

# Permeability Plugging Tester, 6000 PSI, With LCM Receiver



**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 171-193-6K  
**Availability:** Call for availability

## Description

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 N<sub>2</sub> or CO<sub>2</sub> pressure assemblies.

## Features

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

## Specifications

- Maximum Temperature: 500°F (260°C)
- Maximum Pressure (cell): 6,000 PSI (34.5 MPa)
- Volume: 500 mL

## Components

- #153-14: Graduated Cylinder, 50 mL × 1 mL, Glass
- #154-20 :Thermometer with Metal Dial, 8" Stem, Dual Scale: 50° – 500°F / 0° – 250°C
- #165-44-2: Anti Seize Compound, Silver, 7g Pouch
- #170-04: CO<sub>2</sub> Pressure Unit
- #170-13-3: O-ring for Cell, Viton 75D
- #170-17: O-ring for Valve Stem, Viton 75 D
- #170-53: Ceramic Filter Disk, 15 D, 50 μm
- #171-00: Heating Jacket (115 Volt)
- #171-01: Heating Jacket (230 Volt)
- #171-10-1: Back Pressure Receiver
- #171-190-057: O-ring for Valve Stem, Viton 90D, Green
- #171-190-060: O-ring for Cell, Viton 90D, Green
- #171-190-061: O-ring for Piston, Viton 90D, Green
- #171-193-6K-S: Test Cell
- #171-193-101: LCM Receiver
- #171-193-103: Pump Assembly
- #171-23-1: Safety Pin with Lanyard
- #171-90-15: 6" Crescent Adjustable Wrench
- #171-99: O-ring for Piston, Viton 70D

## Optional

- #143-05: CO<sub>2</sub> Bulbs, Box of 10, UN2037
- #171-190-028: Cell Stand

## Part Numbers

- #171-193-6K: 115 Volt

- #171-193-6K-1: 230 Volt