

# TT-OIL300

## Oil temperature control unit

Compact temperature control system with large expansion volume



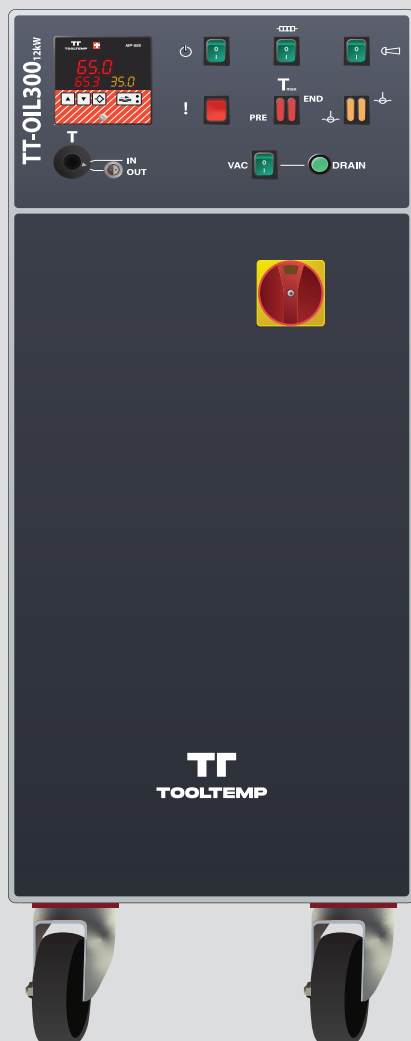
Oil up to 300°C

Heating capacity **12 kW**

Cooling capacity **60 kW @ 290°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
- Switchover for temperature control on the mould
- Pressure display
- Automatic mould drainage
- Leakstopper device – operation in pressure and vacuum mode possible

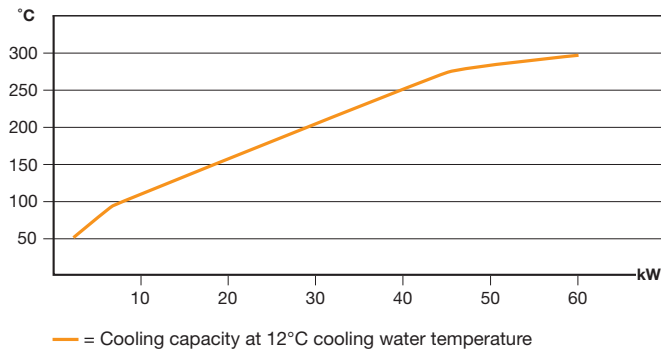
## Construction

- High temperature pump with mechanical seal 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 heatin construction
- Expansion tank with drip pan
- Unit on castors

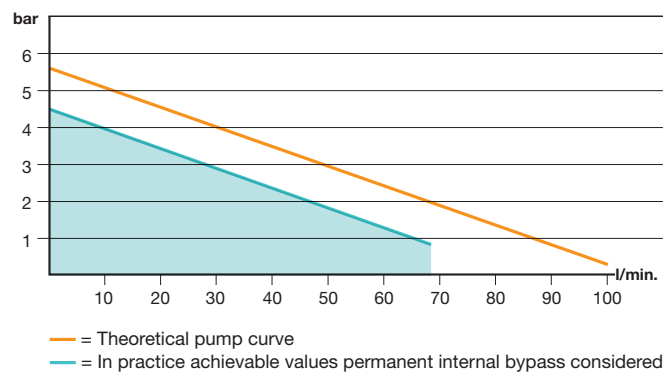
## Safety features

- 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 breaker
- Main switch, transformer and motor protection switch

## Cooling capacity



## Pump capacity



## Technical data

Product attribute	Unit	TT-OIL300
Temperature range	°C	Up to 300°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>12 kW</b>
Cooling capacity		Approx. <b>60 kW</b> at 290°C circulating temperature – 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		Yes
Leakstopper and mould drainage		Yes
Expansion tank capacity		21 litres
Filling amount		9 litres
Expansion volume		17 litres
Connections		
Oil circuit		¾" BSP female thread
Cooling Water		
Inlet		With water filter, ¾" BSP female thread
Outlet		With non-return valve, ¾" BSP female thread
Dimensions (L×W×H)	mm	1'130×390×995 mm, incl. castors
Weight	kg	Approx. 150 kg empty
Colour		Silvergrey RAL 7001, front RAL 7016