EOTC SERIES

- 100°F to 500°F Process Fluid
- Heaters from 12 to 48 kW
- Pumps from 1 to 7.5 Horsepower
- 3.6 Sq. Ft Heat Exchanger (Included on “HC” models)

The ETOC Series hot oil temperature control unit is built with cast and welded components in the circulation system to minimize leaks and is suitable for use in plastics, rubber, die casting and other processes that require fluid temperatures to 500°F.

T500 Series Control

- Touch screen simplicity
- 4.3” full color touch screen interface
- More than 25 screens with custom set-up & system monitoring information.
- Home screen includes continuous set point and to process temperature.
- % Heating or Cooling indication on home screen.
- Out-of-spec alarm including standard audible signal.
- Pump rotation monitor.
- Selectable English or Spanish language display.
- Selectable °F or °C temperature display.
- Selectable SPI or Modbus RTU communication.
- For process fluid temperature up to 500°F
- Optional: Modbus TCP communication

G500 Series Control

- Easy to use menu driven controller
- LCD display
- Home screen includes continuous set point and to process temperature.
- % Heating or Cooling indication on home screen.
- Out-of-spec alarm including standard audible signal.
- Selectable °F or °C temperature display.
- Selectable SPI or Modbus RTU communication.
- For process fluid temperature up to 500°F
- Optional: Modbus TCP communication
### STANDARD FEATURES

**TANK CONSTRUCTION:** Large capacity expansion tank • NPT process connections with process line shut-off valves • Oil level sight glass • Air operated mold purge circuit • Fluid drain valve • Fluid fill port

**PUMP:** High flow low pressure centrifugal pump • Cast iron casing • Cast pump impeller • Water cooled pump seal • Stainless steel motor shaft

**HEATER:** Flanged bolt-in mount • Vertical orientation • Steel heater sheath • Mercury heater contactor

**COOLING:** models with a “C” suffix includes a 3.6 sq.ft. u-tube heat exchanger and water solenoid.

**CABINETRY/FRAME:** Stainless steel cabinetry • Hinged electrical cover • Portable, on casters • Galvanized steel base • Selection of optional heaters may change cabinet configuration

**LIMIT DEVICES:** Water supply pressure switch • Motor overload relay • Pressure relief valve (water) • High temperature limit • Fused control circuit

**ELECTRICAL:** Process pump motor starter • Fused transformer • 110 volt alarm output

**PRESSURE GAUGE:** To process

### MODEL DESIGNATOR

<table>
<thead>
<tr>
<th>EOTC - 100C-T</th>
<th>Controller</th>
<th>Mode</th>
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<tbody>
<tr>
<td>Model Series</td>
<td>T : T-500</td>
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<tr>
<td>Pump HP Designator</td>
<td>G : G-500</td>
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<tr>
<td>No letter : Heating Only</td>
<td>C : Heating &amp; Cooling</td>
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### OPTIONS

**HEATERS**
- Higher capacity heaters :
  - 16 kW, 24 kW, 27 kW
  - 36 kW, 48 kW
- Selection of optional heaters change dimensions amps and weight.
  - 16 kW & 24 kW changes unit dimensions to 58” x 23” x 47” (HxWxD)
  - 27 kW, 36 kW & 48 kW changes unit dimensions to 65” x 22” x 33” (HxWxD)

**PUMPS**
- Air cooled pump seals in lieu of water cooled

**SYSTEM ALARMS:**
- Audible alarm
- Visual/audible alarm beacon

**HEAT EXCHANGERS**
- Special heat exchanger sizes for increased cooling capacity

**ELECTRICAL**
- Nema 12 construction
- UL 508A enclosed electrical panel

### STANDARD FEATURES

<table>
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<th>EOTC - 100</th>
<th>100C</th>
<th>150C</th>
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Notes: 1. Derate heater output by 25% for 208/3/60 operation. 2. Consult factory for 50hz operations. 3. Approximate shipping weight. Selection of larger heaters and/or pumps may change the physical dimensions of the unit. Consult factory for specific dimensions.