



Vortex Electric Gas & Liquid Sampler

Low pressure, electric operated sampling tool

The vortex mini gas sampling tool is designed to capture gas and liquid samples in a subsea environment and recover said samples to the surface in a low pressure state of no more than 14psi (0.96bar) by means of an electro mechanical operated syringe to ingest sample then purge sample into a sample bottle after recovery to surface.

This tool is designed to be deployed from the surface with the syringe bled of air immediately upon entering the water. Sample filling relies on the suck and blow pumping motion created by the syringe and associated relief valves. Sample taken can be discharged or cycled out of the syringe whilst under water if necessary.

Applications

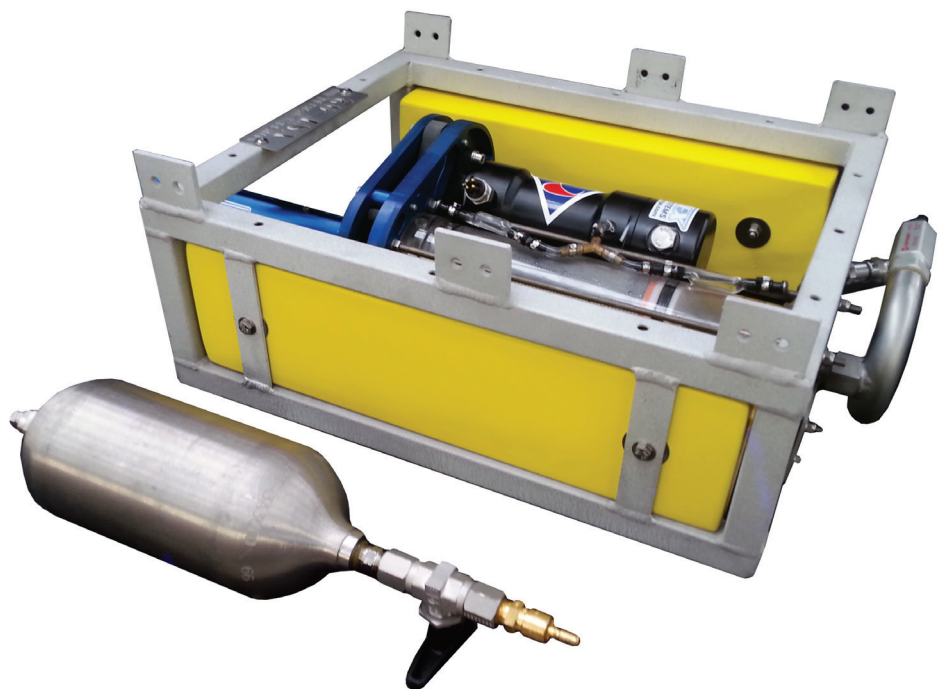
Capture, contain and recover liquid
Capture, contain and recover gas

Features

3000m / 9842ft depth rated
Mount to any ROV
Able to discharge sample subsea

In the box

Electric gas and liquid sampling tool
Rated sample bottle
Interconnecting cables
Operations and maintenance manual



Vortex Electric Gas & Liquid Sampler

Specifications



Syringe cylinder volume	580ml / 0.153gal
Sample bottle volume	1 litre / 0.264gal
Main relief valve setting on syringe	0.8bar / 12psi
Syringe body and end caps material	Acrylic
Piston material	Acetal
Piston rings / seals material	Nitrile 50 x 60 x 4
Piston cap o-rings material	Nitrile N70
Depth rating	3000m / 9842ft
Complete tool weight in air	12kg / 26.4lbs
Complete tool weight in water	2kg / 4.4lbs
Dimensions	680 x 400 x 210mm / 26.7 x 15.7 x 8.2in

Aberdeen
+44 (0)1224 771888

Abu Dhabi
+971 2 650 7710

Houston
+1 281 398 9533

Singapore
+65 6545 9350