

# Automated Curing Chamber



**Brand:** OFI Testing Equipment, Inc.

**Product Code:** 120-20-A

**Availability:** Call for availability

## 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-109
- Optional Expansion Module uses a linear transducer inside the wall of the cell to measure expansion or shrinkage

## Specifications

- Maximum operating temperature: 400°F (204°C)
- Maximum operating pressure: 5000 psi (34.5 MPa)
- Accommodates 8 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**

- 120-20-A