



## TRUETEMP VULCAN SERIES HOT OIL TCU

Compact in size, but big in performance, Vulcan Series oil temperature control units provide accurate process temperature control wherever you want it—not wherever it fits. This versatile unit's controls and connections are optimally located for ease of use and hookup.



Model TDOS

### STANDARD FEATURES

- *Off-the-shelf auto-tune microprocessor-based PID temperature controller with process and set value LED readout*
- *2-gallon (8-liter) reservoir*
- *Check valve on water supply*
- *IEC contactors*
- *Compact cabinet with removable panels*
- *Branch fusing*
- *1.5 sq. ft. heat exchanger*
- *Mechanical seal pump*
- *400°F (204°C) operating temperature*
- *6 kW heater*
- *Pressure actuated bypass*
- *Positive displacement pump*
- *Reservoir with sight glass*
- *Independent safety thermostat with safety contactor*

### OPTIONAL FEATURES

- *3.7 sq. ft. heat exchanger, outside the unit, 1/2" supply connection, 3/4" drain*
- *Y-strainer*
- *Pump reverse*
- *Lexan® cover*
- *High temperature hose (see next page for details)*
- *Audible alarm*
- *Y-Strainer on process return*

**SPECIFICATIONS**

Model	Pump, hp (kW)	Flow, gpm (lpm)	Pressure, psi (kPa, bars)	Dimensions, in. (mm)
TDOS	0.75 (0.56)	6 (22.7)	50 (344.8, 3.45)	Height 27 (705)
				Width 13 (330)
				Depth 31 (787)

Because of high temperatures, flash steam may accrue in heat exchangers. Some applications may require the use of a condensate tank. Consult factory for non-matching dual zones with differing flows and pressures.

**HIGH TEMPERATURE HOSE OPTIONS**

Part Number	Diameter, in.	Length, ft. (m)
572-16969-02	0.75	6 (1.83)
572-16969-12	0.75	10 (3.05)
572-16969-76	1	5 (1.52)
572-16969-08	1	10 (3.05)
572-16969-53	1	15 (4.57)
572-16969-59	1.5	10 (3.05)
572-16969-49	1.5	15 (4.57)

Hose material is Flexonics Series 101 corrugated hose fabricated from carbon steel with single braid.