

Temperature Control Unit

TT-180

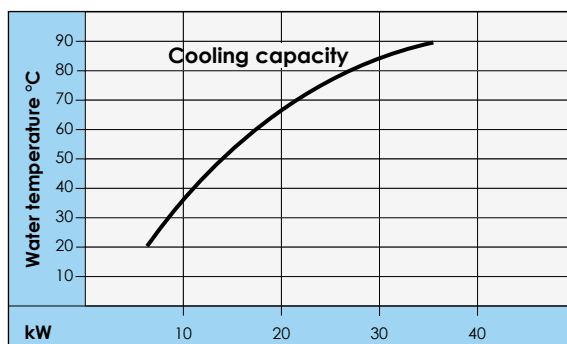
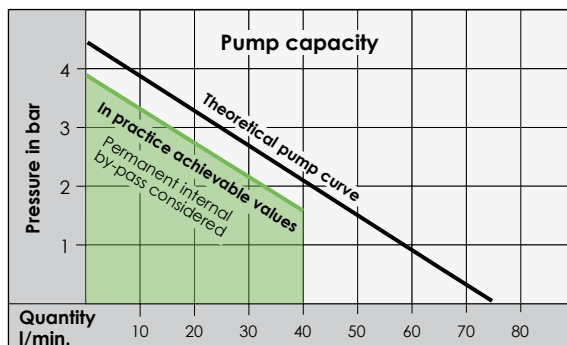
Universal small temperature control unit with remarkable cost/performance ratio

Operational use: with water up to 90°C mould weight up to 600 kg
with oil up to 150°C mould weight up to 300 kg



Features included

- Self-optimizing temperature controller with digital display of the set and actual temperature. With high precision regulation in $\frac{1}{10}^\circ$ range; can be adjusted to read °C or °F.
- Automatic temperature control - difference between set and actual temperature activates an alarm.
- Submersible seal less pump manufactured from bronze.
- Pressure is indicated by manometer.
- Automatic or manual refill.
- Lime scale free heat exchanger.
- Corrosion resistant unit (longevity).
- All components in contact with water are made of corrosion resistant stainless steel or bronze.
- Heating switchable in stages.
- 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

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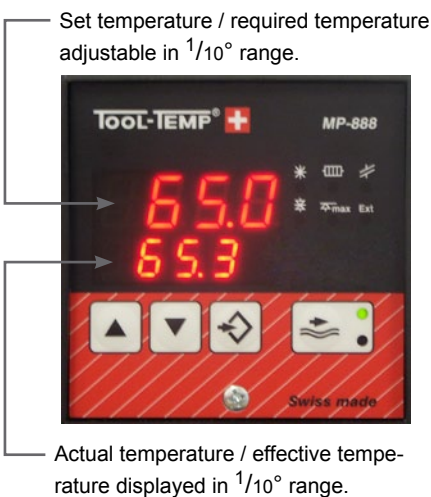
Technical Data

Temperature range	with water up to 90°C	with oil up to 150°C
Temperature control	self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.	
Heating capacity <i>Switchable in stages</i>	9 kW water operation 3 / 6	3 kW oil operation none
Cooling capacity	35 kW at 90°C - see diagram	
Pump capacity <i>Pressure mode</i>	motor 0,75 kW max. 4,5 bar / max. 75 l/min.	
Filling amount	min. 5 litres, max. 7 litres	
Connections		
<i>Medium</i>	1/2" BSP female thread	
<i>Cooling water</i>	3/8" BSP male thread, inlet with water filter 3/8" BSP female thread	
Dimensions (L×W×H)	670 × 260 × 650 mm, incl. castors	
Weight	approx. 55 kg empty	
Colour	silvergrey RAL 7001	

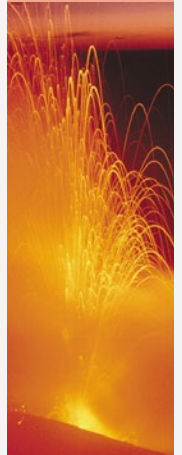
All possible voltages are available from 3 x 200 V to 3 x 600 V and 50/60 Hz. The units are available conform to UL/CSA specifications. For the USA market the units are equipped with NPT-thread connections and the controller is adjusted to indicate °F.

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**.



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.



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