



CEMENT TESTING 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 cement product line includes innovative designs such as the Static Gel Strength Measurement Device (SGSM), which showcases our ability to develop new technology to meet customer and industry demands. We also offer Ultrasonic Cement Analyzers (UCA), Constant Speed Blenders, Automated HTHP Consistometers, and all other instruments required to evaluate cement properties according to API Specification 10.

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

HTHP Curing Chamber

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 Include:

- 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 C-109





Technical Specifications and Requirements

- #120-20: HTHP Curing Chamber, Single Cell, Single Deep, 5000 PSI, 600°F
- #120-25: HTHP Curing Chamber, Single Cell, Double Deep, 5000 PSI, 600°F
- #120-30: HTHP Curing Chamber, Dual Cell, Single Deep, 5000 PSI, 600°F

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