Permeability Plugging Tester, 5000 PSI



Brand: OFI Testing Equipment, Inc.
Product Code: 171-193
Availability: Call for availability
Call for Price: 832-320-7300

Description

OFITE has designed a new cell with safety in mind. This modular design is much safer and more convenient. The two-piece cap is threaded, and cannot be opened while the cell is pressurized. And interchangeable caps make it easy to reconfigure the cell for testing with different filter media (filter paper, ceramic disks, or cement screens) with a single cell body. All cells are provided with pressure certification, unique serialization, and material certification which provides true traceability.

Features

- **Safety**: Cell cap cannot be removed if pressure is trapped inside the cell
- **Versatility**: Interchangeable cell caps enable testing with filter paper, ceramic disks, and cement screens with the same cell body. Compatible with all existing heating jackets.
- **Pressure**: Ability to add a piston allows for testing above 3,000 PSI

Specifications

- Maximum Temperature: 500°F (260°C)
- Maximum Pressure (cell): 5,000 PSI (34.5 MPa)
- Volume: 500 mL
- Cell Caps:
    - Inlet: 60 Mesh Screen
    - Outlet: 60 Mesh Screen (for filter paper)

    - Outlet: Scribed (for ceramic disks)

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
- #170-04: CO2 Pressuring Assembly
- #170-13-3: O-ring for Test Cell, Viton® 75D (For Tests up to 400°F)
- #170-17: O-ring for Valve Stem, Viton® 75D (For Tests up to 400°F)
- #170-19: Filter Paper, 2.5" (6.35 cm) Diameter, Box of 100
- #170-53: Ceramic Filter Disk, 50 Micron
- #171-00: Heating Jacket, 800 Watt, 115 Volt
- #171-01: Heating Jacket, 800 Watt, 230 Volt
- #171-10: Back Pressure Receiver, 100 mL
- #171-23-1: Safety Pin with Lanyard
- #171-25-3: Relief Valve, 5500 PSI
- #171-27: Hose, 5000#, 3/16" × 6'
- #171-84-02: Reducing Bushing, 3/8" MNPT × 1/8" FNPT
- #171-90-02: Quick Connect Coupler, Female
- #171-90-04: Cross, 1/4" NPT
- #171-90-07: Hex Nipple, 1/4" NPT
- #171-90-10: Valve Stem for Back Pressure Receiver
- #171-90-11: Elbow for Back Pressure Receiver
- #171-90-12: Elbow for Hydraulic Pressure Assembly
- #171-90-13: Adapter, 1/4" Flare × 1/4" MNPT
- #171-90-14: Hose Barb
- #171-90-15: Crescent Wrench, Adjustable, 6"
- #171-96: Handpump
- #171-96-1: Hydraulic Oil, 32 Oz
- #171-98: Ball Valve for Hydraulic Pressure Assembly
- #171-99: O-ring for Piston, Viton® 75D, Qty: 8
- #171-190-057: O-ring for Valve Stem, Viton® 90D (For Tests above to 400°F)
- #171-190-060: O-ring for Test Cell, Viton® 90D (For Tests above to 400°F)
- #171-190-061: O-ring for Piston, Viton® 90D (For Tests above to 400°F)
- #171-190-062: Gauge, 2.5" Face, 1/4" Bottom Connection, 6000 PSI
- #171-193-S: Test Cell with Threaded Caps and Floating Piston

Optional

- #143-05: CO_2 Bulbs, Box of 10, UN2037
- #171-190-028: Cell Stand
- #171-193-SP: Spare Parts Kit
- #171-10: Back Pressure Receiver, 100 mL (For Conventional Filtration)

Part Numbers

- #171-193: 115 Volt
- #171-193-1: 230 Volt