CRUDE OIL PACKAGE

The **Official Standard Method** for Vapor Pressure of Crude Oil

The Crude Oil Package is a comprehensive solution for the transport and vapor pressure measurement of crude oil according to ASTM D6377. The 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.

VP VISION
Crude Oil Package

VP VISION
High Pressure
Pipeline Package

BENEFITS

Floating Piston Cylinder (FPC 250)

Collecting crude oils under constant pressure, floating-piston cylinders can avoid changes in gas/liquid composition. The Grabner Floating Piston Cylinder is a high quality stainless steel cylinder, which was carefully developed in cooperation with offshore personnel. The small, ergonomic cylinder holds 250 mL of sample and allows the collection, mixing, transfer and handling of crude oils. It fully complies with ASTM D3700, D6377 and GOST R 52340 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 the sample and seal it inside the cylinder.

Mechanical Stirrer

The FPC includes a built-in mechanical stirrer, to maintain a representative and uniform sample.

Manual Filling for ASTM D3700

The handle of the mechanical stirrer extends from the air-inlet side and 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. When the piston is in forward position, the filling of the FPC 250 automatically creates a back pressure of approximately 150 psi of air, which is suitable and sufficient for numerous sampling conditions.

VAPOR PRESSURE

CRUDE OIL PACKAGE

RELEVANT METHODS

- ASTM D6377 Crude Oil (VPCRx), specified for EPA TVP measurements
- GOST R 52340 Crude Oil (VPCRx)
- ASTM D3700 (LPG/Crude Oil sampling)
- Excellent correlation to ASTM D323, IP 409, JIS K2258-1 RVP

KEY FEATURES FPC 250

- Complies with crude oil / LPG standards
- Up to 70 bar pressure
- 250 mL sample volume
- Only 10 mL sample per test required
- Manual or pressurized filling possible
- Includes manual stirrer
- Includes stainless steel valves
- Includes high quality fittings
- Spare filters to prevent clogging/ wax contamination

AVAILABLE PACKAGES

VPV-SUB021	VP VISION Crude Oil Package (up to 2000 kPa inlet pressure)	
	Floating Piston Cylinder	Max. 7000 kPa (1000 psi), 250 mL sample volume, incl. stirrer, manometer, rupture disk, and spare filters
	Stainless Steel Filling Tube	Pressurized filling up to max. 7000 kPa (1000 psi)
	Coupling	Special coupling for crude oil filling tubes

VPV-SUB020	VP VISION High Pressure Pipeline Package (2000 - 7000 kPa)	
	Floating Piston Cylinder	Max. 7000 kPa (1000 psi), 250 mL sample volume, incl. stirrer, manometer, rupture disk, and spare filters
	Stainless Steel Filling Tube	Pressurized filling up to max. 7000 kPa (1000 psi)
	Pressure Regulator	Reduces inlet pressure to ‹2000 kPa
	Coupling	Special coupling for crude oil filling tubes

VPX-CRUDE-PACKAGE	VPXpert - Crude Oil Package	
	Floating Piston Cylinder	Max. 7000 kPa (1000 psi), 250 mL sample volume, incl. stirrer, manometer, rupture disk, and spare filters
	Stainless Steel Filling Tube	Pressurized filling up to max. 7000 kPa (1000 psi)
	PTFE Filling Tube	Pressurized filling up to max. 2000 kPa (290 psi)
	PTFE Calibration Tube	Filling at atmospheric pressure
	Pressure Regulator	Reduces inlet pressure to 300 kPa
	Coupling	Special coupling for crude oil filling tubes

CELEBRATING OVER 35 YEARS OF ANALYTICAL EXCELLENCE

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