



# HUMBOLDT

## Concrete Curing Boxes



H-2968

H-2967

**NOTE**

Not available in 220V 50/60Hz.

### Concrete Curing Box, Deluxe

ASTM C192, C511, C31; AASHTO M201, T126, T23

Deluxe curing box provides heating and cooling while still being lightweight, and portable—175 lbs. (79.4 kg). Plastic construction is rugged, durable and rustproof. Up to 22 standard 6" x 12" (152 x 305mm) test specimens can be stored at 72 ±2°F (22.2 ±1.1°C) over an ambient range of -10 to 100°F (-23 to 37.8°C). Sturdy, 14-gauge steel bottom rack provides optimum water circulation for even curing. Bottom valve for fast drainage. Lockable lid resists tampering. Requires minimum 15 amp circuit. Deluxe model includes recirculating water temperature control unit with temperature set buttons, indicating lights and digital readout for water temperature.

### Concrete Curing Box, Heating Only

ASTM C192, C511, C31; AASHTO M201, T126, T23

Curing box for concrete cylinders is lightweight, and portable—115 lbs. (52.2 kg). Plastic construction is rugged, durable and rustproof. Up to 22 standard 6" x 12" (152 x 305mm) test specimens can be stored at 72 ±2°F (22.2 ±1.1°C) over an ambient range of -10 to 100°F (-23 to 37.8°C). Sturdy, 14-gauge steel bottom rack provides optimum water circulation for even curing. Bottom valve for fast drainage. Lockable lid resists tampering. Requires minimum 15 amp circuit. Heating-only model, though cooling can be achieved by cool water recirculation, if available. Includes adjustable heating control and dial thermometer.

Specifications:	H-2968	H-2967
Weight	175 lbs.	115 lbs.
Voltage/Current	110/220V 50/60Hz - 15.0 amps	
Capacity for 6"X12" Test Cylinders (without stacking)	22	22
Capacity for 4"X8" Test Cylinders (without stacking)	46	46
Outside Dimensions (Height, Width, Length)	23" X 25" X 79"	23" X 22" X 68"
Inside Dimensions (Height, Width, Length)	18" X 17" X 56"	18" X 17" X 56"
Heats and Cools	✓	Heats Only

# Concrete Curing Boxes

## Features:

- **Easily Transportable, Lightweight**  
Incredibly Durable and Rustproof Cooler made of Low-Density Polyethylene
- **Uses Water to Heat/Cool Cylinders**  
Minimal Temperature Loss When Lid is Opened
- **Sturdy, 14 Gauge Stainless Steel Bottom Rack**  
Provides Optimum Water Circulation for Even Curing
- **Lockable Lid with Solid Full-Length Hinge**  
For Tamper-Resistant Testing
- **Sturdily Mounted Heating/Cooling Unit**  
Compact; Maintenance Free
- **Preset Temperature Control**  
Thermostat Controlled for Trouble-Free Curing
- **Water Circulation Pump**  
Helps eliminate uneven temperature distribution (H-2968 only)
- **Bottom Valve**  
For Fast Draining
- **Standard 110V AC Plug**
- **320 Qt. Cooler**  
Holds 22 Standard 6" x 12" Test Cylinders
- **Complies with INITIAL and FINAL Cure Requirements**
- **Retains Moisture During Initial Cure**
- **Thermostatic Expansion Valve and Dryer**  
for increased efficiency (H-2968 only)

Comparison	H-2968	H-2967
Light Weight Construction	✓	✓
Uses Water to Retain Temperature	✓	✓
Water Circulation Pump, standard	✓	-
Stainless Steel Bottom Rack	✓	✓
Lockable Lid	✓	✓
Standard 110V Power Supply	✓	✓
Bottom Drain	✓	✓
Complies with Initial Curing Requirements	✓	✓
Complies with Final Curing Requirements	✓	✓
Proven Long Term In-Field Service Life	✓	✓
Heats and Cools	✓	Heats Only

For an initial field standard curing test, store the specimens for of up to 48 hours in an environment that maintains a temperature of 60-80°F. Following the initial field standard curing, the specimens are transported to a lab and stored in water storage tanks or moist rooms at 73.5 +/- 3.5°F.

There may be up to a 20% reduction in the 28-day compressive strength, if initial field standard curing doesn't follow ASTM C31/C31M.

During initial standard curing in the field, if subjected to High/Low temperature and moisture loss, a reduction in the 28-day strength may occur, even if standard curing in a lab is provided thereafter.

Listed below are the effects on compressive strength after initial 24 hour curing when under High/Low temperature conditions.

- 100% relative strength. Outdoor exposure in curing box with thermostatic control in water.
- 88% relative strength. Outdoor exposure in curing box WITHOUT water.
- 85% relative strength. Outdoor exposure to sunlight not protected.
- 83% relative strength. Outdoor exposure covered with wet burlap and plastic.



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