

# 5 Roller Oven



**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 173-00-C  
**Availability:** Call for availability

## Description

The 5-Roller Oven is an effective aid in determining the effects of temperature on drilling fluid as it circulates through the well bore. The roller oven is designed to provide heating and rolling functionality simultaneously or independently. This oven can hold twelve 260-mL Aging Cells or eight 500-mL Aging Cells.

[Patent Number 4,677,843](#)

## Features

- 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® roller 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 500°F (38°C - 260°C)
- Circulating fan greatly improves air circulation within the oven and provides more stable, consistent, and reliable heating

## Specifications

- Temperature Range: 100° - 500°F (38° - 260°C)

- Digital Temperature Controller
- Motor Speed: 25 RPM
- Programmable Timer
- Heater: 2 x 500 Watts
- Material:
  - Cabinet: 303 Stainless Steel
  - Rollers: 304 Stainless Steel
- Capacity (Aging Cells sold separately):
  - 260 mL Aging Cells: 12
  - 500 mL Aging Cells: 8
  - 1000 mL Aging Cells: 4
- Power Requirements:
  - 115 Volt/230 Volt
- Dimensions
  - Size: 33.75" x 26.25" x 26" (86 x 67 x 66 cm)
  - Weight: 172 lb (78 kg)
  - Crated Size: 38" x 33" x 34" (97 x 84 x 86 cm)
  - Crated Weight: 290 lb (131.5 kg)

## Components

- #130-74: Transformer (230 Volt)
- #165-14-8: Type J Thermocouple
- #165-14-10: Fuse for Circulating Fan, 1 Amp
- #170-05: Thermostat
- #172-01: Fuse for Temperature Controller, 1/2 Amp
- #172-02-2: Chain, 12.5", Qty: 3
- #172-02-4: Chain, 40.5", Qty: 1
- #172-03: Sprocket, 1/2" Bore, Qty: 9
- #172-04: Connecting Link for Chain, Qty: 4
- #172-05: Fuse for Motor, 2 Amp (230 Volt)
- #172-07: Fuse for Motor, 5 Amp (115 Volt)
- #172-08: Bearing for Roller Shaft, Qty: 10
- #172-09: Fuse for Heater, 10 Amp
- #172-11-1: Temperature Controller
- #172-14: On/Off Toggle Switch
- #172-15-1: Programmable Timer
- #172-23: Heater, 500 Watt, Qty: 2
- #172-24: Solid State Relay, 240V-25A
- #172-25: Fan Motor
- #174-07-1: Fan Blade, 5"

- #174-13: Motor
- #174-14: Motor Controller

## **Ovens with Redundant Heat Control**

- #165-14-8: Type J Thermocouple
- #172-24: Solid State Relay, 240V - 25A
- #174-03: Electronic 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
- 175-47: O-ring for Outside of Aging Cell, Viton
- 170-40: Test Cell Removal and Carrying Tool

## **Part Numbers**

- #173-00-C: 115 Volt
- #173-00-1-C: 230 Volt
- #173-00-RC: With Redundant Heat Control, 115 Volt
- #173-00-1-RC: With Redundant Heat Control, 230 Volt