

# TT-248

## Oil temperature control unit

Powerful, small device



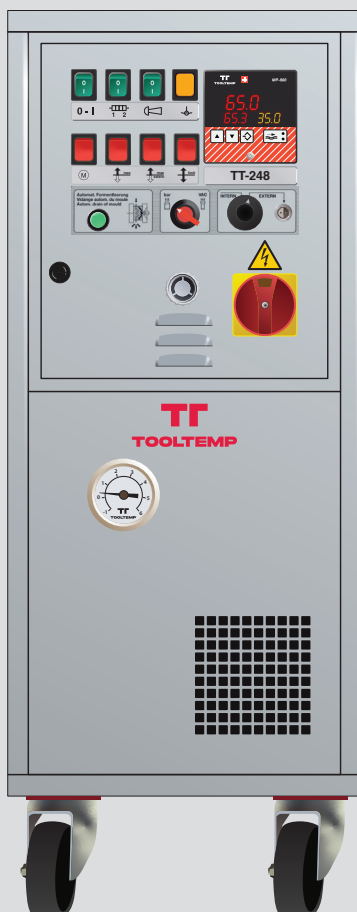
Oil up to 200°C

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

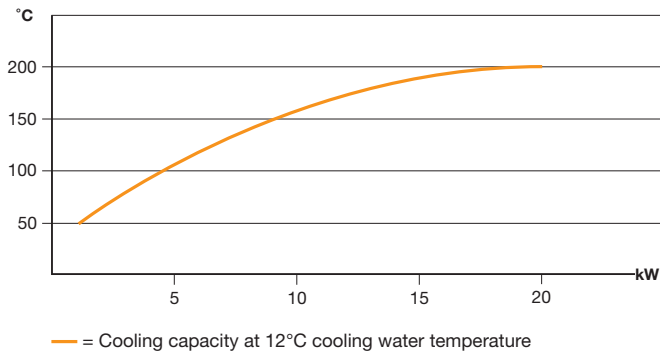
## Construction

- 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

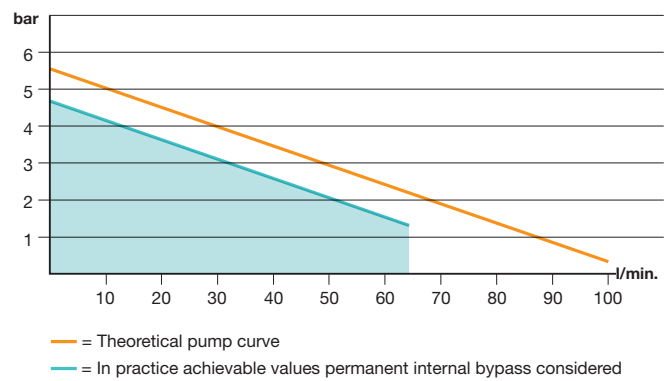
## Safety features

- 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



## Pump capacity



## 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   | <b>8 kW</b>  |
| Cooling capacity                     |      | Approx. <b>20 kW</b> 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 <sub>2</sub> 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 (L×W×H)                   | mm   | 880x360x920 mm, incl. castors  |
| Weight                               | kg   | Approx. 120 kg empty   |
| Colour                               |      | Silvergrey RAL 7001  |