

PVT Apparatus

Description

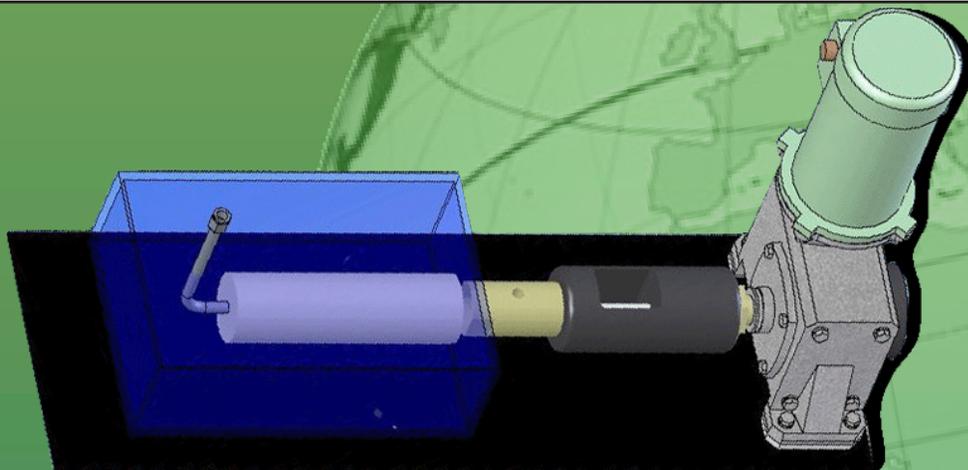
The PVT Apparatus is designed to measure the volume of a given amount of gas or liquid as a function of its temperature and pressure. The apparatus is completely automated and is computer controlled in order to yield precise data.

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

- Automated Battery Burst Pressure Tester
- Automated Pressure Regulator
- Automated Burst Pressure Tester
- Automated Valves
- Automated Gas Assisted Injection Molding System
- Computer Controlled Automated Pressure Regulator
- Automated Pressure Control System
- Custom Designed Systems
- Automated Pressure Gauge Calibration System
- Cyclic Pressure Control System
- Automated Pressure Holding System
- Enhanced Automated Pressure Control System
- Automated Pressure Leak Tester
- Supercritical Fluid Digital Pumping System

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Advanced Pressure Products
20 Dutch Mill Rd, Ithaca, NY 14850 USA
Tel: (607)-257-5544 Toll Free in USA & Canada: 1-800-APP-VALV
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07/09

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