

TT-388 48 kW

Oil temperature control unit

High temperature device for large consumers

- pump system optional with mechanical seal or magnetic coupling



Oil up to 680°F

Heating capacity **163'783 BTU/hr**

Cooling capacity **230 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
- Heating switchable in stages
- Heaters with cascade connection
- Pressure display

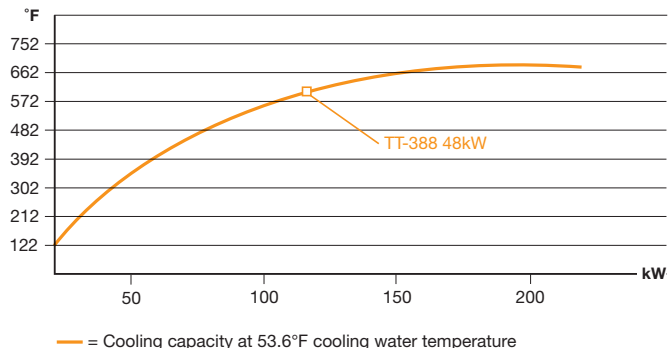
Construction

- 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

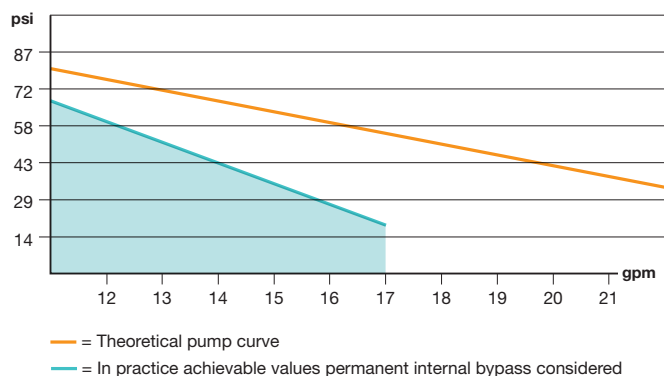
Safety features

- 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



Pump capacity



Technical data

Product attribute	Unit	TT-388 163'783 BTU/hr
Temperature range		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	163'783 BTU/hr
Switchable in stages		8/8/16/16 Automatic switching of the required heating power
Cooling capacity		230 kW at 680°F – 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		No
Leakstopper and mould drainage		No
Expansion tank capacity		12.1 gallons
Filling amount		18.4 gallons
Expansion volume		9.5 gallons
Connections		
Oil circuit		1" NPT female thread
Cooling water		
Inlet		With water filter 1" NPT female thread
Outlet		With non-return valve 1" NPT female thread
Dimensions (L×W×H)	inch	48.8×28.4×59.1 inch, incl. castors
Weight	lbs	Approx. 738 lbs empty
Colour		Silvergrey RAL 7001