

# Filter Press, HTHP, 500 mL, Double Capped Cell for Cement Screens, N2 Pressure

**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 171-03  
**Availability:** Call for availability

## Description

**Introduction** The OFITE HTHP (High Temperature, High Pressure) Filter Press is designed for testing drilling fluids and cement under elevated temperatures and pressures. The unit simulates various downhole conditions and provides a reliable method for determining the effectiveness of the material being tested.

The complete assembly consists of the following:

- A controlled Nitrogen pressure source (not included)
- A pressure manifold with two regulators (primary and back pressure)
- A high-pressure test cell
- A heating jacket for heating the test cell
- A suitable stand

The components of the OFITE HTHP filter presses are fully interchangeable with those marketed by other manufacturers. The 171-00 series HTHP Filter Press is equipped with a 500 mL sample cell and four 200-watt heaters for temperatures above 350°F (176°C), making it ideal for laboratory use. Also included is a regulator manifold system for connecting to bottled nitrogen for higher pressures (up to 2,000 PSI / 13,880 kPa). All HTHP units may be ordered with 115 Volt or 230 Volt power requirements. A wide variety of accessories and replacement parts are also available.

**Specifications**

- Maximum Temperature:** 500°F (260°C)
- Maximum Pressure:** 2,000 PSI (13,880 kPa)
- Pressure Source:** Nitrogen (at least 1,500 PSI / 10,343 kPa)
- Test Cell Capacity:** 500 mL
- Voltage:** #171-00-C: 115V; #171-01-C: 230V
- Heater:** 800 Watt

**Dimensions**

- Size:** 10" × 18" × 42" (25 × 46 × 107 cm)
- Weight:** 53 lb (42.1 kg)
- Shipping Size:** 29" × 12" × 16" (74 × 30.5 × 41 cm)
- Shipping Weight:** 65 lb (29.5 kg)

**Components**

- #153-12: Graduated Cylinder
- #154-20: Thermometer with Metal Dial, 8" Stem, Dual Scale: 50° - 500°F / 0° - 250°C
- #170-13-3: O-ring for Test Cell
- #170-17: O-ring for Valve Stem
- #170-19: Filter Paper, 2.5" (6.35 cm) Diameter, Box of 100
- #170-35: Adjustable Wrench, 6"
- #171-00: Heating Jacket, 115 Volt
- #171-01: Heating Jacket, 230 Volt
- #171-10: Back Pressure Receiver
- #171-19: Test Cell with Cement Screens, Locking Screws, Double Cap

<li>#171-24: Dual Nitrogen Manifold, 1350 and 750 PSI Optional</li> <li>#143-07:  
Regulator Repair Kit</li> <li>#170-37: Nitrogen Cylinder</li> <li>#171-03-SP: Spare  
Parts Kit</li> </ul> <h2>Part Number</h2> <ul> <li>#171-03: 115 Volt</li>  
<li>#171-04: 230 Volt</li> </ul>