

TT-248

Oil temperature control unit

Powerful, small device



Oil up to 392°F

Heating capacity **27'297 BTU/hr**

Cooling capacity **20 kW @ 392°F**

Cooling system indirect

Application: moulds up to 1'322 lbs



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C to or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature control
- Switchover for temperature control on the mould
- Pressure display
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possible

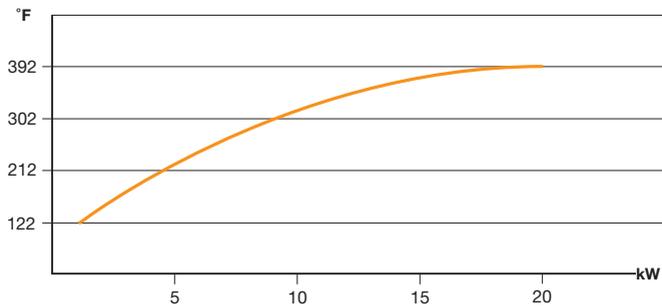
Construction

- High temperature pump with mechanical seal
- Hot oil circuit with bypass which ensures the internal oil circulation when the valves are closed
- Limescale free heat exchanger
- No cracking of the oil thanks to special heating construction
- Expansion tank with drip pan
- Unit on castors

Safety features

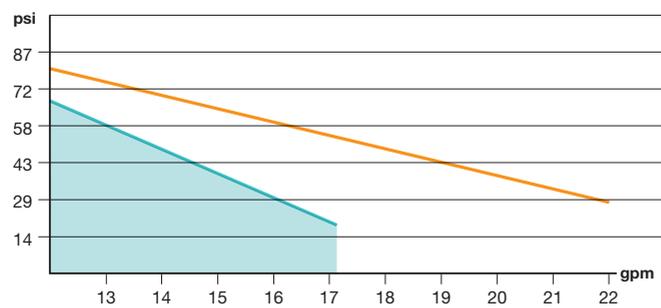
- Level control for dry run protection
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



— = Cooling capacity at 53.6°F cooling water temperature

Pump capacity



— = Theoretical pump curve

— = In practice achievable values permanent internal bypass considered

Technical data

Product attribute	Unit	TT-248
Temperature range	°F	Up to 392°F with heat transfer oil TOOL-THERM SH-3
Temperature control		Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
Flow control		Electronically, with digital display and automatic control of the minimum flow.
Heating capacity	BTU/hr	27'297 BTU/hr
Cooling capacity		Approx. 20 kW at 392°F circulating temperature – see diagram
Pump capacity		
Motor	HP	2.4 HP
Pressure mode		Max. 80 psi / max. 26.4 gpm – see diagram
Vacuum mode		Vacuum max. 23.17 inHg
Temperature measurement at the mould		Yes
Leakstopper and mould drainage		Yes
Expansion tank capacity		2 Gallons
Filling amount		2 Gallons
Expansion volume		1.5 Gallons
Connections		
Oil circuit		¾" NPT female thread
Cooling water		
Inlet		With water filter ½" NPT female thread
Outlet		½" NPT female thread
Dimensions (LxWxH)	inch	34.6x14.2x36.2 inch, incl. castors
Weight	lbs	Approx. 265 lbs empty
Colour		Silvergrey RAL 7001