Technical Specifications

ECU Series Water Temperature Control Units utilize a robust design for even the most demanding applications. These highly featured products provide a leaving water temperature range from 32°F to 250°F (0°C to 121°C) and offer an option to reach up to 300°F (148.9°C) leaving water temperature. The tight temperature control of ±1.5°F (0.8°C) allows for more efficient production through increased temperature consistency and control. With a wide range of communication options, the AEC ECU is the right choice for your application needs.

Features

Standard Features
- 1/16 DIN temperature controller with Process and Setpoint LED readouts
- Graphic control panel with indicator and warning lights
- Compact cabinet
- Incoloy™ immersion heater with IEC contactor
- Motor circuit protector
- 3/4” water supply, 1.5” process connections, valve size matches drain size
- 1.5” casters
- 150 psi (10.2 bar) pressure relief valve
- Independent high temperature safety thermostat
- Adjustable low supply water pressure switch, factory set at 16 psig (1.1 bar)
- 3/4 hp through 7.5 hp cast iron process pumps with SICB/carbon mechanical seals
- Automatic vent sequence
- 1 year warranty on parts and labor at the factory
- 3 year warranty on controller

Optional Features
- 12 kW heater
- 300°F operation; includes silicon carbide seal (requires 55 psi minimum water supply pressure)
- Manual bypass
- Pressure regulator/relief valve for water supply, shipped loose
- Pressure gauges (shipped loose)
- Y-strainer
- Hammer arrestor
- Quick cool switch
- 1/2” and 3/4” cooling solenoid slow-closing valve
- Auto system water purge (mold purge), shipped loose
- General fault audible/visual alarm
- Remote start/stop
- Communications – RS232, RS485, RS485 SPI*
- Ten foot power cord; no plug, shipped loose
- Rotary through-the-door disconnect switch
- UL/cUL-listed subpanel
## Specifications

<table>
<thead>
<tr>
<th>Pump HP (kW)</th>
<th>Flow gpm (lpm)</th>
<th>Pressure psig (bar)</th>
<th>FLA, 9 kW @ 460/3/60</th>
<th>FLA, 12 kW @ 460/3/60</th>
<th>Height in. (mm)</th>
<th>Width in. (mm)</th>
<th>Depth in. (mm)</th>
<th>Ship. weight lbs. (kgs).</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75 (0.56)</td>
<td>30 (114)</td>
<td>25 (1.7)</td>
<td>12.7</td>
<td>16.5</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>210 (95)</td>
</tr>
<tr>
<td>1 (0.75)</td>
<td>35 (132)</td>
<td>30 (2.0)</td>
<td>13.1</td>
<td>16.9</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>210 (95)</td>
</tr>
<tr>
<td>2 (1.49)</td>
<td>50 (189)</td>
<td>30 (2.0)</td>
<td>14.7</td>
<td>18.5</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>210 (95)</td>
</tr>
<tr>
<td>3 (2.24)</td>
<td>60 (227)</td>
<td>40 (2.7)</td>
<td>16.1</td>
<td>19.9</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>210 (95)</td>
</tr>
<tr>
<td>5 (3.73)</td>
<td>75 (284)</td>
<td>54 (3.7)</td>
<td>18.9</td>
<td>22.7</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>240 (109)</td>
</tr>
<tr>
<td>7.5 (5.6)</td>
<td>90 (341)</td>
<td>63 (4.3)</td>
<td>22.3</td>
<td>26.1</td>
<td>25 (635)</td>
<td>12.25 (311)</td>
<td>26 (660)</td>
<td>240 (109)</td>
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</tbody>
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