

# Air-cooled Temperature Control Unit

# TT-1548 E

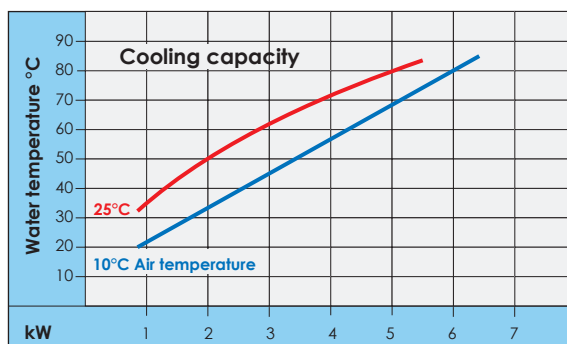
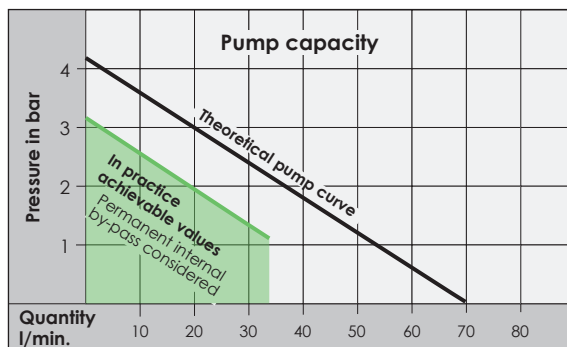
Special unit for PUR mould at roundtable application  
or for applications without cooling water

Operational use: with water from 50°C up to 90°C mould weight up to 2'000 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.
- 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.



## Particularities

- Digital flow indication with control of the minimum flow.
- Reversing switch for temperature regulation at the mould.
- Automatic mould drain.
- Leakstopper device – unit can be used in pressure or vacuum mode. No medium is lost at leaking tools, therefore ensuring continued production.

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## Technical data

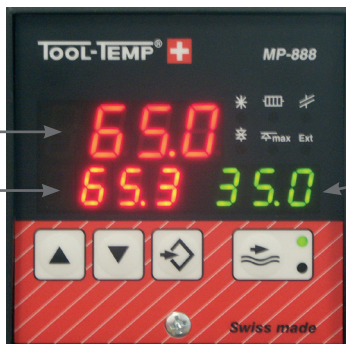
<b>Temperature range</b>	50°C up to 90°C with water
<b>Temperature control</b>	self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
<b>Flow control</b>	electronically, with digital display and automatic control of the minimum flow.
<b>Heating capacity</b> <i>Switchable in stages</i>	<b>12 kW</b> 3 / 9 / 12 kW
<b>Cooling capacity</b>	approx. 5 kW at 70°C - see diagram Air-cooled, air inlet located at the rear of the unit, blow out located at the side of the unit
<b>Pump capacity</b> <i>Pressure mode</i> <i>Vacuum mode</i>	Motor 0,75 kW max. 4,5 bar, see diagram vacuum max. 8 mH <sub>2</sub> O
<b>Filling amount</b>	min. 16 litres, max. 20 litres
<b>Connections</b> <i>Medium</i>	¾" BSP female thread
<b>Dimensions (LxWxH)</b>	870 × 360 × 915 mm, incl. castors
<b>Weight</b>	approx. 95 kg empty
<b>Colour</b>	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**.

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



Actual temperature / effective temperature displayed 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.



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