

Generic Specification for a Concrete Cylinder Curing Box

The Concrete Cylinder Curing Box shall have approximate interior dimensions of 55 ½" long by 19 ¾" wide by 17" deep. The box shall have a capacity of twenty two (22) 6" x 12" test cylinders. The top of the Box shall be a lid with three (3), five-inch (5) hinges at the back with three (3) securing latches capable of locking the Box on the front of the lid.

The interior and exterior surfaces of the Box shall be impact resistant and of totally rustproof construction. A moisture proof seal shall be provided between the main body of the Box and the lid. The Concrete Cylinder Curing Box when filled with water shall not leak. The Box shall be equipped with a 4000 BTU Heating & Cooling unit, rated at 120 volts, and 10 amps. The Box shall be equipped with a digital readout, Fahrenheit and Celsius adjustable thermostatic control, and shall be capable of maintaining a pre-set internal water temperature of plus or minus 2 degrees F within a range of 50 to 90 degrees F through an ambient temperature range of minus 40 degrees F to 120 degrees F.

A combination hose connection and drain shall be provided at the lower front edge of the Box so that water may be circulated or drained.

A stainless steel rack set above the bottom of the Box shall be provided to support the cylinders in the upright position. The rack shall be positioned to allow free circulation of water around the cylinders.

The Box and its components shall weigh less than 135 lbs. to insure ease of handling and have grips or handles to facilitate lifting / carrying when empty.