

Sample bottle - 20K/25K psi

A single-phase sample bottle is a unique system for monophasic PVT sample transportation, keeping the sample at reservoir pressure or above, all the way to the laboratory.

A large mass profiled agitation ring is used to agitate the sample during bubble point determination. The valves are incorporated in the end caps, and the non-rotating valve tip allows repeatable low torque high pressure sealing.

Expro Petrotech also offers a non-reactive version. This bottle is designed for extreme conditions and allows analyses of chemicals components such as H₂S, mercaptans and mercury.

Technical Specification

Sample capacity	700 cc
Working pressure	1375 barg
Working temperature	200 °C
Weight	23 kg
Length	750 mm
Maximum OD	100 mm
Material	Inconel
Test pressure	2100 / 2750 barg
Design code	ASME VIII Div. 2
Certified by	DNV
Connection	1/4" AE HP F250C



Features:

Non-reactive service

The bottle is manufactured in a high quality material which is resistant to high H₂S and chloride concentrations.

Positive displacement operation

By use of a "floating piston", samples can be transferred to the bottle without flashing.

Mercury free operation

No mercury is needed to operate the bottle.

Single-phase

For asphaltene, bacteria, pH and corrosion studies.

Benefits & Applications:

- Single-phase sample transportation
- Minimal dead volume
- Safe operation

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 dew point.