RF PREHEATER

Thermex dielectric heating systems are widely acclaimed for their rugged dependability and engineering superiority. The unique characteristics of dielectric heating in achieving uniform, rapid and controlled heating throughout a given mass has never been more successfully exploited than in our Industrial RF Preheaters. Systems that enable heating to precise, optimum molding temperature. Today’s Thermex RF brings a new standard of economy and automation to preheating plastic preforms.

Features:
- Solid state power supply
- Continuous output power
- Power output controlled by adjustable electrode
- Plug-in cycle timer
- Indicators include: Power On, Ready, RF On, Fault
- Equipped with automatic overload protection
- Standard voltage of 480V 60Hz 50Hz; other voltages optional
- System fully air cooled
- Double interlocked cavity door for safety
- Heavy duty casters provided for ease of movement

Common Uses: Preheating of thermosetting plastics for compression molding

Model Pictured: TP10C

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RF PREHEATER

**OPTIONAL ACCESSORIES:**
- IR Temperature Sensor integrated into the heat cycle
- Preform Rotators for one to four rows of preforms
- End of cycle indicator
- Automatic fault reset / restart
- Analog and discrete outputs for external data collection
- Remote Cycle Start/Stop Function
- Heat delay timer
- Arc suppression
- Custom electrodes
- Audible alarms

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**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>TP5C</th>
<th>TP10C</th>
<th>TP12.5C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output (Adjustable)</td>
<td>5kW</td>
<td>10kW</td>
<td>12.5kW</td>
</tr>
<tr>
<td>Frequency</td>
<td>60-80MHz</td>
<td>60-80MHz</td>
<td>60-80Mhz</td>
</tr>
<tr>
<td>Utilities</td>
<td>60 Hz at 480V</td>
<td>60 Hz at 480V</td>
<td>60 Hz at 480V</td>
</tr>
<tr>
<td>Phases</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Electrode Size</td>
<td>12” x 12”</td>
<td>16” x 16”</td>
<td>18” x 18”</td>
</tr>
<tr>
<td>Loading Height</td>
<td>38”</td>
<td>38”</td>
<td>41”</td>
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<tr>
<td>Maximum Preform Diameter</td>
<td>2.5”</td>
<td>2.5”</td>
<td>3”</td>
</tr>
<tr>
<td>Cabinet Dimensions</td>
<td>75” Height 36” Width 38” Depth</td>
<td>75” Height 36” Width 38” Depth</td>
<td>77” Height 41” Width 36” Depth</td>
</tr>
</tbody>
</table>

**APPLICATIONS INCLUDE:**
- Preheating & curing of polyester, urethane, epoxy, urea, silicone, synthetic rubber and Phenolic resins
- SMC Bonding
- Adhesive curing
- General drying
- Testing/heating studies
- Bulk or granular solids

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