



Temperature Control Units

High Temperature Oil Units

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.

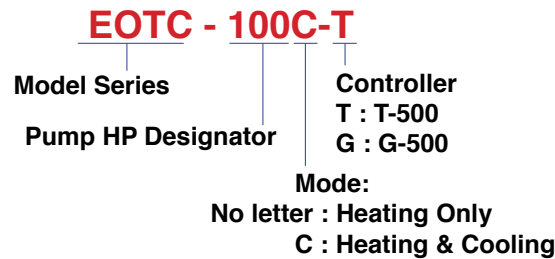
CABINETRY/FRAME: Stainless steel cabinetry • Hinged electrical cover • Portable, on casters • Galvanized steel base • Selection of optional heaters may change cabinet configuration

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



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

	EOTC -	100	100C	150	150C	200	200C	300	300C	500	500C	700	700C
HEATER¹	kW	12	12	12	12	12	12	12	12	12	12	12	12
PROCESS PUMP	HP	1	1	1 1/2	1 1/2	2	2	3	3	5	5	7.5	7.5
	GPM	30	30	45	45	50	50	60	60	70	70	100	100
	PSI	24	24	26	26	28	28	26	26	28	28	44	44
HEAT EXCHANGER	Sq. Ft.	--	3.6	--	3.6	--	3.6	--	3.6	--	3.6	--	3.6
FULL LOAD AMPERAGE	230 Volt	33.0	33.0	34.0	34.0	35.0	35.0	36.0	36.0	40.0	40.0	60.0	60.0
	@3ø/60hz ² 460Volt	16.5	16.5	17.0	17.0	17.5	17.5	18.0	18.0	20.0	20.0	30.0	30.0
	575 Volt	12.5	12.5	13.0	13.0	13.6	13.6	13.5	13.5	15.0	15.0	23.0	23.0
DIMENSIONS (inches)	Height	44	44	44	44	44	44	44	44	65	65	65	65
	Width	16	16	16	16	16	16	16	16	22	22	22	22
	Depth	24	24	24	24	24	24	24	24	33	33	33	33
CONNECTIONS (inches)	To / From Process	1	1	1	1	1	1	1	1	2	2	2	2
	Supply / Drain	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
WEIGHT (pounds)	Shipping ³	275	275	285	285	300	300	300	300	750	750	760	760

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.



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