



Taha Kimia Tajhiz Co.



Roller Oven Datasheet

**Drilling Fluids Testing/ Aging(Roller
Ovens)Equipment**



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.

Roller Oven

The 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. The Roller Oven is designed to provide heating and rolling functionality simultaneously or independently. It is available with either 4 or 5 rollers and includes a circulation fan for uniform heating.



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 450°F (38 - 232.2°C)
- Circulating fan greatly improves air circulation within the oven and provides more stable, consistent, and reliable heating





Technical Specifications and Requirements

- #172-00-C 4 Rollers, 115 Volt
- #172-00-1-C 4 Rollers, 230 Volt
- #172-00-RC 4 Rollers with Redundant Heat Control, 115 Volt
- #172-00-1-RC 4 Rollers with Redundant Heat Control, 230 Volt
- #173-00-C 5 Rollers, 115 Volt
- #173-00-1-C 5 Rollers, 230 Volt
- #173-00-RC 5 Rollers with Redundant Heat Control, 115 Volt
- #173-00-1-RC 5 Rollers with Redundant Heat Control, 230 Volt

Specifications

- Temperature Range: 100 - 450°F (38 - 232.2°C)
- Digital Temperature Controller
- Motor Speed: 25 RPM
- Programmable Timer
- Heater: 2 × 350 Watts
- Material:
 - Cabinet: 303 Stainless Steel
 - Rollers: 304 Stainless Steel
- Capacity (Aging Cells Sold Separately)
 - 4 Roller Oven
 - 260 mL Aging Cells: 6
 - 500 mL Aging Cells: 3
 - 1000 mL Aging Cells: 3
 - 5 Roller Oven
 - 260 mL Aging Cells: 12
 - 500 mL Aging Cells: 8
 - 1000 mL Aging Cells: 4
- Power Requirements: 115 Volt/230 Volt
- Dimensions
 - 4 Roller Oven
 - Size: 26.75" × 22" × 26" (70 × 56 × 66 cm)
 - Weight: 141 lb (64 kg)
 - Crated Size: 35" × 29" × 36" (89 × 74 × 91 cm)
 - Crated Weight: 239 lb (108.4 kg) 1 lb (64 kg)
 - 5 Roller Oven
 - Size: 33.75" × 26.25" × 26" (86 × 67 × 66 cm)
 - Weight: 172 lb (78 kg)
 - Crated Size: 38" × 33" × 34" (97 × 84 × 86 cm)
 - Crated Weight: 290 lb (131.5 kg)

Optional

- #175-25 Aging Cell, 260 mL, 303 Stainless Steel
- #175-30 Aging Cell, 500 mL, 303 Stainless Steel
- #175-50 Aging Cell, 500 mL, 316 Stainless Steel
- #175-40 Corrosion Test Cell, 500 mL, 303 Stainless Steel
- #175-47 O-ring for Outside of Aging Cell, Viton
- #170-04 CO₂ Pressuring Assembly
- #170-40 Cell Carrying Tool