



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.

Filter Press, HTHP, 175 mL, 4 Unit, with Regulators and Temperature Controllers

The new 4-Unit HTHP Filter Press from OFITE is ideal for high-volume laboratory testing. It accommodates four 175-mL HTHP filter press cells. Each cell has a separate electronic temperature controller and two separate pressure regulators (drive pressure and back pressure). This allows each cell to be heated and pressurized independently, while still sharing a single pressure source.



Features

- Four independent test stations
- Electronic temperature control
- Drive pressure and back pressure regulators for each cell
- Single pressure source
- Complete with all accessories necessary to run four simultaneous tests





Technical Specifications and Requirements

- 170-00-4S Filter Press, HTHP, 175 mL, 4 Unit, 115 Volt
- 170-00-4S-230 Filter Press, HTHP, 175 mL, 4 Unit, 230 Volt

Specifications

- Maximum Temperature: 425°F (218.3°C)
- Maximum Drive Pressure: 1,350 PSI (9.3 MPa)
- Maximum Back Pressure: 750 PSI (5.2 MPa)
- Cell Size: 175 mL (test cells sold separately)
- Pressure Requirements: 3,000 PSI (20.7 MPa)
- Power Requirements: Two 115-Volt or 230-Volt AC Power Sources

Optional Items

- 170-12-1 Test Cell, Single Capped, for Filter Paper
- 170-45 Test Cell, Double Capped, for Cement Screens
- 170-46 Test Cell, Double Capped, for Ceramic Disks
- 170-181-S Test Cell with Threaded Caps, 175 mL, for Drilling Fluids
- 170-182-S Test Cell with Threaded Caps, 175 mL, for Cement

Intro

The OFITE 4-Unit HTHP Filter Press Heat Jacket is designed to hold four, 175-mL HTHP test cells for simultaneous testing. Each cell has a separate temperature controller and two pressure regulators (drive pressure and back pressure) for independent testing.

Specifications

Maximum Temperature: 425°F (218.3°C)
Maximum Inlet Pressure: 3,000 PSI (20.7 MPa)
Maximum Drive Pressure: 1,350 PSI (9.3 MPa)
Maximum Back Pressure: 750 PSI (5.2 MPa)
Power Requirements: 115 VAC or 230 VAC configurations available (power cord included)
Cell Size: 175 mL (Cells not included)

Components

Included:

| | |
|---------------|--|
| #120-05-005 | Fuse Holder (230 Volt) |
| #120-05-005-1 | Fuse Holder (115 Volt) |
| #120-70-1-052 | Hose, Stainless Steel, 18" |
| #130-81-015 | Relief Valve |
| #130-81-028 | Regulator |
| #152-37 | AC Power Cord (115 Volt) |
| #152-38 | AC Power Cord (230 Volt) |
| #153-14 | Graduated Cylinder, 50 mL × 1 mL, Glass |
| #170-06-1 | Back Pressure Receiver |
| #170-07 | O-ring for Receiver Body |
| #170-19 | Filter Paper, Specially Hardened for Filter Presses, 2.5" (6.35 cm) Diameter, Box of 100 |
| #170-20 | Manifold Block |
| #170-93 | Wrench for Valve Stem |
| #171-45-7 | Thermocouple |
| #171-23-1 | Safety Pin with Lanyard |
| #174-03 | Temperature Controller |

Test Cells:

Test cells are not included with the instrument. The following 175 mL cells are available.

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|-----------|---|
| #170-12-1 | Test Cell for Filter Paper, 175 mL, Single Cap |
| #170-45 | Test Cell with Cement Screens, 175 mL, Double Cap |
| #170-48 | Test Cell for Ceramic Disks, 175 mL, Single Cap |
| #170-46 | Test Cell for Ceramic Disks, 175 mL, Double Cap |

Accessories:

| | |
|-----------|--|
| #170-13-3 | O-ring for Test Cell, Viton®/Fluorocarbon (FKM) |
| #170-16 | Valve Stem |
| #170-17 | O-ring for Valve Stem, Viton®/Fluorocarbon (FKM) |
| #170-26-1 | Locking Screw, Hardened Alloy Steel |

Safety

Optional:

Load Cell Accessory Kit:

#170-00-4S-LC Load Cell Assembly; Qty: 4

#170-00-4S-013 4-Port USB Hub

Nitrogen must be supplied in an approved Nitrogen Gas Cylinder and secured to meet safety standards.

Due to the high temperatures and pressures involved in this test, extreme care must be exercised at all times. All safety precautions must be met, especially in the cell breakdown procedure after the filtration procedure has been completed.