents water and other components from clinging to the container
- Improves sample representativeness and water cut measurement accuracy
- Easier cleanup to prevent cross-contamination
- Kinetic and external energy uniformly mix contents to avoid sample bias
- Greater control over operations to prevent under- and overmixing
- Collect test specimens directly from the mixing loop during operation before the sample can re-stratify
- Reduce equipment costs and save space

The key features of Welker's SCCs meet the requirements of API, ASTM, and ISO to help maintain representativeness from collection to analysis.

ROUNDED BOTTOM

- No pockets or dead spots to bias the sample
- Facilitates mixing and complete sample withdrawal

INTERNAL SPRAY BAR

- Evenly disperses components during mixing for representative subsamples
- Evenly disperses solvent for thorough cleaning

PRESSURE RELIEF VALVE

- Protects the container from overpressurization

PRESSURE GAUGE

- On-site pressure indication

BOTTOM SUCTION PORT & TOP RETURN PORT

- Connect to closed loop mixing system to homogenize the sample and clean the container

HINGED FULLY OPENING LID

- Facilitates filling, inspection, and cleaning
- Protects samples from contamination and maintains sample integrity

VACUUM BREAKER

- Prevents cavitation during mixing
- Prevents a vacuum from forming during sample withdrawal

FILL VOLUME MONITORING

- Full-length sight glass for on-site monitoring
- Optional high-level switch for remote monitoring

SCC

Materials of Construction

Carbon Steel

Connections

1/4" MNPT, 1/2" MNPT

Volume

3 US Gallons, 5 US Gallons, 10 US Gallons, 15 US Gallons, 20 US Gallons, 30 US Gallons, 40 US Gallons

Operating Pressure

140 psig @ -20 °F to 100 °F

Industry Standards

API Chapter 8, ASTM D4057, ASTM D4177, ASTM D5854, ISO 3170, ISO 3171

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

