

TT-248

Oil temperature control unit

Powerful, small device



Oil up to 200°C

Heating capacity **8 kW**

Cooling capacity **20 kW @ 200°C**

Cooling system indirect

Application: moulds up to 600 kg



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C to 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

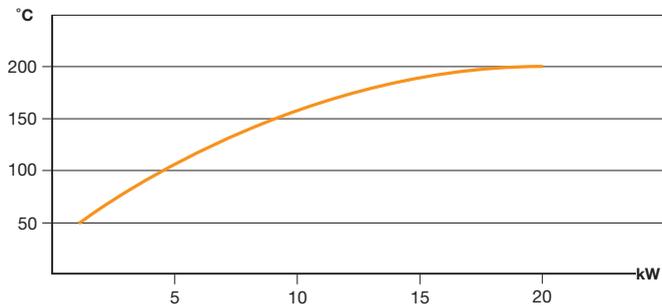
Construction

- High temperature pump with mechanical seal
- 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

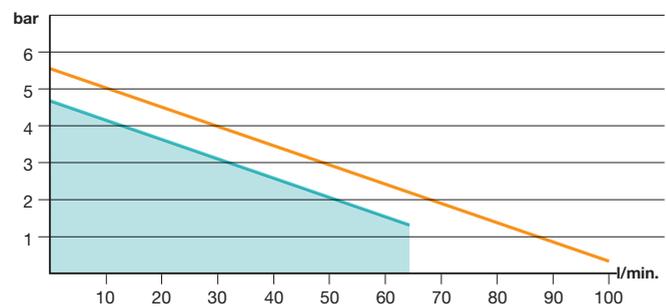
- Level control for dry run protection
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



— = 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-248
Temperature range	°C	Up to 200°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	8 kW
Cooling capacity		Approx. 20 kW at 200°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
Temperature measurement at the mould		Yes
Leakstopper and mould drainage		Yes
Expansion tank capacity		8 Litres
Filling amount		8 Litres
Expansion volume		6 Litres
Connections		
Oil circuit		¾" BSP female thread
Cooling water		
Inlet		With water filter ½" BSP female thread
Outlet		½" BSP female thread
Dimensions (LxWxH)	mm	880x360x920 mm, incl. castors
Weight	kg	Approx. 120 kg empty
Colour		Silvergrey RAL 7001