

Aging Cell, High Temperature, 600°



Brand: OFI Testing Equipment, Inc.

Product Code: 175-80

Availability: 1

Lead Time: 60

Description

The High Temperature Aging Cell* (#175-80) is a pressure vessel that enables samples to be subjected to temperatures higher than the boiling point of water (up to 600°F / 315.6°C) and still be maintained in a liquid state. The cells may be used for static temperature exposure or in a dynamic mode in a roller oven (sold separately).

Features

- Metal-to-metal seal eliminates the needs for internal gaskets
- Larger volume, 1000 mL
- Accepts standard valve stems
- Does not require use of o-rings, eliminating o-ring failure
- Recommended for use with the OFITE High Temperature Roller Oven (#176-00-C)

Specifications

- Maximum Temperature: 600°F (316°C)
- Maximum Pressure: 2,000 PSI (13.8 MPa)
- Material: 316 Stainless Steel (other alloys available)
- Capacity: 1,000 mL
- Size: 14.5" Tall × 4" Diameter (37 × 10 cm)
- Weight: 18.4 lb (8.3 kg)

Components

- #170-17: O-ring for Valve Stem, Viton®
- #175-16: Valve Stem
- #175-46: O-ring for Outside of Cell, Teflon®, Qty: 2
- #175-80-010: Cell Body, 1 Liter
- #175-80-002: Outer Cap
- #175-80-003: Thrust Ring
- #175-80-004: Tension Post
- #175-80-005: Tension Ring
- #175-80-006: Seal Ring
- #175-80-007: Thrust Washer
- #175-80-008: Set Screw
- #175-15: Allen Wrench

Optional

- #175-46: O-ring for Outside of Cell, Teflon® (up to 450°F)
- #175-47: O-ring for Outside of Cell, Viton® (Up to 400°F)
- #175-54: O-ring for Outside of Cell, Buna-N (Below 200°F)
- #175-80-015: Torque Wrench for Set Screw
- #175-80-016: Socket, Hex Bit

Part Number

- #175-80

[U.S. Patent No. 9,784,667](#)