

# 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 360°C

Heating capacity **48 kW**

Cooling capacity **230 kW @ 360°C**

Cooling system indirect

Applications: moulds, rollers, plates



## Functions

- Self-optimizing temperature controller with temperature display 1/10°C – 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

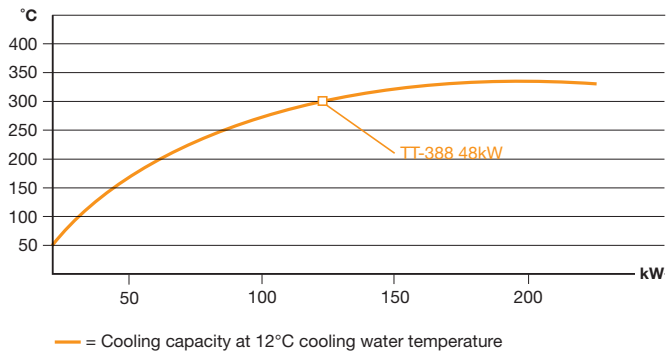
## Construction

- 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

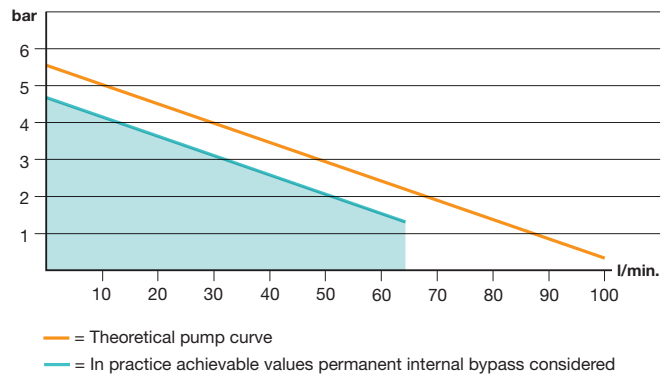
## Safety features

- 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 48 kW
Temperature range	°C	Up to 360°C 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	kW	<b>48 kW</b>
Switchable in stages		8//8/16/16 Automatic switching of the required heating power
Cooling capacity		<b>230 kW</b> at 360°C – see diagram
Pump capacity		
Motor	kW	1,8 kW
Pressure mode		Max. 5,5 bar / max. 100 l/min. – see diagram
Vacuum mode		Vacuum max. 8 mH <sub>2</sub> O
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		46 litres
Filling amount		70 litres
Expansion volume		36 litres
Connections		
Oil circuit		1" BS female thread
Cooling water		
Inlet		With water filter 1" BS female thread
Outlet		With non-return valve 1" BS female thread
Dimensions (LxWxH)	mm	1'240x720x1'500 mm, incl. castors
Weight	kg	Approx. 335 kg empty
Colour		Silvergrey RAL 7001