

*High Frequency Heating at it's Best*

# Thermex

## Industrial RF Preheaters

**Thermex** Dielectric Heating Equipment is widely acclaimed for its rugged dependability and engineering advantages. The unique characteristic of dielectric heating in achieving uniform, rapid and controlled heating throughout a given mass has nowhere been more successfully exploited than in the preheating of plastic preforms to precise, optimum molding temperature. Today's **Thermex** equipment brings a new standard of precision, economy and automation to the dielectric preheating of plastic preforms. Preform Rotators are available for rotating circular preforms on edge to insure extremely uniform preheat temperature for critical molding jobs.



**Thermex Model TP10-C**

(See table of additional Models on reverse)

Uniformity throughout the load is achieved by a careful balance of electrode spacing, electrode voltage and operating frequency. **Thermex** equipment heats small loads in cycles as short as 15 seconds to temperatures as high as 290°F. Heavy loads consisting of large preforms can be preheated in the larger **Thermex** units in cycles short enough to minimize heat losses from the surface. Operating frequency has been selected to insure maximum penetration of energy to the interior of the load and minimum crusting of the surface and corners due to excessive skin effect.

**Operation:** Preforms are placed on the sliding tray provided with the Preheater. Optional preform rotators are available to enhance heating uniformity. An adjustable timer stops the preheat cycle. The operator then pulls the tray open and removes heated preforms.

**Controls:** Indicator Lamps: Power On, Ready, RF On and Fault. Power output is controlled by adjusting the electrode spacing. **Meters:** All units include both plate and grid current meters.

**Cycle Timer:** Electronic cycle timer is provided to control the heat time. Optional heat delay timer is also available.

**10501 Bunsen Way, Suite 102  
Louisville, KY 40299  
Ph: 502-493-1299 Fax: 502-493-4013  
[Sales@thermex-thermatron.com](mailto:Sales@thermex-thermatron.com)  
[WWW.thermex-thermatron.com](http://WWW.thermex-thermatron.com)**

### Optional Equipment:

- ✓ Preform Rotators for 1 to 4 rows of preforms.
- ✓ Heat Delay Timer.
- ✓ IR temperature sensor integrated into the heat cycle.
- ✓ Remote cycle Start / Stop function.

### Specifications:

Model	TP1-C	TP5-C	TP10-C
Power output	1.0 kW	5 kW	10 kW
Input Voltage (1)	190/250 V	190/250 V	480 V
Phases	1	1	3
Input Power KVA	1.8	9	17
Electrode Size	6" X 6"	12" X 15"	15" X 15"
Maximum Height	3.75"	3.75"	4.00"
Tray Height	Table Top	40"	40"
Cabinet Height	30"	75"	75"
Cabinet Width	16"	24"	24"
Cabinet Depth	24"	42"	42"
Weight	165 lbs.	375 lbs.	700 lbs.

(1) Standard voltage is 60 cycles, 50 cycles and other voltages optional.

**10501 Bunsen Way. Suite 102**  
**Louisville, Kentucky 40299**  
**Ph: 502-493-1299 Fax: 502-493-4013**  
[Sales@thermex-thermatron.com](mailto:Sales@thermex-thermatron.com)  
[www.thermex-thermatron.com](http://www.thermex-thermatron.com)