**Cast-In Heaters**

**Circulation Heaters**

### CHX-200 Series Circulation Heater

- **Seamless 316 SS Tubing for fluid flow**
- **Cast-In Tubular Heater**
- **Cast Aluminum heat exchanger body**
- **Operating pressure up to 3000 PSI**
- **Operating temperature up to 392°F (200°C)**
- **Type C2 (General Purpose) housing with standoff**

### Optional Design Features
- **Process Thermocouple**
- **Overtemperature Thermocouple**
- **Type MPR (Moisture Resistant) or Type EP (Explosion Resistant) Housings**

### Typical Applications
- Solvent heating (MEK, NMP, ACT, EKC, others)
- Heating of Air, CO2, Nitrogen and similar gases
- Heating of non-flammable gases
- De-ionized water heating
- Steam generation
- Glycol heating
- Heating ink in printing
- Diesel and Fuel heating
- Packaging sterilization
- Analytical instrumentation
- Food and beverage heating
- Coating and Paint heating

### Standard (Non-Stock) Sizes and Ratings

<table>
<thead>
<tr>
<th>Heater Length (in)</th>
<th>Watts</th>
<th>Volts</th>
<th>Phase</th>
<th>Termination Type</th>
<th>Terminal Box Type</th>
<th>Tube Config.</th>
<th>Tube Fitting Type</th>
<th>Calibration Type</th>
<th>Thermocouple Style</th>
<th>Termination Type</th>
<th>Lead Length (in)</th>
<th>T-Stat</th>
<th>Part Number</th>
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<td>T7</td>
<td>Type EP</td>
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<td>J</td>
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| Insulation Blankets Available

**Construction**
The CHX-200 circulation heater is a compact lightweight unit used for heating gases or liquids. The material being heated is pumped through the coiled seamless 316 SS tubing which has been cast into an aluminum body that acts as the heat exchanger. A tubular heating element is the heat source. The material being heated never comes into contact with the heating element.

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