

VP Vision

Vapor Pressure Crude Oil Package

ASTM D6377, ASTM D323, ASTM D3700, GOST R52340

Official Standard Method for Vapor Pressure of Crude Oil

The Vapor Pressure Crude Oil Package is a comprehensive solution for the transport and measurement of the vapor pressure of crude oil according to ASTM D6377 (Expansion Method). Unique Floating Piston Cylinder allows safe sample transfer of "live crude oils" according to ASTM D3700 and eliminates the risk of evaporation of light hydrocarbon ends during transport. Vapor Pressure Crude Oil Package is also strictly in accordance with the Russian standard GOST 52340.

FLOATING PISTON CYLINDER (FPC250)

The unique Floating Piston Cylinder (FPC250) was designed specifically for ASTM D6377. A mechanical stirrer is included to ensure uniform samples. No valve stems or handles protrude from the cylinder, reducing hazards. The FPC250 fully complies with ASTM D3700, D6377 and GOST R52340 methods.

Easy to Use

Attach the FPC to the sample source and flush it either manually or purge it with a continuous bypass stream of the sample. Then collect a representative sample and seal it inside the cylinder.

Manual Filling for ASTM D3700

The handle of the mechanical stirrer extends from the air-inlet side. It contains a compact pressure gauge to monitor the pressure of the crude oil inside the cylinder. The mechanical stirrer also enables manual positioning, making a back-pressure source in field unnecessary. The filling creates a back pressure of approximately 150 psi of air. That makes system suitable and sufficient for numerous sampling conditions.



Specifications

Sample Volume	250 mL
Max. Pressure	7000 kPa (1000 psi), Includes stirrer, manometer and rupture disk (12000 kPa)
Filling Tube	1x Steel Filling Tube: max. 7000 kPa (1000 psi); 2 Quick Connectors
Coupling	1x Quick Connector Nut
Pressure Regulator	Reduces pressure at instrument inlet
Filters	Spare filters to prevent clogging / wax contamination