

Product Name :
Dynamic HTHP API Static Filter Press

Product Code :
LIM-CAT-L0047-00008



Description :

Dynamic HTHP API Static Filter Press

Technical Specification :

The Dynamic High Temperature High Pressure (HTHP) filter press measures filtration volume and cake building properties under varying downhole conditions. A motor driven shaft fitted with propellers turns at varying speeds inside a standard 500 mL HTHP cell. RPM settings from 1 to 1600 RPM impart laminar or turbulent flow to the fluid inside the cell. By varying the shaft length, the shear stress may be increased or decreased. The power is driven to the stirring shaft by a timing belt that is easily accessible for quick adjustment and removal. Features include a variable speed motor controlled through a SCR controller. RPM is indicated on a digital tachometer. The test procedure is exactly the same as that in the conventional HTHP filtration test. The only difference is the fluid circulates inside the cell while filtrate is being collected. Since the filter medium is conventional disk material, the results are fully comparable with those of other laboratories or for comparing historical trends.

Competitive Advantage:

The Dynamic HTHP Filter Press's unique design is touted for providing you with the most representative data possible.

The ability to vary the propeller used, the length of the shaft and the RPM allow you to more accurately resemble the wellbore.

Because of its flexibility, Dynamic HTHP Filter Press is very useful for a variety of applications, including drilling fluids, drill-in fluids, and completions.

In addition, Dynamic HTHP Filter Press is very economically priced compared to competitive models.

Features and Benefits:

Pressure: 1,250 PSI (8.6 MPa) static; 800 PSI (5.5 MPa) dynamic

Variable speed electric motor, ½ HP permanent magnet DC

Auxiliary pipe connection for the cell top cap. Plug may be removed to add additional fluid additives.

Safety calibrated rupture disk guards against overpressure

Motor & stirring shaft RPM operate at a one-to-one ratio

Adjustable thermostat from 100 to 500°F

Optional filter permeabilities available

Radial/axial flow propeller

Adjustable propeller to change distance above filter media.



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