

PVT OPERATION: PVT Equipment

PVT Equipment Catalogue PVT Equipment

EQUILIBRIUM FLASH SEPARATOR

The Ruska Equilibrium Flash Separator is an instrument designed to aid in determinations of gas-oil ratios, relative volume, residual oil gravity, and related information on bottom hole or recombination samples. The instrument permits gas-oil ratio and shrinkage determination by the flash liberation or vaporization method.

In operation, the unit is used in conjunction with related equipment for the study of subsurface samples.

The instrument consists of a separator chamber equipped with a micrometer needle valve inlet (3/8-24 straight thread for Ruska 3/16 flared tubing), and a drain valve. The chamber with a volume of approximately 50 cc, is connected through stainless steel tubing and fittings to a pressure gauge and a back pressure regulator which can be isolated with a cut-off valve.

On models for controlled temperature experiments, a pyrex jacket is provided with inlet and outlet hose connections for circulating heating or cooling fluids.



EQUILIBRIUM FLASH
SEPARATOR

Specifications

FLASH EQUILIBRIUM SEPARATOR				
PRODUCT NO.	PRESSURE	TEMP.	WEIGHT	SPACE REQUIRED
2351-801-00	150 psi	200°F	29 pounds	19" x 17"
2351-802-00	10 kg/m ²	93°C	29 pounds	19" x 17"
2353-801-00	500 psi	200°F	37 pounds	19" x 17"
2353-802-00	35 kg/m ²	93°C	37 pounds	19" x 17"

The Flash Equilibrium Separator can be furnished for two pressure ranges (atmospheric to 150 psi and atmospheric to 500 psi) and to operate at temperatures to approximately 200°F.