

# CLASSIC Oil TT-390/2

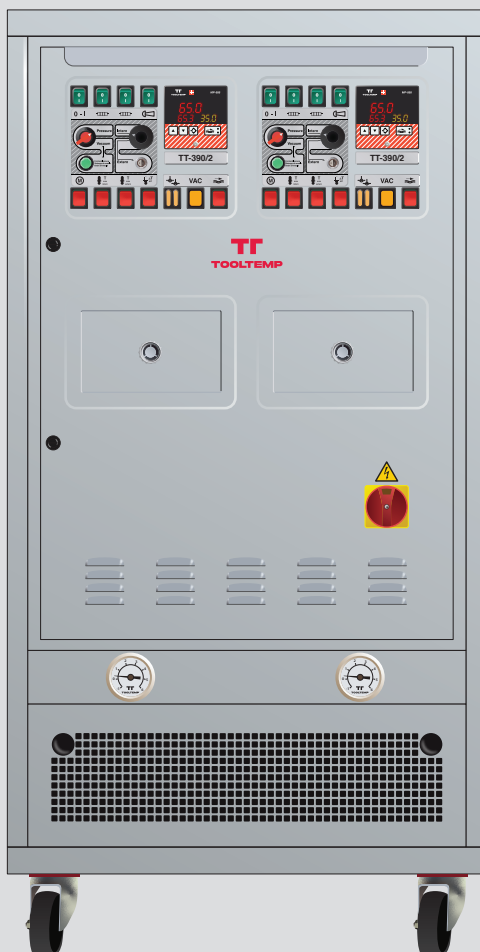


Oil up to 360°C

Heating capacity **2 x 36 kW**

Cooling capacity **2 x 110 kW @ 360°C**

Cooling system indirect (shell & tube)



## Functions

- Digital 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
- Heating switchable in stages
- Display of the feed pressure
- Automatic mould drainage
- Leakstopp mode

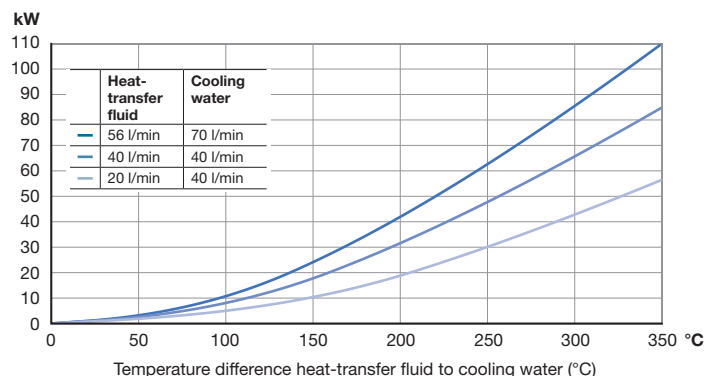
## Robust Mechanical Design

- Triple bearing high temperature pump, developed and produced by Tool-Temp
- Inverted, limescale-free spiral tube Heat exchanger
- Fully immersed heaters made of high-temperature corrosion-free Nickel alloy (Incoloy 800)
- Maintenance-free flow meter
- Stainless-steel solid piping

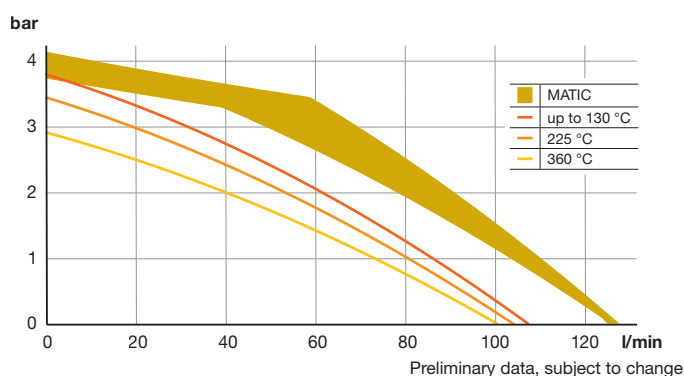
## Safety

- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Multiple redundant, mechanical temperature limiter
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

## Cooling capacity



## Pump capacity



## Technical specifications

| Oil   |  |
|---|--|
| <b>Maximum temperature</b>                  | 360 °C (with heat transfer oil TOOL-THERM SH-3)                                  |
| <b>Heating capacity</b>                     | <b>2 x 36 kW</b>   |
| Switchable in stages                        | 2 x 12/24  |
| <b>Filling volume (heat-transfer fluid)</b> | 24 litres  |
| Expansion volume                            | 41 litres  |
| <b>Pump</b>                                 |  |
| Type A                                      | Hermetically sealed magnetic coupling  |
| Type Z                                      | Gear coupling, with mechanical seal  |
| Pressure and flow rate                      | See diagram  |
| Motor rated power                           | 1.5 kW   |
| <b>Control system</b>                       | Digital temperature controller MP-888  |
| Temperature measurement                     | Thermocouple type J (Fe-CuNi) in heating register, external measurement possible |
| Flow measurement (heat-transfer fluid)      | 0-100 l/min, paddle-wheel sensor with inductive pickup                           |
| <b>Dimensions (L x W x H)</b>               | 1240 x 720 x 1400 mm, incl. castors. Provisional dates, subject to change        |
| <b>Connections</b>                          |  |
| Heat-transfer fluid (feed and return)       | ¾" BS female thread  |
| Cooling water inlet                         | 1" BS female thread, with water filter   |
| Cooling water outlet                        | 1" BS external thread  |
| <b>Empty weight</b>                         | 389 kg   |
| <b>Colour</b>                               | RAL 7035   |
| <b>Environment</b>                          |  |
| Temperature range                           | 5-40 °C  |
| Relative humidity                           | 40-80 % RH (non-condensing, no icing)  |
| <b>Continuous noise level</b>               | < 70 dB (A)  |
| <b>Power supply</b>                         | different variants covering 380-480 V (50 and 60 Hz)                             |
| <b>Marking</b>                              | CE   |