

Affordable, dependable cement curing apparatus

The Grace Instrument Curing Chamber is specifically designed to cure standard two-inch cement cube samples for compressive strength testing in accordance with API and ISO standards for oilfield cements. The user is able to specify conditions of temperature and pressure in order to simulate a wide variety of downhole conditions during the curing process.

Test sequences can be created to monitor sample behavior under changing environmental conditions as well.

A slurry mold design that saves time... and resources

The slurry mold has been designed to allow smooth insertion of the thermocouple. This enables the operator to start tests faster.

The curing chamber system design further ensures operator safety by optimizing tube routing and protecting components from high temperatures. The panel button and handle configuration has been designed so that instrument operations are both easy and safe.

All models (except the M7450) have a crane system that helps lift the cell cap and the mold assembly.



Pictured: M7450. The M7451/7454/7455 all have a crane system.

Operational Features

- Hardware specifications conform to API and ISO standards
- Test sequences can be created or edited by users to test under a wide variety of simulated downhole conditions
- Slurry mold design allows quick thermocouple insertion and withdrawal
- Control panel and handles are optimized for easy and safe operation

General Specifications

Maximum Temperature: 700°F (371°C)
 Operating Humidity: 0-95% non-condensing
 Compressed Air: 50-145 PSI maximum
 Voltage: 240VAC
 Utilities: cooling water 20-80 PSI
 Complies with: API Spec. 10A & ISO 10426-1

Specifications by Model

Model #	# of Cubes	Pressure Range	Dimensions
M7450	8	3600 PSI	46"x30"x28"
M7451	16	3600 PSI	65"x33"x31"
M7454	8	5000 PSI	65"x33"x31"
M7455	16	5000 PSI	65"x33"x31"