

# Filter Press, HTHP, 175 mL, 4 Unit, Basic

**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 170-00-4  
**Availability:** Call for availability

## Description

The unitized HTHP Filter Press is designed for testing drilling fluids and cement under elevated temperatures and pressures. This simulates various down-hole conditions and provides a reliable method for determining the effectiveness of the material being tested. All filter press units are complete and ready for use after the assembly has been connected to a source (bottle) of compressed nitrogen.

### Features

- Four standard 175 ml filter press mounted in a convenient installation for regular laboratory or drilling rig usage
- Includes a dual nitrogen manifold for supplying up to 1250 PSI pressure to the cell and up to 750 PSI to the back pressure assemblies
- All four (4) units are supplied nitrogen at the same pressures
- Both the high pressure to the cell and the back pressure can be controlled ON/OFF individually by valves mounted at the front of the work table base
- High performance hoses, connections and valves
- Dual manifold back connection assembly has a standard ¼" pipe thread (NPT) with a ¼" tubing fitting
- Easily configured for other filter devices and pressurization

### Specifications

- Maximum Temperature: 400°F (204.4°C)
- Maximum Cell Pressure: 1250 PSI (8618 kPa)
- Maximum Back Pressure: 750 PSI (5171 kPa)
- Test Cell Capacity: 175 mL
- Dual Manifold Assembly: ¼" pipe thread (NPT)
- Size: 39.25" × 25.75" × 37.5" (100 × 65 × 95 cm)
- Weight: 175 lb. (79.5 kg)
- Power Requirement: 115 Volt/230 Volt

### Components

- #153-14: Graduated Cylinder
- #154-10: Thermometer with Metal Dial, 5" Stem, Dual Scale: 50° - 500°F / 0° - 250°C
- #170-05: Thermostat
- #170-06-1: Back Pressure Receiver
- #170-12-2: Test Cell for Filter Paper, Single Cap
- #170-19: Filter Paper, 2.5" (6.35 cm) Diameter, Box of 100
- #170-20: Manifold Block
- #170-35: Adjustable Wrench
- #171-25-1: Relief Valve, 750 PSI
- #171-25-2: Relief Valve, 1350 PSI
- #171-38: Gauge for Back Pressure, 1000 PSI
- #171-42: Gauge for Nitrogen Supply, 3000 PSI
- #171-40: Gauge for Top Pressure, 1500 PSI

### Optional

- #143-00-1: Diaphragm for Regulator
- #143-07: Regulator Repair Kit
- #170-00-4-SP: Spare Parts Kit
- #170-37: Nitrogen Cylinder
- #170-40: Cell Carrying Tool
- #170-91: HTHP Pressure Relief Tool
- #171-190-028: Cell Stand
- #171-24: Dual Nitrogen Manifold

<h2>Part Numbers</h2> <ul> <li>#170-00-4: 115 Volt</li> <li>#170-00-4-230: 230  
Volt</li> </ul>