Water Units

• 30°F to 250°F Process Fluid Temperatures*
• 10 to 34 kW Heaters
• ¾ to 7½ HP Centrifugal Pumps (20 - 100 GPM)
• 1/2” & 3/4” AVT™ Modulating Cooling Valves

The water temperature control unit is used to preheat a process to the desired operating temperature by engaging the unit’s electric immersion heater and recirculating the water in the system.

Upon reaching the operating temperature, the water temperature control unit can continue to add heat or become a cooling device by exchanging a small amount of recirculated water with cooling water supplied from an external source.

Tight temperature control is achieved by adding just the right amount of heat or by precisely metering cooling water into the system.

*T Series Controller
• Touch screen simplicity
• 4.3” full color touch screen interface
• More than 15 screens with custom set-up, operation & system monitoring information.
• Home screen includes continuous setpoint and to process temperature.
• Digital flow rate display and from process temperature on informational screen.
• % Heating or Cooling indication on home screen.
• Standard shut down pump seal cooling feature.
• User configurable automatic start-up venting.
• Out-of-spec alarm including standard audible signal.
• Solid state temperature sensors.
• Selectable SPI or Modbus RTU communication.

G Series Controller
• Visual graphical display
• Easy to navigate LCD display.
• Home screen includes continuous setpoint and to process temperature.
• Standard shut down pump seal cooling feature.
• User configurable automatic start-up venting.
• Out-of-spec alarm including standard audible signal.
• Solid state temperature sensors.
• Selectable SPI or Modbus RTU communication.

* Relies on an external source of cooling water that must be colder than the desired set point temperature.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Weight</th>
<th>@3ø/60hz</th>
<th>Optional: Units with 16 kW Heater</th>
<th>Optional: Units with 24 kW Heater</th>
<th>Optional: Units with 34 kW Heater</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight (pounds)</strong></td>
<td>Shipping²</td>
<td>200</td>
<td>208</td>
<td>208</td>
</tr>
<tr>
<td><strong>Full Load Amperage</strong></td>
<td>230 volt</td>
<td>27.8</td>
<td>28.6</td>
<td>30.2</td>
</tr>
<tr>
<td><strong>Process Pump</strong></td>
<td>HP</td>
<td>¼</td>
<td>1</td>
<td>½</td>
</tr>
<tr>
<td><strong>Process Pump</strong></td>
<td>GPM</td>
<td>35</td>
<td>45</td>
<td>62</td>
</tr>
<tr>
<td><strong>Process Pump</strong></td>
<td>PSI</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td><strong>Dimensions (inches)</strong></td>
<td>Height</td>
<td>28½</td>
<td>28½</td>
<td>28½</td>
</tr>
<tr>
<td><strong>Dimensions (inches)</strong></td>
<td>Width</td>
<td>12½</td>
<td>12½</td>
<td>12½</td>
</tr>
<tr>
<td><strong>Dimensions (inches)</strong></td>
<td>Depth</td>
<td>19½</td>
<td>19½</td>
<td>19½</td>
</tr>
<tr>
<td><strong>Connections (inch)</strong></td>
<td>T/F¹</td>
<td>1½</td>
<td>1½</td>
<td>1½</td>
</tr>
<tr>
<td><strong>Connections (inch)</strong></td>
<td>S/D¹</td>
<td>½</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td><strong>Full Load Amperage</strong></td>
<td>460 volt</td>
<td>13.9</td>
<td>14.3</td>
<td>15.1</td>
</tr>
<tr>
<td><strong>Weight (pounds)</strong></td>
<td>Shipping²</td>
<td>205</td>
<td>210</td>
<td>210</td>
</tr>
</tbody>
</table>

### Process Connection

- **Control Instrument**
- **Temperature Probe**
- **Cooling Valve**
- **Heater**
- **Pump**

### Model Number Designator

- **T Series Touch Screen = T**
- **G Series = G**
- **V Series = V**
- **300°F Series = T300**

**Pump**
- **75 = 3/4 HP**
- **100 = 1 HP**
- **150 = 1.5 HP**
- **200 = 2 HP**
- **300 = 3 HP**
- **500 = 5 HP**
- **750 = 7.5 HP**

---

**Notes:**
1. Derate heater output by 25% for 208/380 operation.
2. Consult factory for 50hz operations.
3. T - to process; F - from process.
4. S - water supply; D - drain.
5. Approximate unit shipping weight.
6. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications.