Roller Oven, High Temperature 600°F



Brand: OFI Testing Equipment, Inc.
Product Code: 176-00-C
Availability: 1
Call for Price: 832-320-7300

Description
The High Temperature Roller Oven 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 Aging Cells demonstrates the thermal effects on viscosity and shows how various additives behave at elevated temperatures over time. Aging is done under conditions that vary from static to dynamic and from ambient temperatures up to 600°F (315.6°C).

Features

- Able to reach higher temperatures than conventional ovens Variable-speed controlled
- Enclosure is constructed of stainless steel for longer life
- Stainless steel rollers promote a cleaner environment inside the oven
- Sealed back so bearings and chains are not exposed to lab personnel
- Glass-impregnated Teflon® bearings extend the life of the rollers and allow for longer maintenance free service
- A digital temperature controller maintains a constant temperature throughout the aging process
- A programmable 7-day timer enables unattended operation by automatically starting and stopping the heaters
- The circulating fan ensures more stable, consistent, and reliable heating

Specifications

- Rollers: 5
- Temperature Range: 100 - 600°F (38 - 315.6°C)
- Digital Temperature ControllerMotor Speed: 25 RPM
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- Programmable Timer
- Heaters: 2 x 750 Watts
- Material:
    - Cabinet: 300 Series Stainless Steel
    - Rollers: 304 Stainless Steel
- Capacity:
    - 260 mL Aging Cell: 12 (Sold Separately)
    - 500 mL Aging Cell: 8 (Sold Separately)
    - 1,000 mL Aging Cell: 4 (Sold Separately)
- Crated Size: 40" × 32" × 36" (102 × 81 × 91 cm)
- Crated Weight: 320 lb (145.2 kg)
- Power Requirements: 230 VAC, 50/60 Hz, 18 Amps

Components

- #120-50-005: Cooling Fan
- #120-76-002: Fuse for Heater, 15 Amp, 1" × 1 1/4"
- #130-78-002: Cover for Cooling Fan with Filter
- #165-14-8: Type J Thermocouple
- #165-14-10: Fuse for Fan, 1 Amp
- #172-01: Fuse for Instruments, 1/2 Amp
- #172-02-1: Chain
- #172-03-2: Sprocket, Qty: 9
- #172-04-1: Connecting Link for Chain, Qty: 4
- #172-05: Fuse for Motor, 2 Amp
- #172-08-1: Bearing for Rollers, Carbon, Qty: 10
- #172-11-1: Temperature Controller
- #172-14: On/Off Toggle Switch
- #172-15-1: Programmable Timer
- #172-24: Solid State Relay, 240V-25A
- #172-23-1: Heater, 750 Watt
- #172-25-1: Motor for Fan
- #174-13: Motor
- #174-14: Motor Controller
- #176-00-002: Safety 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
- 175-80: Aging Cell, Stainless Steel Grade 316, 1000 mL, Pressurized
- 175-40: Corrosion Test Cell, Stainless Steel Grade 303, 500 mL
- 175-47: O-ring for Outside of Aging Cell, Viton
- 170-04: CO_2 Pressuring Assembly
- 170-40: Test Cell Removal and Carrying Tool

Part Number

- #176-00-C