

# TT-388 <sup>32 kW</sup>

## Oil temperature control unit

High temperature device for large consumers

- with external measurement
- with mould drainage
- optional pump with magnetic drive



Oil up to 680°F

Heating capacity **109'188 BTU/hr**

Cooling capacity **160 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
- Pressure display
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possible

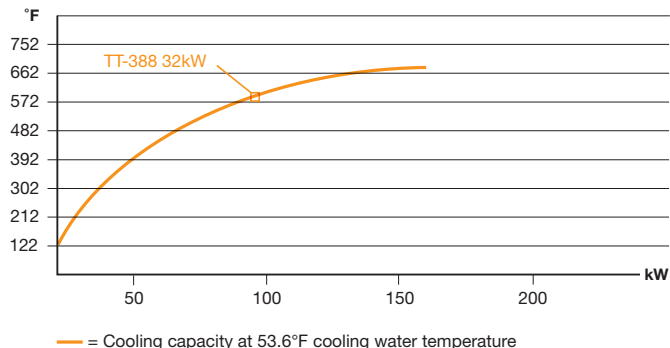
## Construction

- 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

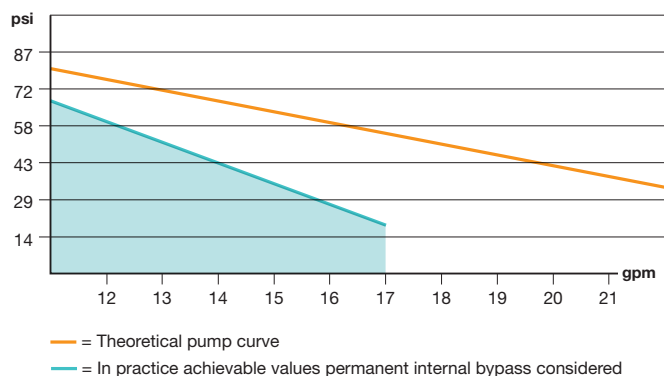
## Safety features

- 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



## Pump capacity



## Technical data

Product attribute	Unit	TT-388 109'188 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	<b>109'188 BTU/hr</b>
Switchable in stages		8/24 Automatic switching of the required heating power
Cooling capacity		<b>160 kW</b> 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		Yes
Leakstopper and mould drainage		Yes
Expansion tank capacity		12.1 gallons
Filling amount		7.1 gallons
Expansion volume		9.5 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 (L×W×H)	inch	48.8×18.9×59.1 inch, incl. castors
Weight	lbs	Approx. 518 lbs empty
Colour		Silvergrey RAL 7001