

## Pressure compensated sampler (PCS) - 15K non-corrosive

Expro's Petrotech PCS is a single-phase bottomhole sampling tool with a pressure compensation system to keep the sample in monophasic condition from the reservoir to the surface. The tool can be deployed on carrier, slick-line, electric-line or coiled tubing.

Technical Specification:	
Length	13'8"/4.16 m
Weight	84 lbs/38 kg
Working Pressure	15,000 psi
Working Temperature	180°C
Sample Capacity	560 cc
Maximum OD	1.75"/44 mm
Material	Inconel
Test pressure	22,500 psi
Design code	ASME VIII
Max Time Delay	90 hours
Certified by	DNV

**Applications:**  
Single phase reservoir sampling has widely been accepted as the industry standard for reservoir PVT sampling, asphaltene analysis and Water studies, ie pH measurement. In addition the sampler may also have applications in Gas condensate fields where it is particularly important to obtain samples above dewpoint.

**Features:**

**Non-corrosive**  
The PCS provides service in the most demanding wells in the world containing extreme H<sub>2</sub>S levels.

**Positive displacement operation**  
A slow positive displacement of the floating piston ensures no pressure differential across the sample entry ports.

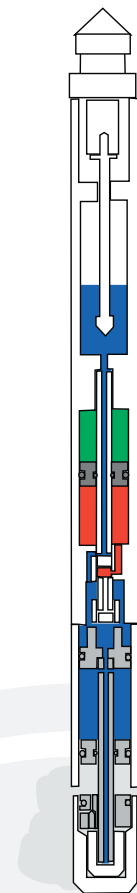
**No recombination required**  
As the sample is in single phase at surface, no lengthy sample transfer is required.

**Benefits:**

**Non-corrosive**  
The Non-corrosive design provides almost no H<sub>2</sub>S loss in the sample due to H<sub>2</sub>S corrosion in the sample chamber.

**No Phase change during retrieval**  
Unlike conventional dual phase samplers the PCS maintains the sample in single phase all the way to the surface.

**Fast Sample Transfers**  
With no requirement for sample recombination transfer is performed rapidly and with the minimum possibility of errors.



- Nitrogen cushion
- Power fluid
- Back-up fluid
- Reservoir fluid