

PDS/OPS Sampler



Description

The Positive Displacement Sampler (PDS) and One Phase Sampler (OPS) provide a method of capturing a representative well fluid sample for retrieval and analysis on surface. Both PDS and OPS systems provide a positive displacement method to capture, transfer without using mercury, transfer on location and transfer to transportable sample bottles. Confirmation of sample capture and sample validation can be performed before the sample is transferred.

The positive displacement design of the sampler is achieved by pressuring a buffer fluid prior to running the tool. When the sampler is activated, the well fluid pressure displaces the buffer fluid at a predetermined rate with consideration to well temperature and pressure characteristics. When the sampling process is completed, the chamber is automatically sealed and locked.

The PDS/OPS systems are field proven with a rugged design and have been used in the harshest of conditions. The samplers can be run on slick line, electric line, and in tubing conveyed sample carriers. Actuation of sampler can be by time, pressure or electric signal.

Samplers chambers with ceramic coating available for severe corrosive environments.

Operating Specification

NOMINAL TOOL SIZE	OD	1-11/16 in.
	Length	12.75 ft. / 15.25 ft.
	Weight	66 lbs. / 68 lbs.
VOLUME	Top	600 cc
TEMPERATURE RATING	Standard	360 °F
	Optional	400 °F
PRESSURE RATING	Standard W.P.	15,000 psi
	Optional W.P.	20,000 psi
SERVICE		H2S, CO2, Acid

