



Your supplier of high pressure laboratory instruments

RCP CURING AND COMPRESSIVE STRENGTH TESTER

API RP 60



Description

The RCP tester, under computer control, assesses both unconfined and triaxial compressive strengths of curable resin-coated proppants, either with or without fracturing fluid, under downhole stress and temperature conditions. Additionally, the system allows for the curing of resin-coated proppant packs at elevated temperatures and varying closure stresses before undertaking a uniaxial compressive strength test. The setup includes a comprehensive range of components: a curing cell, a triaxial cell, a load frame and a confining pressure intensifier. Compressive strength data serves as an indicator of the bonding capability of curable resin-coated proppants, as well as their resilience against flowback. The system also enables studies on the impact of temperature and curing kinetics on the consolidation strength and stability of resin-coated proppants.

Specifications

Standard	ISO RP 60
Closure pressure	up to 10,000 psi
Temperature	up to 177°C (350F)
Proppant pack diameter	1 inch, 1.5 inches, 2 inches
Proppant pack length	twice the diameter
Wetted parts	Stainless steel
Power supply	220 VAC, 50/60 Hz

Benefits

- Available in different diameters
- Can be used for both proppant curing and compressive strength testing

Video presentation:



