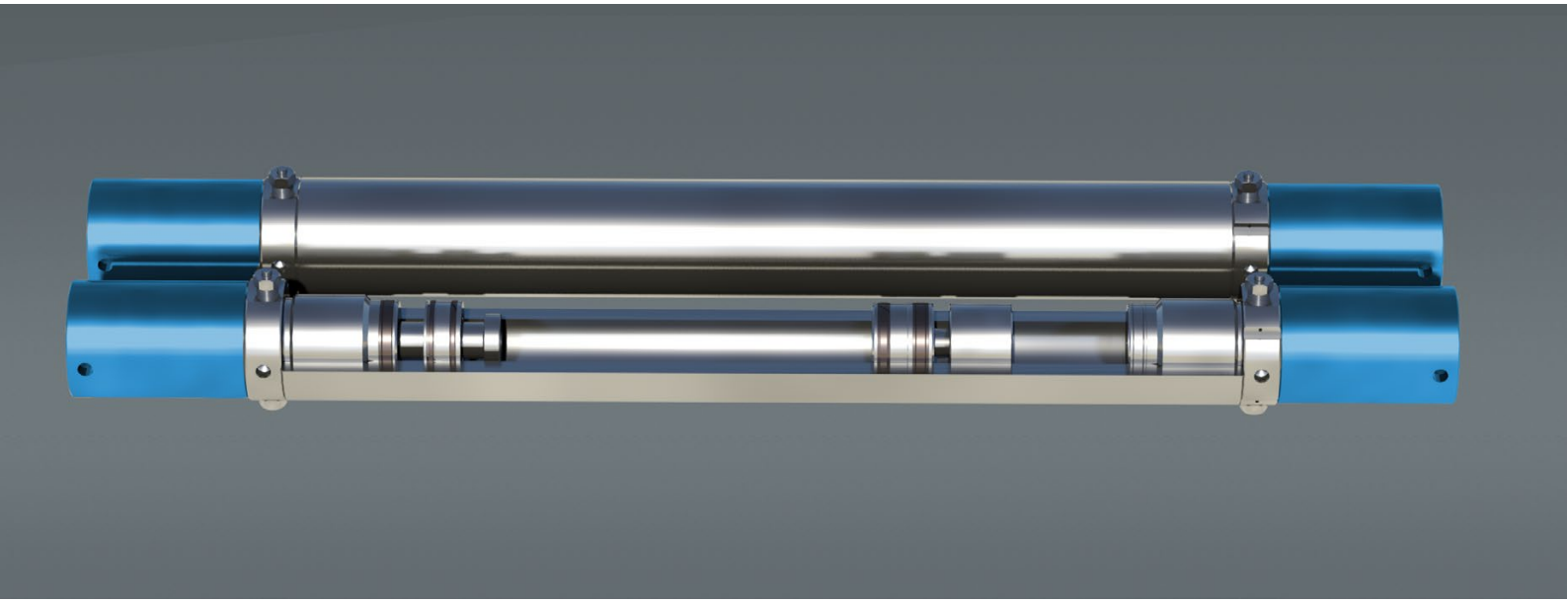
PT-15K Sample cylinder Titanium (single phase)

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)
Sample volume:	700 ml
Nitrogen chamber volume:	70 ml
Length (inc. valve protector):	895 mm
Diameter:	76 mm
Weight:	14 kg
MAWP:	1034 bar (15,000 psi)
	[test pressure 1479 bar 21,450 psi]

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.

Petroleum crude oil	UN 1267
Compressed gas, toxic, flammable n.o.s.	UN 1953
Compressed gas, flammable n.o.s.	UN 1954
Hydrocarbon gas mixture, compressed, n.o.s.	UN 1964
Hydrocarbon gas, mixture liquefied, n.o.s.	UN 1965
Methane, compressed or natural gas, compressed	UN 1971
Petroleum gases, liquefied or liquefied petroleum gas	UN 1075
Natural gas, compressed	UN 1971
Nitrogen, compressed	UN 1066

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