

Flash Separator

Measurement of gas oil ratio (GOR)

The purpose of the Single Stage Separator apparatus is to flash pressurized liquids and measure the gas-oil ratio at equilibrium conditions. The liberated gas is measured with the gasometer at ambient conditions while the dead oil flashed is determined by gravity technique.

Experiment Description

Live oil from fluid vessel enters the separator. Velocity of fluid decreases because of expansion in cross section. Two phases have enough time to separate. Because of different specific gravity of oil and gas, oil settles down and gas goes to the top of the separator chamber.



Specification	SSS-BR01
Maximum Accumulator Pressure: 6000 Psi	✓
Accumulator Volume: 50 cc	✓
Separator Volume: 100 cc	✓
Pressure Accuracy: 0.1 % F.S.	✓
Temperature: Ambient	✓
Separator Pressure: Atmospheric	✓
Gasometer	✓
Connections: NPT 1/8 "	✓
Automatic Data Acquisition and Monitoring System	✓
Hand Pump	✓
Gas Volume Measurement Accuracy: ± 0.1 cc	✓
Power Supply: 220 VAC, 50/60 Hz	✓

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