

TT-OIL300

Oil temperature control unit

Compact temperature control system with large expansion volume



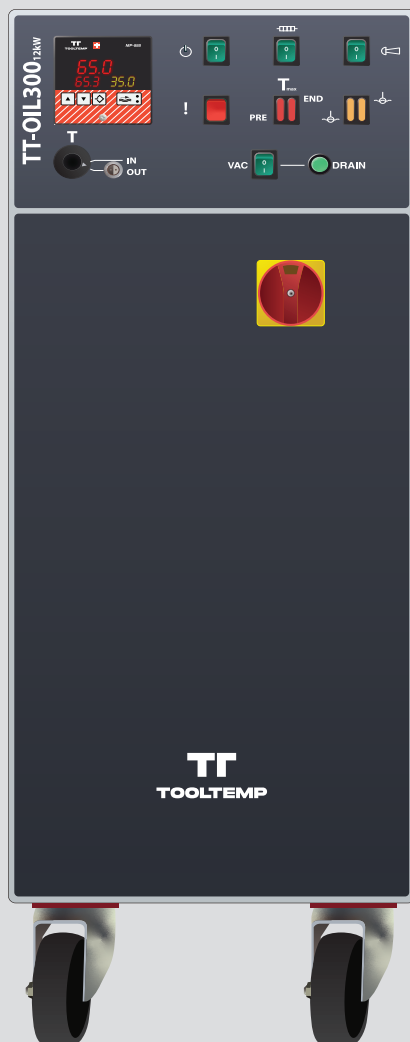
Oil up to 300°C

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

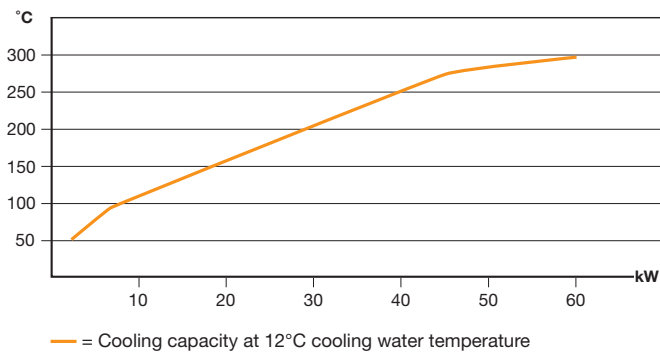
Construction

- 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

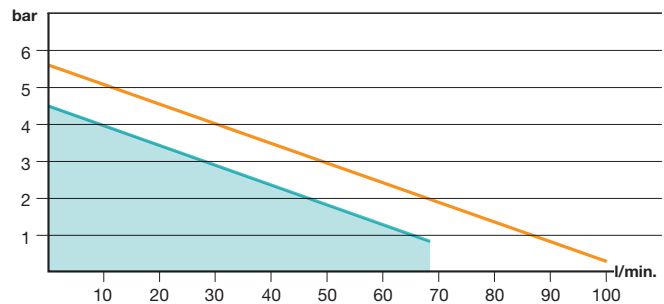
- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breaker
- Main switch, transformer and motor protection switch

Cooling capacity



— = Cooling capacity at 12°C cooling water temperature

Pump capacity



— = Theoretical pump curve

— = In practice achievable values permanent internal bypass considered

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	12 kW
Cooling capacity		Approx. 60 kW 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 ₂ 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		Silvergry RAL 7001, front RAL 7016