



## TRUETEMP TCO SERIES HOT OIL TCU

TrueTemp TCO Series Hot Oil TCUs from AEC provide highly accurate control for production applications requiring a continuous supply of high-temperature-controlled fluids.

All TrueTemp TCO Series hot oil portable temperature control units have an operating temperature range of 100°F up to a maximum of 550°F (38°C to 288°C). For applications outside this range, consult the factory.



TrueTemp TCO Series

### STANDARD FEATURES

- Single or dual zone (2TCO) models available
- 6 kW heater [maximum operating temp of 400°F (204°C)]
- Omron® E5CK microprocessor controller with fuzzy logic; includes diagnostic features with indicator and warning status lights
- System status graphic display
- Dual stage immersion heater(s) with IEC contactors
- 550°F (288°C) maximum operating temperature
- Branch circuit protection
- Non-fused lockable rotary disconnect
- Pressure switch for low pump pressure shut-down
- NEMA 12 electrical enclosure
- UL listed subpanel
- To Process pressure gauge
- Independent safety thermostat
- Y-strainer on From Process line
- Positive displacement pumps capable of reversing to evacuate the process
- Easily removable panels for quick access to internal components
- Audible alarm
- 1 year parts and labor warranty at the factory
- 5 year controller warranty

### OPTIONAL FEATURES

- 12, 18, or 24 kW heaters maximum operating temp of 550°F (288°C)
- Drain valve
- Analog flow meter
- General fault visual alarm
- U-tube heat exchangers, 3.9 sq. ft. or 6.7 sq. ft.
- 208/3/60, 230/3/60, 380/3/50, 415/3/50, 575/3/60 operating voltage
- CE certification
- Oil filtration cart package with one 50 micron filter
- Filters, sold by the case (30 filters per case), 25 micron, 50 micron, or 100 micron
- TrueTherm™ heat transfer fluid, 5 gallons (p.n. A0549000) or 55 gallons (p.n. A0549001)
- TrueFlush™ flushing fluid, 5 gallons (p.n. A0549002) or 55 gallons (p.n. A0549003)

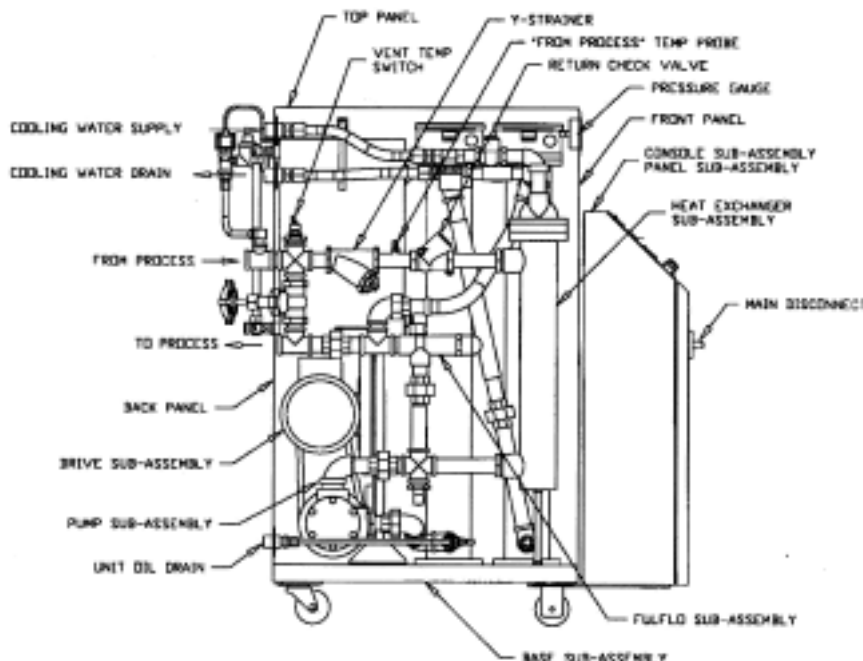
## SPECIFICATIONS

Model	Pump, hp (kW)	Flow, gpm (lpm)	Height, in. (cm)	Width, in. (cm)	Depth, in. (cm)	Ship. weight, lbs. (kg)
TCO 1	1 (0.746)	18 (68.1)	46 (117)	18.25 (46)	42 (107)	600 (273)
TCO 1.5	1.5 (1.119)	18 (68.1)	46 (117)	18.25 (46)	42 (107)	600 (273)
TCO 2	2 (1.492)	24 (90.8)	46 (117)	18.25 (46)	42 (107)	600 (273)
2TCO 1 (2 zone)	1 (0.746)	18 (68.1)	46 (117)	36.5 (93)	42 (107)	1200 (546)
2 TCO 1.5 (2 zone)	1.5 (1.119)	18 (68.1)	46 (117)	36.5 (93)	42 (107)	600 (273)
2 TCO 2 (2 zone)	2 (1.492)	24 (90.8)	46 (117)	36.5 (93)	42 (107)	600 (273)

## CONTROLLER OPTIONS

Controller	Options
Standard	4 to 20 mA retransmission of process variable (E5CK only) 4 to 20 mA remote setpoint & retransmission of process variable (E5AK only) Communication: RS-232, RS-485, RS-485 SPI (Athena 16 CT) Remote probe: local/remote control (remote probe and internal probe change to 100 ohm RTD) Hour meter, for pump run time
Advanced	4 to 20 mA remote setpoint and retransmission of process variable, setpoint, or flow rate Communication: RS-232 Modbus, RS-485 Modbus, RS-485 SPI, Ethernet IP via Modbus RTU Remote probe <sup>1</sup>
Remote control enclosure with 20 ft. cable (additional cable available at extra charge)	

<sup>1</sup> Remote probe with advanced controller allows customer to either monitor or control from a customer supplied type J or K thermocouple or 100 or 1000 ohm RTD. Additional cost to have probe supplied by manufacturer.



Optional Advanced Controller