

Dean Stark Extractor

With this device, the saturation is measured by a process of distillation extraction. The process uses a flask with a hydrocarbon solvent (toluene), a heating element, a condenser and a graduated receiver. Solvent (toluene) is heated to its boiling point (110°C) and the vapors move upwards evolving the rock sample. Toluene begins to extract the oil and water present in the rock. Based on the simple calculation, the saturation of water, oil and gas will be determined within a core sample.

Features:

Core sample diameter up to 1.5"

Core sample length up to 4"

Extractor capacity 250 ml

Boiling flask 500 ml

Heating temperature up to 400°C

Water cooling system 0.5 to 3 liters per minute, 18°C

Power supply 220 VAC 50 HZ

