

TT-388

Oil temperature control unit

High temperature device with high functionality

- available as 2-circuit device



Oil up to 680°F

Heating capacity

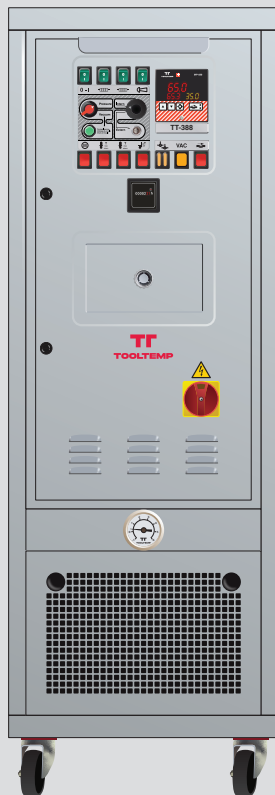
54'594 BTU/hr

81'891 BTU/hr

Cooling capacity **90 kW @ 680°F**

Cooling system indirect

Applications: moulds, rollers, plates



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – steps
- Display in °C or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature control
- Switchover for temperature control on the mould
- Heating switchable in stages
- Heaters with cascade connection (only 81'891 BTU/hr)
- Pressure display
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possible

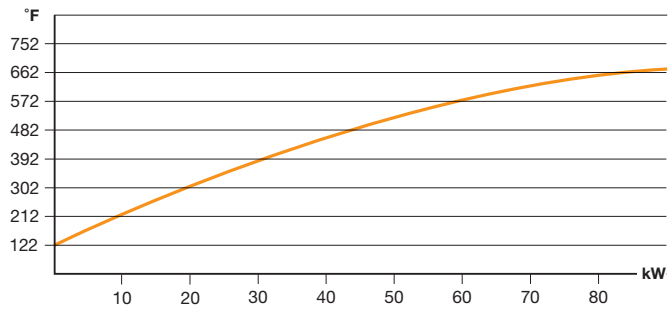
Construction

- High temperature pump with mechanical seal or magnetic coupling
- 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

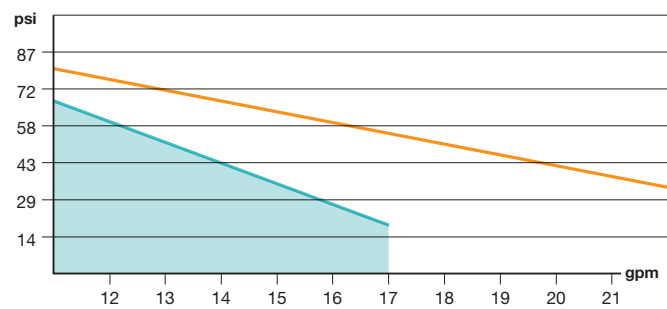
- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and 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-388 54'594 BTU/hr	TT-388 81'891 BTU/hr
Temperature range	°F	Up to 680°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	54'594 BTU/hr	81'891 BTU/hr
Switchable in stages		8/6	8/16
		Automatic switching of the required heating power	
Cooling capacity		90 kW at 680°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	
Model Z		Pump with axial face seal and triple bearing system	
Model A		Pump with seal less magnetic drive	
Temperature measurement at the mould		Yes	Yes
Leakstopper and mould drainage		Yes	Yes
Expansion tank capacity		5.5 gallons	5.5 gallons
Filling amount		3.9 gallons	5.5 gallons
Expansion volume		4.5 gallons	4.2 gallons
Connections			
Oil circuit		¾" NPT female thread	
Cooling water			
Inlet		With water filter 1" NPT female thread	
Outlet		With non-return valve 1" NPT female thread	
Dimensions (LxWxH)	inch	48.8x18.9x55.1, incl. castors	
Weight	lbs	Approx. 451 lbs empty	Approx. 473 lbs empty
Colour		Silvergrey RAL 7001	