

Gas Sample Cylinder



Sampling

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

Description

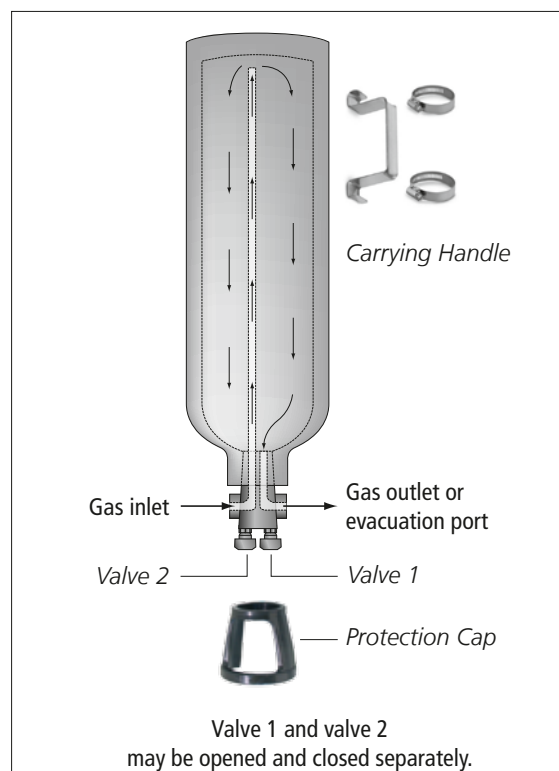
For every PVT analysis a true representative sample is required. One way of collecting such samples is using a bottomhole sampler like the Leutert Positive Displacement Sampler. Where that is impossible, samples may be taken from the well test separator during production testing operations. Gas, oil 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 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	5 l / 1.1 gal	10 l / 2.2 gal	20 l / 4.4 gal
Diameter	140 mm / 5.51"	140 mm / 5.51"	204 mm / 8.03"
Length	525 mm / 20.7"	965 mm / 38.0"	940 mm / 37.0"
Weight	6.57 kg / 14.5 lbs	11.4 kg / 25.1 lbs	23.4 kg / 51.6 lbs
Operating temperature	-20 °C to 65 °C / -4 °F to 149 °F		
Operating pressure	200 bar / 2,900 psi		
Test pressure	300 bar / 4,350 psi		
Inlet connection	1/4" NPT female		
Material	Cylinder: Aluminum Alloy, Valve: Stainless Steel		
Service	Sour		
Certificates	TPED		