

Filter Press, HTHP, 175 mL, Single Capped Cell for Filter Paper, CO₂ Pressure



Brand: OFI Testing Equipment, Inc.
Product Code: 170-00
Availability: 4

Description

The High Temperature High Pressure (HTHP or HPHT) Filter Press is designed to evaluate the filtration characteristics of drilling fluids, cement slurries, fracturing fluids, and completion fluids under elevated temperatures and pressures.

Features

- Field portable
- A controlled pressure source (CO₂)
- Primary pressure CO₂ manifold
- A high-pressure test cell
- A temperature controlled heating jacket for heating the test cell
- Back pressure receiver with CO₂ assembly
- Safety retainer pins
- Safety valves protect against over pressurization
- Improved CO₂ puncturing mechanism
- Easily configured for other filter devices and pressurization

Specifications

- Maximum Temperature: 350°F (176.7°C)
- Maximum Pressure (Cell): 2,000 psi (10,343 kPa)
- Maximum Pressure (Receiver): 750 psi (5.1 MPa)

- Pressure Source: CO₂ Bulbs
- Test Cell Capacity: 175 mL
- Receiver Volume: 15 mL
- Heater: 400 Watt
- Size: 7.5" × 11" × 23.5" (19.1 × 27.9 × 59.7 cm)
- Weight: 27 lb (12.3 kg)
- Shipping Size: 20" × 13" × 13" (51 × 33 × 33 cm)
- Shipping Weight: 33 lb (15 kg)
- Power Requirement: 115 / 230 VAC, 50/60 Hz

Components

- #153-14: Graduated Cylinder, 50 mL × 1 mL, Glass
- #154-10: Thermometer with Metal Dial, 5" Stem, Dual Scale: 50° - 500°F / 0° - 250°C
- #170-00-1: Heating Jacket, 115 Volt
- #170-01-1: Heating Jacket, 230 Volt
- #170-04: CO₂ Pressurization Unit
- #170-06: Back Pressure Receiver, 15 mL
- #170-12-2: Test Cell for Filter Paper, 175 mL, Locking Screws, Single Cap
- #170-19: Filter Paper, 2.5", Box of 100
- #170-35: Adjustable Wrench, 6"

Optional

- #143-05: CO₂ Bulbs, Box of 10, UN2037
- #143-07: Regulator Repair Kit
- #170-00-SP: Spare Parts Kit
- #170-03: Carrying Case, Stainless Steel
- #170-91 [HTHP Pressure Relief Tool](#): The HTHP Pressure Relief Tool provides a safe way to release the pressure in a clogged cell. It screws onto the cell cap using the existing valve stem port. Then, using a T-handle, the operator can drive a pin into the cell to puncture through any obstruction. The pressure will then vent safely through the vent pipe, away from people and equipment.
- #170-92 [Safety Clamp for HTHP Fluid Loss Cells](#): The OFITE Test Cell Safety Clamp is designed to hold an HTHP test cell securely in place and prevent an uncontrolled pressure release. The two plates clamp the cell in place while the locking screws are removed. Pressure can then be released gradually and safely.
- 170-33 HTHP Cell Cap Puller
- 170-40 Test Cell Removal and Carrying Tool

Part Numbers

- #170-00: 115 Volt
- #170-01: 230 Volt