



Sterlco® TC110 SERIES

Water Temperature Control Unit



Technical Specifications

The Sterlco® TC110 Series Water Temperature Control Units offer competitive pricing, short lead times, and utilize a simple design to meet basic TCU needs. These simple products provide a leaving water temperature up to 250°F (121°C). The tight temperature control of ±1.5°F (0.8°C) allows for more efficient production through increased temperature consistency and control.

AVAILABILITY

- Large quick ship inventory
- Options available with quick ship units
- 2 day turnaround for majority of product offering

VALUE

- High quality at a low cost
- Durable, proven design
- Budget conscious, basic needs TCU

SERVICEABILITY

- Simple, quick access design
- Open access to components
- Easily removable side panels
- Industry standard controller

Features

Standard Features

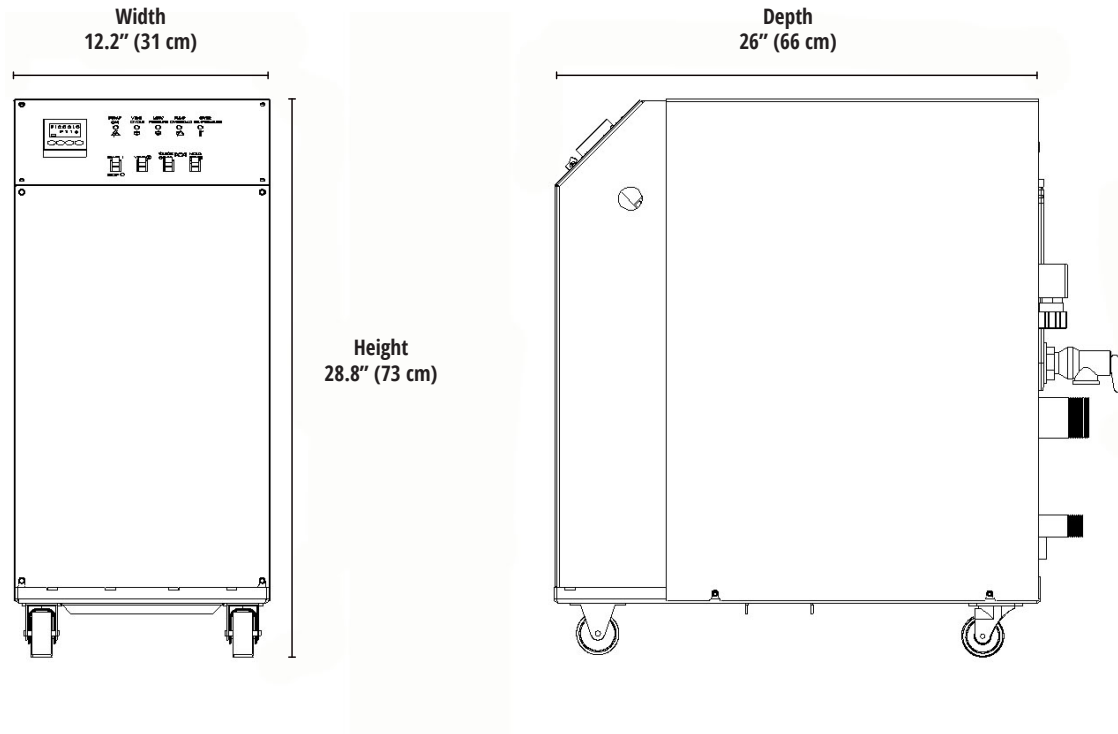
- 1/16 DIN temperature controller with Process and Setpoint LED readouts
- Graphic control panel with indicator and warning lights
- Compact cabinet with 2" casters
- Immersion heater with IEC contactor
- Integrated motor circuit protector
- 3/4" water supply, 1.5" process connections, valve size matches drain size
- 150 psi (10.3 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

- Quick cool switch
- 1 year warranty on parts and labor at the factory
- 3 year warranty on controller

Optional Features

- 12 kW heater
- 1/2" and 3/4" cooling solenoid valve
- Manual bypass (shipped loose)
- Pressure regulator/relief valve for water supply (shipped loose)
- Pressure gauges (shipped loose)
- Y-strainer (shipped loose)
- Hammer arrestor (shipped loose)
- Auto system water purge (mold purge) (shipped loose)
- Ten foot power cord; no plug (shipped loose)
- Rubber feet (shipped loose)

Product Diagrams



Pump Curves

Charts show flows and pressures that are available for the standard pump options. Custom pumps available upon request.

Pump HP (kW)	Flow GPM (LPM)	Pressure PSIG (bar)
0.75 (.56)	30 (114)	25 (1.72)
1.0 (0.75)	35 (133)	30 (2.07)
2.0 (1.5)	50 (189)	30 (2.07)
3.0 (2.24)	60 (227)	40 (2.76)
5.0 (3.76)	75 (284)	54 (3.72)
7.5 (5.6)	90 (341)	63 (4.34)

