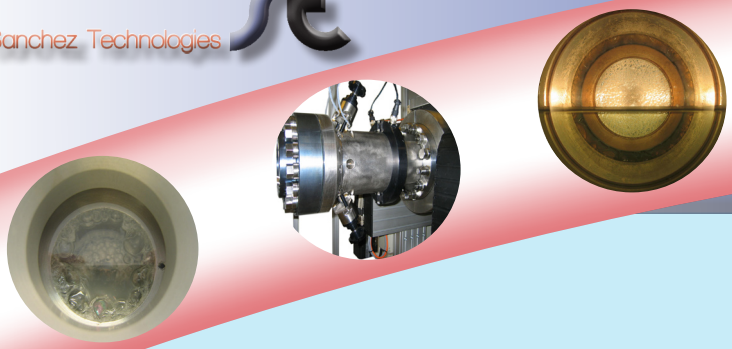
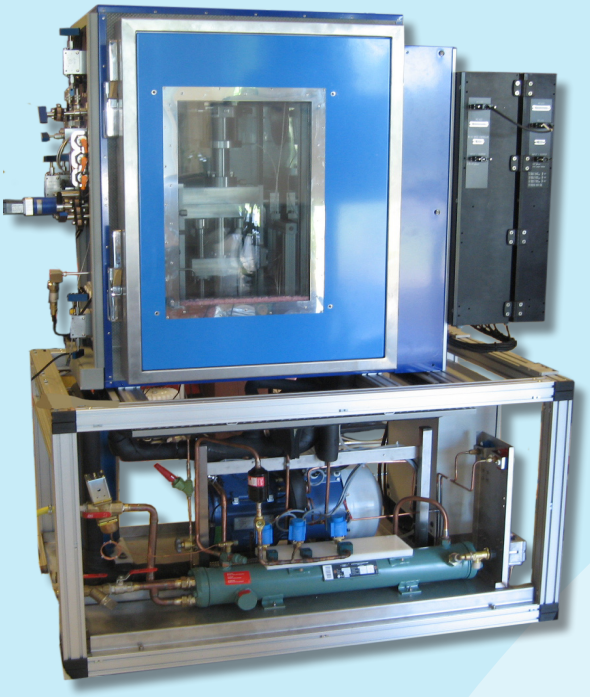
Sanchez Technologies

PVT 100/500



Thermodynamic

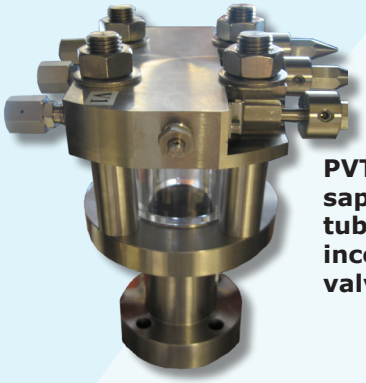
Generalities



Our High Pressure Gas-Liquid Phase Equilibrium Measuring System PVT 100/500 can be used to measure the vapor-liquid and vapor-liquid-liquid phase equilibrium.

The operating range of the apparatus is:

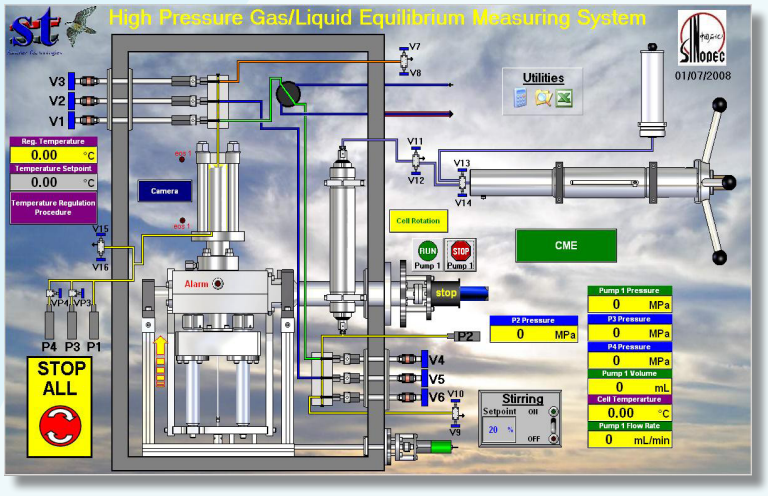
- ✓ Working pressure:vacuum to 50 MPa
- ✓ Temperature range: -40 to 260 °C



PVT cell with sapphire tube and incorporated valves head cell

The equipment is composed by:

- ✓ Motorized piston equilibrium cell 100mL/50 MPa
- ✓ Sapphire tube on the top of the cell (visual volume: 35 mL)
- ✓ Magnetic stirring
- ✓ Climatic air bath
- ✓ Vacuum pump (option)
- ✓ GC sampling valve lop (option)
- ✓ Video camera with zoom and display on PC
- ✓ Computer control software for data acquisition and processing
- ✓ Transfert sample system (piston bottle and manual pump) (option)



Synoptic

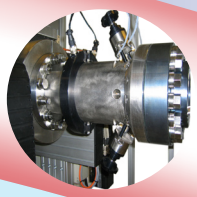
ISO 9001 BUREAU VERITAS Certification

ST SANCHEZ TECHNOLOGIES - SAS au capital de 52 000 € -
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Tèl: +33 1 30 35 40 42 - Fax: +33 1 30 35 33 92 - **Email: contact@stfrance.fr - http://stfrance.com**
Siret 404 287 195 00022 - APE N°2562B

PVT 100/500

Sanchez Technologies



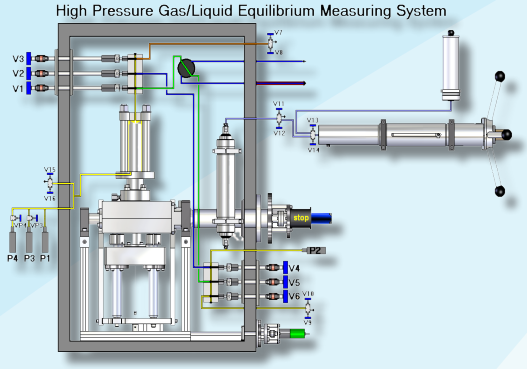


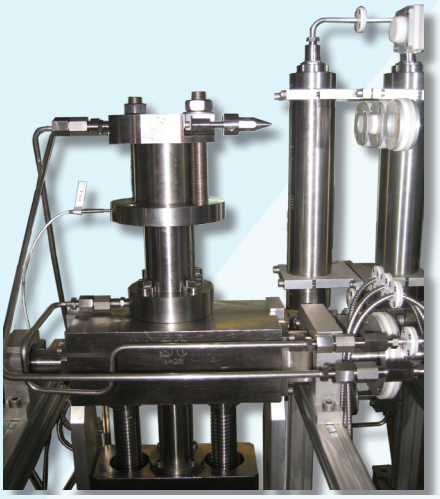


Thermodynamic

Specifications

- **Motorized sapphire equilibrium cell**
  - ✓ Working range pressure...vacuum to 50 MPa
  - ✓ Temperature range.....-40 to 260°C
  - ✓ Volume.....100 mL
  - ✓ Visual volume.....35 mL
- **Magnetic stirring**
- **Climatic air bath**
  - ✓ Temperature range.....-40 to 260°C
  - ✓ Temperature accuracy in the air ath...± -0.3°C
  - ✓ Temperature accuracy in the cell.....± -0.1°C
- **Pressure sensor**
  - ✓ Pressure range.....0 to 50 MPa
  - ✓ Accuracy.....0.1%
- **Temperature probe**
  - ✓ Temperature range.....-40 to 260°C
  - ✓ Accuracy of reader.....± 0.01°C
- **Manual pump for sample transfer (on option)**
- **Vacuum pump (on option)**
- **CCD digital video camera system**
  - ✓ 1.4 M pixels
  - ✓ Video signal.....numerical
  - ✓ Digital zoom.....10x
  - ✓ Working distance.....10mm to 800mm
  - ✓ Pictures.....JPEG, 1392x1040
- **Data acquisition and processing system**
- **High pressure valves, pipes and filters**





Our services

- ☞ Equipment delivered with 1st calibration
- ☞ Starting and training provided
- ☞ Maintenance contract
- ☞ Intervention within 2 to 5 days according to the country
- ☞ Immediate assistance by phone or email

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