Grace INSTRUMENT
SCIENTIFIC INNOVATIONS • INDUSTRIAL SOLUTIONS

M7460

HPHT Curing Chamber

10770 Moss Ridge Rd., Bldg. B • Houston, Texas USA 77043 • Phone: 713-783-1560 • Fax: 713-974-7144

The Grace Instrument M7460 HPHT Cement Curing Chamber cures standard two-inch cement cube samples for compressive strength testing in accordance with API and ISO standards for oilfield cements. The user can specify temperature and pressure to simulate a wide variety of downhole conditions during the curing process.

Unlike our other curing chambers, the M7460 uses oil instead of water to pressure samples, and the M7460 has automatic temperature and pressure control.

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

The curing chamber system design optimizes operator safety by emphasizing pressure relief and protection from high temperatures, and the panel button and handle configuration has been designed to maximize both safety and ease of use.

The slurry mold has been designed to be lightweight. This allows the operator to complete test steps faster and with less cleanup, optimizing the Setup-Test-Clean cycle and maximizing efficiency.

Specifications

Maximum temperature:	700°F (371°C)
Maximum pressure:	25,000 PSI
Number of cubes:	6 two-inch cubes
Operating humidity:	0-95% non-condensing
Compressed oil:	50-145 PSI maximum
Utilities:	cooling water 20-80 PSI
Voltage:	240VAC
Complies with:	API Spec. 10A & ISO 10426-1

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
- Control panel and handles are optimized for easy and safe operation