

# Roller Oven, Portable, 3 Roller



**Brand:** OFI Testing Equipment, Inc.

**Product Code:** 174-00

**Availability:** Call for availability

## Description

The Portable Roller Oven (U.S. Patent No. 4,677,843) is an effective aid in determining the effects of temperature on drilling fluid as it circulates through the well bore. Aging the drilling fluid in pressurized containers effectively demonstrates the thermal effects on viscosity and how various additives behave at elevated temperatures. Aging is done under conditions that vary from static to dynamic and from ambient to highly elevated temperatures.

## Features

- Portable Roller Oven has 3 rollers
- Holds (2) 260 mL cells or (2) 500 mL cells
- Specifically designed for the field
- Variable-speed controlled
- Enclosure is constructed of stainless steel for longer life
- Stainless steel rollers promote a cleaner environment inside the oven
- Glass-impregnated Teflon® bearings extend the life of the rollers and allow for longer maintenance free service
- Digital temperature controller that can be read directly from outside the oven
- Temperature is controlled by an electronic solid state thermostat and operates between 100°F and 450°F (38° - 232.2°C)

## Specifications

- 150 Watt Heater
  - Temperature Range: 100 - 450°F (38 - 232°C)
  - Digital Temperature Controller
  - Motor Speed: 25 RPM
  - Capacity:  
- 260 mL Aging Cells: 2 (Sold Separately)  
- 500 mL Aging Cells: 2 (Sold Separately)
  - Crated Size: 25" × 22" × 11" (63.5 × 30.5 × 27.9 cm)
  - Crated Weight: 53 lb. (24.1 kg)
  - Power Requirements: 115 Volt/230 Volt
- ## Components
- #152-37: Power Cable (115 Volt)
  - #152-38: Power Cable (230 Volt)
  - #165-14-8: Type J Thermocouple
  - #170-05: Thermostat
  - #172-02-2: Chain, 12.5", Qty: 2
  - #172-02-3: Chain, 18.5", Qty: 1
  - #172-03: Sprocket, Qty: 2
  - #172-04: Connecting Link for Chain, Qty: 2
  - #172-05: Fuse, 2 Amp (230

Volt)

- #172-07: Fuse, 5 Amp (115 Volt)
- #172-08: Bearing, Qty: 6
- #172-14: On/Off Toggle Switch
- #172-20: Heater, 150 Watt
- #172-24: Solid State Relay
- #174-03: Electronic Controller
- #174-13: Motor
- #174-14: Motor Controller

## Optional

- 175-25: Aging Cell, Stainless Steel Grade 303, 260 mL, Pressurized
- 175-30: Aging Cell, Stainless Steel Grade 303, 500 mL, Pressurized
- 175-50: Aging Cell, Stainless Steel Grade 316, 500 mL, Pressurized
- 175-40: Corrosion Test Cell, Stainless Steel Grade 303, 500 mL
- 170-40: Test Cell Removal and Carrying Tool

## Part Numbers

- #174-00: 115 Volt
- #174-00-1: 230 Volt