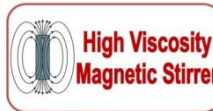


AUTOMATIC VISUAL PVT SYSTEM



FLUID EVAL



Applications:

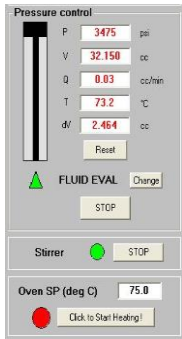
- Description of phase behaviour for black oils, volatile oils and gas condensates.
- Recombination of petroleum fluids

Benefits:

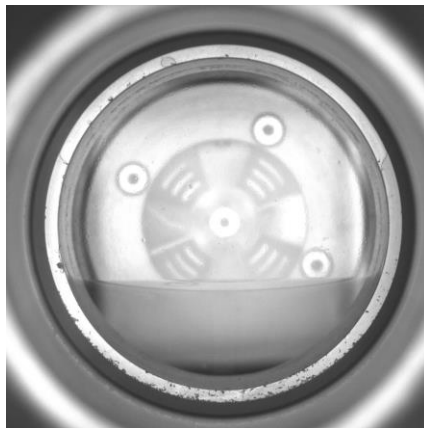
- * Versatile design
- * Mercury free operation
- * Minimum dead volume
- * Full sample visibility for greater operational capability
- * Embedded pump for precise pressure control and volume measurement
- * Video camera system for recording PVT experiments in real time
- * Magnetic driven stirrer for rapid phase equilibrium
- * Motorized rocking system for cell positioning
- * High temperature pressure transducer with extreme accuracy
- * Special polyimide sealing resistant against fast gas decompression
- * Sub-ambient temperature control

Features:

- Pressure rating to 100 MPa (15 KPsi) or 170 MPa (25 kPsi)
- PVT cell capacity of 400cc or 250cc
- Temperature up to 200°C with sub-ambient temperature capability
- Stainless Steel or hastelloy wetted parts according to level of corrosive fluids
- Efficient magnetic stirrer with ability to mix viscous fluids
- High pressure embedded pump to measure fluid volume very accurately at reservoir conditions
- Rocking system to invert the cell in upper position for oil studies and lower position for gas condensates studies
- Test sequencer to program and run test sequences automatically
- Automated video system for retrograde liquid volume measurement and saturation point detection
- Recording capabilities to export test data in excel files as well as video images for further retrieval



The Fluid Eval analyzer is the perfect tool to recombine and study with extreme accuracy the vapor-liquid-aqueous-solid equilibria of reservoir fluids including heavy, light and volatile oils, wet and dry gas condensates. Flow assurance studies including wax and asphaltene detection studies and hydrates studies can be performed with this instrument.



Liquid deposit

