

PVT Apparatus

Description

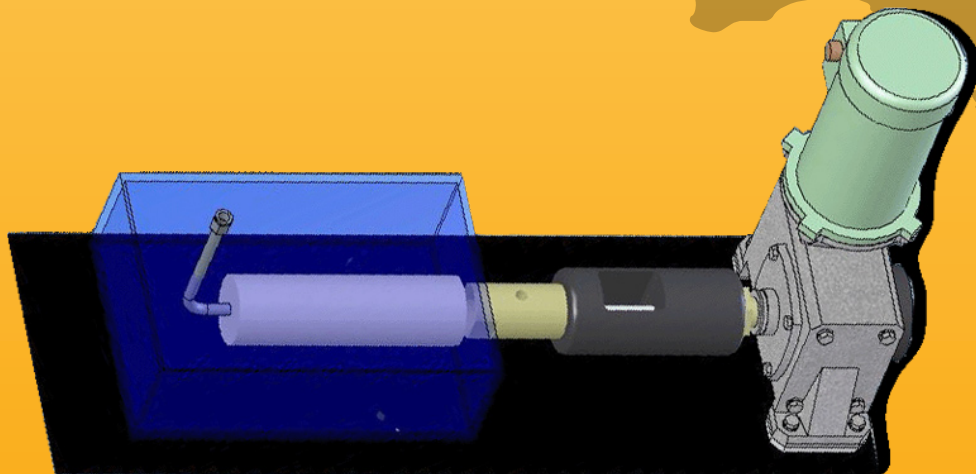
The PVT Apparatus is designed to measure the volume of a given amount of gas or liquid as a function of its temperature and pressure. The apparatus is completely automated and is computer controlled in order to yield precise data.

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 then 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 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 (194° F)
Power Requirement.....	110/220 VAC, 60/50 HZ

Other Products

Average Fiber Diameter Analyzer
Bubble Point Tester
Capillary Flow Porometer
Capillary Condensation Flow Porometer
Complete Filter Cartridge Analyzer
Clamp-On Porometer
Compression Porometer
Custom Porometer
Cyclic Compression Porometer
Envelope Surface Area Analyzer
Filtration Media Analyzer
High Flow Porometer
Integrity Analyzer

In-Plane Porometer
Microflow Porometer
Nanopore Flow Porometer
QC Porometer
Diffusion Permeameter
Gas Permeameter
Liquid Permeameter
Vapor Permeameter
Water Vapor Transmission Analyzer
Liquid Extrusion Porosimeter
Mercury/Nonmercury Intrusion Porosimeter
Vacuapore
Water Intrusion Porosimeter (Aquapore)

BET Liquisorb
BET Sorptometer
Gas Pycnometer
Mercury Pycnometer

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