

TEMPERATURE CONTROL UNITS

EOTC SERIES

- Oil Units
- Heaters from 12 to 24 KW
- Pumps from 1 to 3 HP
- Temperatures Up To 500°F



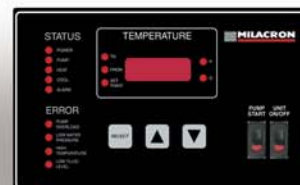
Model : EOTC-1230HC

Oil unit with 12 KW heater with a 1 HP process pump and LE series microprocessor controller.

HE Series Control Instrument



LE Series Control Instrument



**CINCINNATI
MILACRON**

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 • Bronze 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 3.5 sq.ft. u-tube heat exchanger and water solenoid.

CABINETY/FRAME: Stainless steel cabinetry • Hinged electrical cover • Portable, on casters • Galvanized steel base

SAFETY 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 • 10' power cord installed • 110 volt alarm output

PRESSURE GAUGE: To process

INSTRUMENTATION -

'LE' INSTRUMENT - up to 500°F: Single temperature display for *to process, from process* and *setpoint temperatures* • Status lights for *power, pump heat, cool* and *alarm* • Error lights for *pump overload, low water pressure, and high temperature* • Pump start switch • Unit on/off toggle switch • Soft key operators

'HE' INSTRUMENT - up to 500°F: Continuous *to process* temperature display • Selectable *from process* temperature display • Temperature display in Fahrenheit or Celsius • Continuous *setpoint* temperature display • Setup display for *temperature, network* and *machine* • Capacity display for *heat, cool* • Ok-fault status display for *temperature deviation, probe, water pressure, high temperature, pump overload* and *phase* • Alarm display • Communications display • SPI communications • Soft key operators

OPTIONS

HEATERS

- Higher capacity heaters :
16KW, 24KW, 27KW
36KW, 48KW

PUMPS

- Higher capacity pumps :
5HP, 7.5HP

SYSTEM ALARMS:

- Audible alarm
- Visual/audible alarm beacon

HEAT EXCHANGERS:

- Special heat exchanger sizes

ELECTRICAL:

- Nema 12 construction

CABINETY:

- Rear Panel Cover

SPECIFICATIONS

	EOTC -	100	100C	150	150C	200	200C	300	300C
HEATER¹	KW	12	12	12	12	12	12	12	12
PROCESS PUMP	HP	1	1	1½	1½	2	2	3	3
	GPM	30	30	45	45	50	50	60	60
	PSI	24	24	26	26	28	28	26	26
HEAT EXCHANGER	Sq. Ft.	--	3.7	--	3.7	--	3.7	--	3.7
FULL LOAD AMPERAGE @3ø/60hz ²	230 Volt	34.8	34.8	36.4	36.4	38.0	38.0	39.5	39.5
	460 Volt	17.9	17.9	18.7	18.7	19.5	19.5	21.5	21.5
	575 Volt	14.3	14.3	14.9	14.9	15.6	15.6	19.6	19.6
DIMENSIONS (inches)	Height	44	44	44	44	44	44	44	44
	Width	16	16	16	16	16	16	16	16
	Depth	24	24	24	24	24	24	24	24
CONNECTIONS (inches)	To / From Process	1	1	1	1	1	1	1	1
	Supply / Drain	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

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.



MILACRON PROCESS SUPPORT BUSINESS

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