



PVT Apparatus

● Description

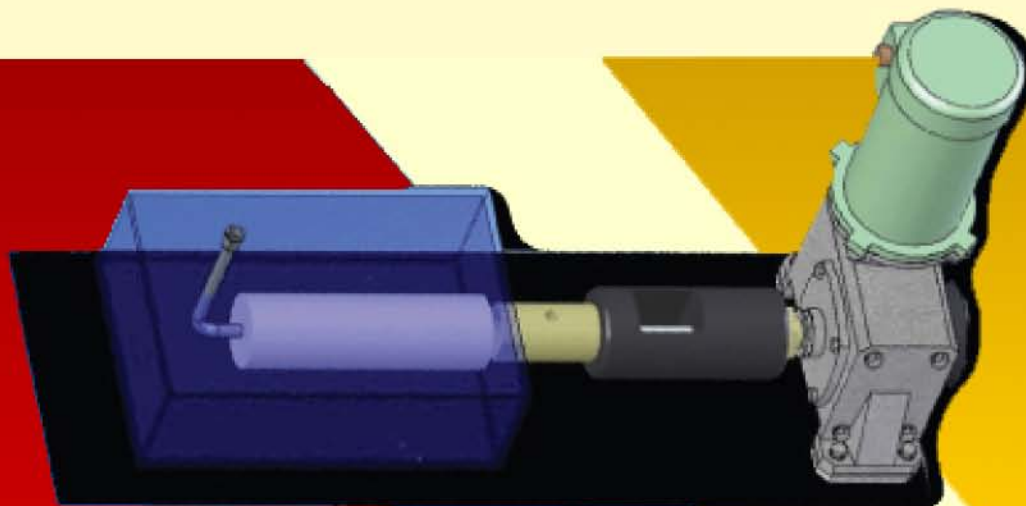
The PVT Apparatus is designed to measure the volume of a given amount of gas or liquid as a function of its temperature and pressure. The apparatus is completely automated and is computer controlled in order to yield precise data.

● Principle

The volume of the chamber of the apparatus is determined by calibration. The nonreacting gas or liquid is introduced into the chamber. The program automatically changes the temperature and pressure to the desired set values. The change in volume is recorded.

● Instrument

The instrument consists of a pressure generation, control, and measurement system, a temperature control and measurement system, a stainless steel gas chamber, and a Windows based software for ease of operation and accuracy of the results.



FEATURES

- Fully automated & computer controlled
- Windows based simple operation
- Accurate & Reproducible
- Robust & Requires little maintenance

SPECIFICATIONS

Pressure Generation Fluid.....	Air/Liquid
Pressure Range.....	Up to 5,000 psi with liquid Up to 200 psi with gas
	Accuracy: 0.25 % FS
Resolution.....	1/20,000
Temperature Range.....	Up to 90 °C
Accuracy.....	1 °C
Power Requirement.....	110/220 VAC, 60/50 HZ

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