



# Cement **Autoclave**

**WEIBER**

Model: (Acm-32068- A)

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#### Construction

The Weiber Cement Autoclave Acm-32068-A provides an accelerated means of estimating delayed expansion of Portland cement caused by hydration of calcium oxide, Magnesium Oxide, or both in accordance with procedures described in ASTM C151. In this operation, changes in length of test bars of cement are measured after being exposed to controlled steam pressure and temperature for a prescribed period of time.

The Weiber Cement Autoclave consists of a welded steel cylinder with bolted cover mounted on a sturdy supporting frame and enclosed in a heat insulated metal housing. The unit is designed to handle pressure in the 60-350 psi (0.4 -2.4 MPa) range and consists of steam vessel, pressure regulator, pressure gauge (0-600psi), air vent valve, power switches, and a safety pop valve set at 350 psi

Additional gaskets, heating units, pressure gauges and safety pop valves are available as replacement parts. Includes thermometer,

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**Features Incorporated In Basic Unit**

Semi Automatic Pressure Control Switch- Indfoss Piezostat) - This semi-automatic device controls the pressure inside the chamber mechanically and cuts-off the current from the heating elements, when the desired/ set pressure value level is attained inside the chamber and restarts the mechanism once the pressure inside the chamber falls from the desired level.

(Digital Temperature Indicator Cum Controller) - This device indicates the temperature inside the chamber.

(Mechanical Timer With alarm System)- This is a semi-automatic device which is initiated once the pressure level inside the chamber reaches the desired value, it regulates the sterilization time of the media to be sterilized and when the desired time is passed, it activates the buzzer, which indicates that the sterilization cycle is complete and media can be extracted.

**Chamber dimensions**

6-1/8" ID x 16"

**Wattage**

1700W maximum power demand

**Standard Confirmation**

ASTM C151; AASHTO T107

**Overall dimensions:**

17"x48"x28" (431x1219 x711mm)

**Voltage:**

220-230 V, 50/60Hz

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