

Temperature Control Unit

TT-248

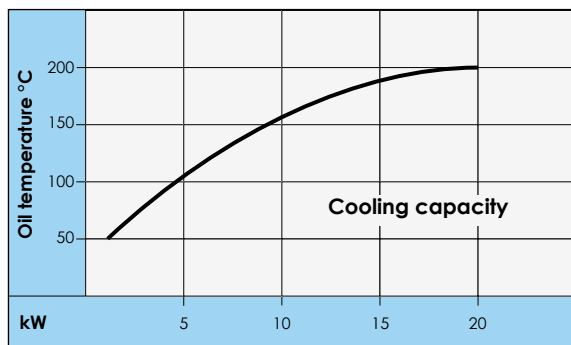
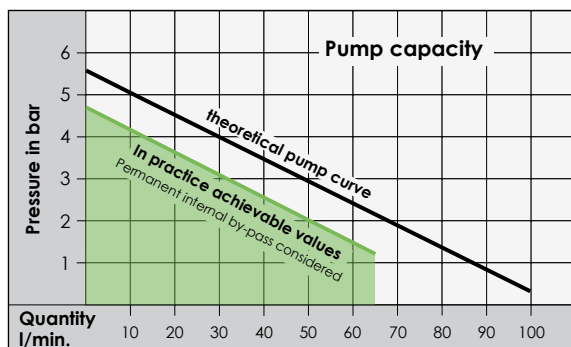
Powerful, small oil unit for temperatures up to 200°C

Operational use:
moulds up to 600 kg



Features included

- Self-optimizing temperature controller with digital display of the set and actual temperature. With high precision regulation in $1/10^\circ$ range; can be adjusted to read °C or °F.
- Automatic temperature control – difference between set and actual temperatures activates an alarm.
- Digital flow indication with control of the minimum flow.
- Indication of the pump pressure.
- Reversing switch for temperature controlling at the mould.
- Leakstopper device – unit can be used in pressure or vacuum mode. No medium is lost on leaking tools, therefore ensuring continued production.
- Automatic mould drain.
- Lime scale free heat exchanger.
- Leak free high temperature pump with axial face seal.
- Hot oil circuit with by-pass, which ensures internal circulation if valves are closed.
- Expansion tank with a drip pan.
- No oil cracking because of special construction of the heating elements.
- Safety devices:
 - Level control for dry run protection.
 - Electronic temperature limiter in the controller and separate mechanical safety thermostat.
 - Main switch, transformer and motor protection switch.
 - Horn in case of failure.
- All failures are visually indicated.
- Unit on castors.



TOOL-TEMP

HEADQUARTERS & MANUFACTURER

TOOL-TEMP AG
Industriestrasse 30

CH-8583 Sulgen
Schweiz - Suisse - Switzerland

Tel.: +41 (0)71 644 77 77
Fax: +41 (0)71 644 77 00

E-Mail: info@tool-temp.ch
Internet: www.tool-temp.ch

Technical data

Temperature range	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	8 kW
Cooling capacity	approx. 20 kW at 200°C circulating temperature
Pump capacity	motor 1,8 kW
<i>Pressure mode</i>	max. 5,5 bar / max. 100 l/min
<i>Vacuum mode</i>	vacuum max. 8 mH ₂ O
Temperature measurement at the mould	yes
Leakstopper and mould drain	yes
Expansion tank capacity	8 litres
Filling amount	8 litres
Expansion volume	6 litres
Connections	
<i>Oil circuit</i>	¾" BSP female thread
<i>Cooling water</i>	inlet water filter ½" BSP female thread outlet ½" BSP female thread
Dimensions (L×W×H)	880 × 360 × 920 mm, incl. castors
Weight	approx. 120 kg empty
Colour	silvergrey RAL 7001

All possible voltages are available from 3 x 200 V to 3 x 600 V and 50/60 Hz. The units are available conform to UL/CSA specifications. For the USA market the units are equipped with NPT-thread connections and the controller is adjusted to indicated °F.

Electronic temperature controller MP-888

The electronic controller MP-888 can be operated to read °C or °F. The analog interfaces 0-5 V, 0-10 V and 4-20 mA are standard included in the controller - **without additional costs**.

Set temperature / required temperature adjustable in 1/10° range.



The self-optimizing feature on this controller allows a very high regulating accuracy even at high temperatures and adheres to the set temperatures independently of the consumer size.

Flow control:

The indication of the flow rate is possible in litres or gallons per minute. As soon as the flow falls below a minimum, the alarm is activated.

Actual temperature / effective temperature displayed in 1/10° range.



TOOL-TEMP