



DRILLING FLUIDS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

As an independent manufacturer and supplier, OFITE has one priority, our customers.



High Temperature Roller Oven

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 controller
- 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



Technical Specifications and Requirements

- #176-00-C - High-Temperature Roller Oven With Circulating Fan

Specifications

- Rollers: 5
- Temperature Range: 100 - 600°F (38 - 315.6°C)
- Digital Temperature Controller
- Motor Speed: 25 RPM
- Programmable Timer
- Heaters: 2 × 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)
- Size: 26" × 27.5" × 36" (66 × 70 × 91 cm)
- Weight: 133 lb (293 kg)
- Crated Size: 33.75" × 26.25" × 26" (86 × 67 × 66 cm)
- Crated Weight: 172 lb (78 kg)
- Power Requirements: 230 VAC, 50/60 Hz, 18 Amps

Optional Items

- #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



#170-04 CO₂ Pressuring Assembly



#170-40 Cell Carrying Tool