Automated Curing Chamber

Brand: OFI Testing Equipment, Inc.
Product Code: 120-20-A
Availability: Call for availability
Call for Price: 832-320-7300

Description
The Automated Curing Chamber is used to prepare well cement specimens for compressive strength tests. It is necessary to determine the amount of time required for a cement to develop compressive strength so that drilling/ production operations can be resumed as quickly as possible. The goal is to design a slurry that can quickly develop compressive strength so that the “waiting on cement” time may be minimized. The Automated Curing Chamber provides a means of curing cement specimens under typical down-hole temperatures and pressures.

Features

- Creates 2" cement cubes according to API guidelines
- Touch-screen display controls temperature and pressure
- Custom test profiles can include multiple temperature and pressure ramps
- Cooling system quickly cools the test cell automatically
- Dual compression mold meets ASTM standard C-1O9
- Optional Expansion Module uses a linear transducer inside the wall of the cell to measure expansion or shrinkage

Specifications

- Maximum operating temperature: 600°F (315.6°C)
- Maximum operating pressure: 5000 psi (34.5 MPa)

- Single Deep Accommodates 8 Cubes
- Double Deep Accomodates 16 Cubes

Requirements

- Air supply: 100 - 120 psi (689 - 827 kPa)
- Cooling water: 40 psi (276 kPa)
- Electrical power supply: 230 Volt, 50/60 Hz, 30 Amp
- Dimensions: 26" × 34" × 76" (66 × 86 × 193 cm)
- Weight: Approximately 750 lb (340 kg)

Part Number

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- 120-25-A - Double Deep (16 cubes)