

Gas Sample Cylinder GSC



Gas Sampling

The Leutert Gas Sampling Cylinder GSC is used for sampling from the well test separator where no bottomhole sampler may be used.

Description

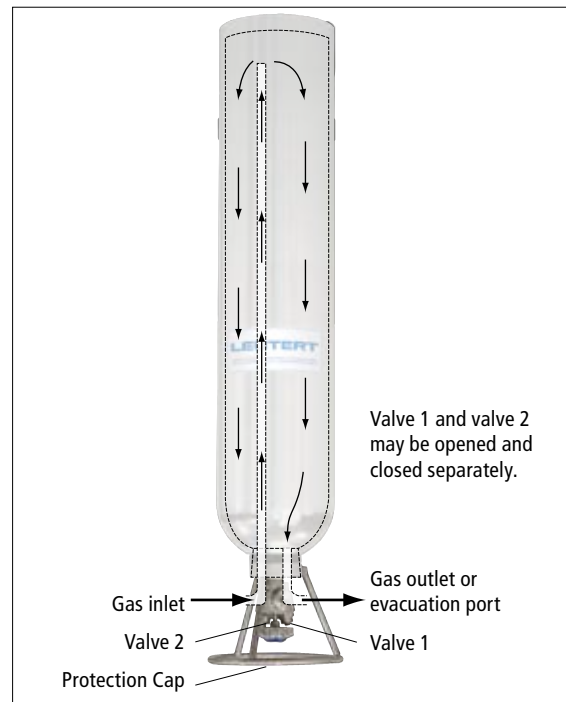
For every PVT analysis a true representative sample is required. One way of collecting such samples is using a bottomhole sampler like the Leutert Positive Displacement Sampler. Where that is impossible, samples may be taken from the well test separator during production testing operations. Gas, oil or condensate are collected separately at the same separator conditions. Later, the components are recombined for PVT analysis in the laboratory.

For such a case, Leutert Gas Sample Cylinders GSC with a large capacity of max. 20 liters ensure sufficient gas from a single sample for a complete PVT recombination study.

The Gas Sample Cylinder is made from aluminum for strength, corrosion resistance and metal fatigue resistance. It is also lighter than comparable steel cylinders making it easy to handle and more cost-effective in transportation.

The special two-entry cylinder valve and filler tube assembly allows filling the sample cylinder from the bottom like a double-ended cylinder. The complete sample taken from the separator may be extracted from the cylinder via the second inlet of the valve. In comparison to the average double ended sample cylinders, the Leutert Gas Sample Cylinder has the advantage of a stable base which makes its handling easier.

Condensate which might have entered the cylinder during sampling may be extracted by simply turning the cylinder upside down.



Technical Specifications

Sample capacity	: 4.4 gal (20 liter), other capacities available on request
Diameter	: 8.03" (204 mm)
Length	: 37.0" (940 mm)
Weight	: 59.5 lbs (27 kg)
Operating temperature	: -4 °F to 150 °F (-20 °C to 65 °C)
Operating pressure	: 2,900 psi (200 bar)
Test pressure	: 4,350 psi (300 bar)
Inlet connection	: 1/4" NPT female
Material	: cylinder: aluminum alloy, valve: stainless steel
Service	: sour
Certificates	: TPED / UN (approved for use in US)