



TDH-6 FLUID CIRCULATING CONTROL SYSTEM

AEC's vast background of experience and skill in designing and building temperature control equipment assures you of peak performance from this unit. Carefully designed and balanced control systems assure sensitivity and instantaneous reaction to temperature changes. Operation is simple, and the unit is complete and easy to use. Ready to operate when power and circulation connections are made. Several combinations of heater sizes and pumping rates are available. Cooling controls are optional. We will be happy to assist you in selecting the proper unit for your requirements.



TDH-6 Fluid Circulating System

STANDARD FEATURES

- *Viking positive displacement, packed pump with drip return pump*
- *TEFC Pump Motor*
- *NEMA 12-style electrical control enclosure with IEC electrical components*
- *Disconnect switch*
- *Pressure-actuated bypass valve*
- *System status graphics display*
- *To Process oil pressure gauge*
- *Temperature to 550°F*
- *Heater sizes from 50 to 200 kW*
- *Pump rates of 90, 150 or 200 gpm*
- *UL listed electrical subpanel*
- *Optional cooling capabilities*
- *E5AK, 1/4 DIN control standard*
- *Low level alarm*

OPTIONAL FEATURES

- *Mechanical seal pump*
- *Autovent*
- *Autoshutdown (E5AK controller)*
- *Manual bypass*
- *Shell and tube heat exchanger*
- *Advanced controller*

Note: heat exchanger is setup to pulse heat transfer fluid and continuously pass water through tubes.

SPECIFICATIONS

Model Number	Motor hp	Pump Flow gpm	Pressure PSI	Pipe Size NPT	Heating Capacity (kW)						
					50	60	75	100	120	150	200
TDH-6	5	90	50	2"	small	small	small	small	large	large	large
	10	150	50	2 1/2"	large*	large*	large*	large*	large	large	large
	15	200	50	3"	large	large	large	large	large	large	large

* For these capacities, the unit is built in the large cabinet as standard. In a heating only unit, it could be built in the small cabinet.

DIMENSIONS

Small Cabinet: 30" W x 58" D x 70" H

Large Cabinet: 46" W x 58" D x 70" H



Optional advanced controller

ADVANCED CONTROLLER FEATURES

- PID Control for both heating and cooling
- 4 line x 20 character LCD Display Screen
- Setpoint, To Process, From Process, and DT displays
- Start, stop, vent, and alarm silence switches
- Triac outputs for heating and cooling