

Curing Chamber



Brand:
Product Code: 120-20
Availability:

Description

The Model 200 HTHP Curing Chamber is utilized 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 HTHP Curing Chambers provide a means of curing cement specimens under typical down-hole temperatures and pressures.

Features

- Unit may be utilized to test well cements in accordance to API Specification 10
- Electronic timer measures elapsed time and may be programmed to terminate test
For safety, a pressure relief valve, as well as a safety head with rupture disk are provided
- Test cell accommodates 8-16 specimens
- Digital programmable temperature controller
- Digitally displays temperatures
- Coolant system quickly cools the test cell
- Dual compression molds meet ASTM standard C109

Specifications

- Maximum operating temperature: 600°F (316°C)
- Maximum operating pressure: 5000 PSI (35.1 MPa) at 600 °F (316°C)

- #120-20: test cell accommodates 8 cubes
- #120-25: test cell accommodates 16 cubes
- #120-30: test cell accommodates 16 cubes

- #120-20:
Weight: 499 lb. (226 kg)
Size: 33" × 30" × 60" (83 × 76 × 152 cm)
- #120-25:
Weight: 499 lb. (226 kg)
Size: 33" × 30" × 60" (83 × 76 × 152 cm)
- #120-30:
Weight: 1100 lb. (226 kg)
Size: 33" × 46" × 60" (83 × 116 × 152 cm)

Requirements

- Air supply of 100 PSI
- Cooling water at 40 PSI
- 230 Volt, 50/60 Hz, electrical power supply
- 120-20 and 120-25: 40 amp rating
- 120-30: 80 amp rating

Part Numbers

- #120-20: Single Cell, Single Deep
- #120-25: Single Cell, Double Deep
- #120-30: Dual Cell, Single Deep