

OTCS

Compact Oil Temperature Controller

- Heat Transfer Fluids to 550°F
- 4 - 18 kW (14 - 61 Mbh)
- 240 and 480V, 3 Phase, 60 Hz
- Non-Pressurized (Atmospheric) Operation
- 150 Lb Carbon Steel Construction
- Long Life 0.475" Dia. Steel Sheath Elements
- 1 hp Positive Displacement Pump Rated 18 gpm @ 50 psi TDH
- Pump Bypass Relief Valve (Factory Set 45 psi)
- Electronic Digital Temperature and Process Control
- NEMA 1 Electrical Enclosure Complete with Circuit Breaker, Contactors, Fusing, Switches, Transformers and Pilot Lights
- Pressure Gauge Monitors Discharge Pressure To Process
- Compact, Totally Enclosed and Louvered Portable Cabinet with Casters
- Integral Expansion Tank with Atmospheric Vent
- Optional Closed-Loop Cooling (3.6 Ft² Heat Exchanger)

Applications

Chromalox OTCS Oil Temperature Control Systems are compact, versatile and completely self contained. They are engineered to operate up to 550°F at atmospheric pressure (non-pressurized). They are particularly useful in the plastics industry for use with plastic materials that require higher temperatures than can be achieved by hot water systems.

- Injection Molding Machines — Thermoplastics and Thermosets
- Platens and Dies
- Rolls, Laminating and Calendering
- Pipeline Heating and Tracing
- Jacketed Vessels and Tanks

Features

Systems are prepped with pump, heaters and expansion tank. A process control thermocouple is installed in the discharge piping. Standard 1" NPT piping connections provide for convenient hook up to external high temperature hoses or piping. All wiring conforms to NEC requirements.

Options

- Alternate Voltage and kW Ratings



- Microprocessor Based PID or Ramp Soak Temperature Controls
- Electronic Solid State Power Controllers
- Digital Communication Interface
- Mechanical Pump Seals and Special Pumps
- Shut Off Valves on Inlet and Outlet Piping
- ASME Certified Flange Heater and Chamber

Specifications and Ordering Information

kW	Volts	Ph	Pump Motor (HP)	Dimensions (In.)			Cooling Type	Model	Stock	PCN	Wt. (Lbs.)
				H	W	D					
4	240	3	1	60	24	38	Heat Only	OTCS-550-4	AS	025507	400
4	480	3	1	60	24	38	Heat Only	OTCS-550-4	AS	025515	400
4	240	3	1	60	24	38	Heat/Cool	OTCS-550-4C	AS	025611	450
4	480	3	1	60	24	38	Heat/Cool	OTCS-550-4C	AS	025620	450
6	240	3	1	60	24	38	Heat Only	OTCS-550-6	S	025531	400
6	480	3	1	60	24	38	Heat Only	OTCS-550-6	S	025540	400
6	240	3	1	60	24	38	Heat/Cool	OTCS-550-6C	S	025638	450
6	480	3	1	60	24	38	Heat/Cool	OTCS-550-6C	S	025646	450
9	240	3	1	60	24	38	Heat Only	OTCS-550-9	AS	025558	400
9	480	3	1	60	24	38	Heat Only	OTCS-550-9	AS	025566	400
9	240	3	1	60	24	38	Heat/Cool	OTCS-550-9C	AS	025654	450
9	480	3	1	60	24	38	Heat/Cool	OTCS-550-9C	AS	025662	450
12	240	3	1	60	24	38	Heat Only	OTCS-550-12	AS	025574	400
12	480	3	1	60	24	38	Heat Only	OTCS-550-12	AS	025582	400
12	240	3	1	60	24	38	Heat/Cool	OTCS-550-12C	AS	025670	450
12	480	3	1	60	24	38	Heat/Cool	OTCS-550-12C	AS	025689	450
18	240	3	1	60	24	38	Heat Only	OTCS-550-18	S	025590	400
18	480	3	1	60	24	38	Heat Only	OTCS-550-18	S	025603	400
18	240	3	1	60	24	38	Heat/Cool	OTCS-550-18C	S	025697	450
18	480	3	1	60	24	38	Heat/Cool	OTCS-550-18C	S	025700	450

Stock Status: S = stock AS = assembly stock NS = non-stock
To Order—Specify model, volts, phase, kW, PCN, options and quantity.