

M9730 Recombination Cell

The Grace Instrument M9730 Recombination Cell was designed to inject oil and gas in at a pre-determined volume, then mixed together and heated at elevated temperature and pressure conditions. The recombination cell is pressurized for a given number of hours, above the saturation pressure to produce a homogeneous, or consolidated mixture of the reservoir fluid.

The recombination cell is heated through a heating jacket for user-controlled temperature settings. A mag-drive stirrer, motorized rocking system are also built within the M9730 to correctly mix and agitate samples while subjected to HPHT conditions.

Features

- *Mercury-free apparatus used to combine liquid samples*
- *Heating jacket/mantel allows user to control temperature*
- *Volume of separator gas and separator oil are determined by user*
- *Can be transferred from recombination cell to a sample piston bottle*
- *Analyze data of GOR, oil shrinkage, and gas compressibility factor*
- *Instrument is based on a HPHT recombination cell*
- *Motorized rocking jacket, magnetic drive stirrer included for proper agitation and mixing procedures*

Specifications

Cell Volume:	2,000 cc
Max Working Pressure:	15,000 psi (1,000 bar)
Max Working Temp.:	Ambient to 175° C (350°F)
Pressure Accuracy:	0.1 % FS
Temperature Accuracy:	± 0.5 °C

Electrical Requirements: 220 VAC, 50 or 60 Hz, 1 ph