



Taha Kimia Tajhiz Co.



Ofite Co.

Dynamic HTHP Filter Press Datasheet

Drilling Fluids Testing/ Filtration Equipment



DRILLING FLUIDS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

Dynamic HTHP Filter Press

The OFITE 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 3600 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.



Features

- The only **truly** dynamic filter press on the market
- Built-in cooling system allows the cell to be cooled before it is de-pressurized and removed from the jacket
- Auxiliary pipe connection for the cell top cap. Plug may be removed to add additional fluid additives.
- Safety calibrated rupture disk guards against overpressure
- Electronic temperature control (up to 500°F)
- Built-in pressure regulators
- Optional filter permeabilities available
- Radial/axial flow propeller
- Adjustable propeller to change distance above filter media





Technical Specifications and Requirements

- #170-95 Dynamic HTHP Filter Press, 115 Volt
- #170-95-1 Dynamic HTHP Filter Press, 230 Volt

Specifications

- Maximum Cell Pressure: 5,000 psi (34.5 MPa)
- Maximum Temperature 500°F (260°C)
- Variable Speed Motor: up to 3,600 RPM
- Digital Temperature Controller

Requirements

- Nitrogen source: 2,500 psi Maximum
- Water Source (for cooling): standard tap water
- Electrical: 115 Volt at 20 Amp or 230 Volt at 10 Amp, 50/60 Hz

