

Positive displacement sampler (PDS)

Features:

- ✓ Collect of high quality bottomhole samples
- ✓ Positive displacement operation
- ✓ Validation sample on sample chamber is available
- ✓ Mercury free transfer to shipping bottle on oilfield locations
- ✓ No risk of contamination during or after sampling
- ✓ High temperature operation up to 200°C
- ✓ Construction material Stainless Steel and Bronze alloy

For collect high quality bottomhole sample



Benefits:

- ✓ Outstanding performance
- ✓ Simple operation
- ✓ Excellent mechanics
- ✓ Minimal components
- ✓ Extreme long life
- ✓ Shortest sampling time
- ✓ Saves rig time
- ✓ Optimize the reliability reservoir evaluation
- ✓ Mercury free downhole sampling
- ✓ Compatibility with hostile environments
- ✓ Manufacturer's recertification available
- ✓ Cleaning requires little effort

Specifications

SAMPLER

Type:	Positive Displacement	
Max Pressure:	15000	Psia
Max Temperature:	200	°C
Volume:	600	cc
Length:	3.71	m
OD:	1-11/16	plg
Weight:	27.5	Kg
Construction:	Stainless Steel /Bronze	
Connections:	1/4	MP

Applications:

- ❖ Evaluate oil and gas wells
- ❖ Maximize reliable data to optimize the management of the reservoir production

Positive Displacement Sampler (PDS) can be run in cased holes by:

- ❖ Wireline



In tight or deviated wells!

Principle


Once the sampler is placed near the formation into the well, the positive displacement is achieved by pressurizing a buffer fluid prior to running the tool. The sampler is run, and then the well fluid progressively displaces the buffer fluid at precise rate flow under pressure and temperature conditions of the reservoir.



At adjustable sampling time fixed by the operator, the sampler is sealed and locked ready to be pulled back to the surface via WireLine or SlickLine systems.

Shipping cylinder

Reservoir fluids are stored in shipping cylinders in order to be transported from well site to the PVT laboratory. VINCI Technologies have designed a wide range of cylinders to cover all types of hydrocarbon fluids encountered in the oil industry.

Model	Features	Model	Features
	HPP Series 700-1000ml 10K-15K-20Kpsi Stainless steel titanium		FIS Series 150-300-500ml 2,800 psi Stainless steel Optional Teflon coated
	MHP Series 50-100-200ml 15Kpsi Stainless steel		LG Series 20liters 2,9Kpsi Aluminium
	CLight Series 300-650-1000ml 10Kpsi titanium		LPP Series 100-300-500-1000 ml 3Kpsi Stainless steel
	SPS Series 700-1000ml 10K-15K-20Kpsi Stainless steel titanium		

Transfer

The transfer bench is designed to transfer fluid sample from bottomhole sampler to piston type sample cylinder at site location.



A determination of the bubble point pressure can be performed for sample validation.

Heating jackets

Once the sampler is brought to the surface the temperature inside the tool and consequently the pressure inside the sample chamber drops and this result in changes of fluid properties. This situation can be reversed by using heating jacket which resume the fluid to its initial conditions in a shortest time.

Carrying cases



A carrying case is also available for transportation purposes for all VINCI devices.