

Recombination Cell Apparatus

Mixing oil and gas samples to produce live oil

Recombination cell enables us to mix oil/gas sample with the help of a hydraulic piston with a packing in PTFE Bronze/Viton. It is compatible with high pressure (400 bar) and high temperature (120 °C) with a sample of 1 or 2 Liters. The cell can be upturned. The head of the cell is equipped with two manual valves.

Experiment Description

Oil and gas solutions are injected at desired volume, heated at a desired temperature and pressurized at pressure above the saturation pressure for few hours to provide a homogeneous mixture of sample representing reservoir fluid.



Specification	RC-BR01	RC -PR01
Pressure Accuracy	1% F.S.	0.1% F.S.
Working Temperature	Up to 120°C	Up to 120°C
Cell Volume	1,000 cc	2,000 cc
Working Pressure:	Up to 6,000 Psi	Up to 6,000 Psi
Stainless Steel Material	✓	✓
Input Power Supply:	220 VAC, 50Hz	220 VAC, 50Hz
Mixing System	Manual	Electrical
User Friendly Automated Data Acquisition Software	✗	✓
Computer System	✗	✓

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