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Core Lab

Centrifuge Over Burden System Datasheet

**Special Core Analysis Laboratory (SCAL)/
Capillary Pressure**



Centrifuge Over Burden System



With the same DC drive as the J6-HC, the J6-MC offers the same performance advantages, plus the added precision, convenience and separation efficiency provided by microprocessor control.

The smooth, rugged drive of the J6-Hc and the J6-MC minimizes downtime because its belt drive allows it to be positioned near the front of the instrument, where it is readily accessible for periodic brush changes. Throughput is maximized due to its high-torque performance and its favorable drive ratio, giving it a significant mechanical advantage over the rotors it spins.

This conversion allows a commercially available J6 Beckman centrifuge originally configured for room conditions centrifuge core displacement experiments to be converted for use under overburden pressure conditions. The hydrostatic coreholders are provided in sets of four and individually balanced to the spindle and trunion present in the centrifuge. It is recommended that two sets of four be purchased to allow for sample preparation of four samples whilst another set is being run in the centrifuge. The core holder assembly places the sample between the metal end pieces within an elastic sleeve, which acts as a barrier from the fluid, used to exert the hydrostatic confining pressure. The system accommodates confining pressure of 50 psi to a maximum of 4000 psi with temperatures ranging from ambient to 160 °F and a maximum of 3,500 RPMs. (centrifuge model selected controls maximum temperature range).