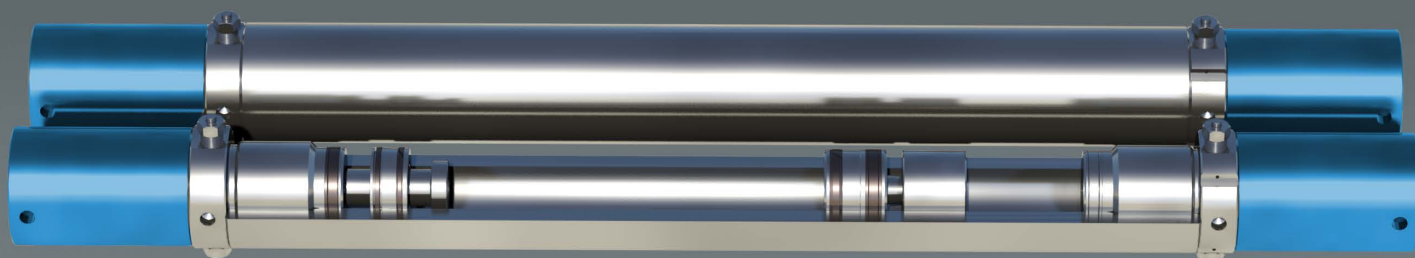


PT-15K Sample cylinder (single phase)

The PT-15K sample cylinder is a single phase piston type, with two end caps, a floating piston and vortex ring mixing device on the sample side of the piston. A displacement medium is used on the reverse side of the piston, which can either be a liquid or gas.



The end cap on the displacement fluid side includes an integrated nitrogen chamber, which is pressurized above the sample equilibrium pressure and thus maintains the sample in single phase.

Connections to the cylinder are via the integrated valves and 9/16" medium pressure Autoclave Engineer ports.

Normally the ports should be fitted with blanking plugs, providing secondary leakage protection.

The valve on the sample side has two connected ports to facilitate flushing of the sample connection or using a vacuum source to evacuate the system, prior to sampling.

Technical specification

Cylinder type:	PT-15K Single phase (Titanium construction)	Petroleum crude oil	UN 1267
Sample volume:	700 ml	Compressed gas, toxic, flammable n.o.s.	UN 1953
Nitrogen chamber volume:	70 ml	Compressed gas, flammable n.o.s.	UN 1954
Length (inc. valve protector):	895 mm	Hydrocarbon gas mixture, compressed, n.o.s.	UN 1964
Diameter:	76 mm	Hydrocarbon gas, mixture liquefied, n.o.s.	UN 1965
Weight:	14 kg	Methane, compressed or natural gas, compressed	UN 1971
MAWP:	1034 bar (15,000 psi) [test pressure 1479 bar 21,450 psi]	Petroleum gases, liquefied or liquefied petroleum gas	UN 1075
		Natural gas, compressed	UN 1971
		Nitrogen, compressed	UN 1066

Operating temperature range: - 40 °C to 121 °C (-40 °F to 250 °F)

Valves: Integrated into the end caps. Stainless steel with 9/16" medium pressure Autoclave Engineer connecting ports.

Formation Water: Water with dissolved inorganic salts in various quantities compositions.