



### Hi-Humidity Drum Heater

LEWCO's Hi-Humidity Drum Heater is a revolutionary breakthrough in rapid heating, melting and thawing of materials in drums or totes/ IBC tanks. Utilizing water vapor as a heat transfer medium, heat-up times and melt rates are several times faster than possible in traditional convection ovens. This unique design also offers the advantages of precise product temperature control, uniform heating, and operation at relatively low cabinet temperatures. All models feature our signature all-welded steel, heavy-duty construction and simple, user-friendly controls. Each unit comes complete with a (3) year warranty and is fully assembled, wired, and tested prior to shipment.

#### Capacity

- 4 to 16 drums, or 1 to 4 totes

#### Operating Temperature

- 125°F - 200°F

#### Construction/ Features

- Welded, 1/8" steel shell exterior
- 304 stainless steel interior
- Insulation: 3" x 6# mineral wool
- Heavy duty doors with strap hinges, 3-point latch system, and high-temperature silicone rubber gaskets create a tight seal for efficient heating.
- Interior door release for safety

#### Finish

- Blue or gray alkyd enamel
- Optional: Premium finish for corrosive environments.

#### Heat Source Options

- Electric immersion heaters
- Saturated Steam
- Thermal Fluid

#### Water Level Control

- ¼" NPT float switch actuated valve.

#### Controls

- Single set-point temperature controller and redundant high-limit controller housed in a NEMA 12 enclosure with full voltage lockable disconnect switch. Controls are wired to NFPA 70 and 79 electrical standards.
- Optional:
  - Batch Timer
  - Chart Recorder
  - Data Logger
  - Door Switch
  - Ramp/ Soak Controller

#### Electrical Requirements

- Voltage: 480/3/60
- Other voltages available

#### Shipping & Installation

- Ships completely assembled. Simply connect utilities and your hot box is ready for use.

#### Additional Features

- Circulating fan with TEFC motor
- 5" exhaust vent with damper
- Custom sizes and features available. Please consult a LEWCO Applications Engineer for more information.

#### Quality Assurance

- Each unit comes complete with a (3) year warranty and is fully assembled, wired, and tested prior to shipment.

### HOW DOES IT WORK?

The Hi-Humidity Drum Heater contains a water reservoir that is heated either by electric immersion heaters, steam, or thermal fluid to provide a completely water saturated cabinet atmosphere. Condensation of the water vapor onto the cooler drums provides rapid and efficient heat transfer into the drum contents. Inherently, the saturated atmosphere virtually eliminates temperature gradients and provides a means for precise control of operating temperature.

