



Taha Kimia TajhizCo.



Core Lab



GOR Apparatus Flash Equilibrium Separator Datasheet

Reservoir Fluid Analysis-PVT\Gas Oil Ratio



Flash Equilibrium Separator – GOR Apparatus



Our Flash Equilibrium Separator is dedicated to the study of gas expansion of oil samples under pressure with the aim to optimize the separation of the oil/gas phase and the gas/oil ratio.

Specifications	
Working pressure	100 bar
Working Temperature	Ambient to 80°C
Flash Equilibrium Cell Volume	80 ml
Material:	
Cell	Stainless Steel
Sampling visualization	Glass window



Flash Equilibrium Separator – GOR Apparatus

Flash Equilibrium Separator has been designed to perform routine GOR measurements at different pressure and temperature stages:

- Separator stage from 1500psi to 15 psi and temperature ambient to 80°C
- Separator stage from 100 psi to 0 psi and temperature ambient
- Separator stage at ambient conditions, atmospheric pressure and room temperature

Thanks to its linear transducer and its CCD camera, the liquid/gas interface & measured volume offer a real user-friendly and accurate system.

All the system comes assembled on a frame made of aluminium. Equipped with 4 wheels, it makes the system easily movable by operator. Our system is composed of

- 1 flash equilibrium cell 80 cc 100 bar
- 2 back pressure regulators
- 1 cooling/heating system (thermostatic bath)
- 1 pressure sensor 100 bar
- 1 flash separator valve
- 1 volume measurement system
- 1 graduated test tube
- PC and Falcon® software
- 1 set of tubing, fittings and hand valves
- Manual 4 litre gasmeter GAS4000 (option)
- Cooling separation and liquid trap cell for full autonomous system (option)



Example of synoptic

