



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.



Permeability Plugging Tester with LCM Receiver

The Permeability Plugging Tester (PPT) is designed to run filtration tests on plugging materials without the interference of particles settling on the filter medium. It uses the same test cell as the standard HTHP Filter Press. However, in the PPT, the cell is inverted with the filter and receiver on top. Several filter media are available, such as ceramic disks, conventional filter paper, and slotted stainless steel disks. The cell is pressurized with hydraulic oil. A floating piston separates the oil from the test fluid to prevent contamination.

In loss circulation tests, slotted disks are often used to simulate the varying pore sizes found in downhole environments. Many slotted disks are permeable to large particles, which eventually end up in the back pressure receiver. These large particles can clog the narrow openings in standard back pressure receivers, valve stems, and bleeder valves. The Loss Circulation Receiver is designed to replace the traditional back pressure receiver when testing drilling fluids with large particles.

The Loss Circulation Material Receiver includes a modified outlet cell cap with a wider opening for filtrate. A filter inside the receiver protects the filtrate collection valve from getting clogged by large particles. And with the standard valve stem on the top, the receiver can be pressurized with either N₂ or CO₂ pressure assemblies.



Features

- Inverted cell eliminates the effects of settling
- Larger opening in the cell cap to prevent clogging from larger particles



Technical Specifications and Requirements

- #171-193-6K PPT, 6000 psi, with LCM Receiver, 115 Volt
- #171-193-6K-1 PPT, 6000 psi, with LCM Receiver, 230 Volt

Specifications

- Maximum Temperature: 500°F (260°C)
- Maximum Pressure (Cell): 6,000 PSI (41.4 MPa)

