

Temperature Control Unit

TT-180

Universal small temperature control unit with remarkable price- performance conditions

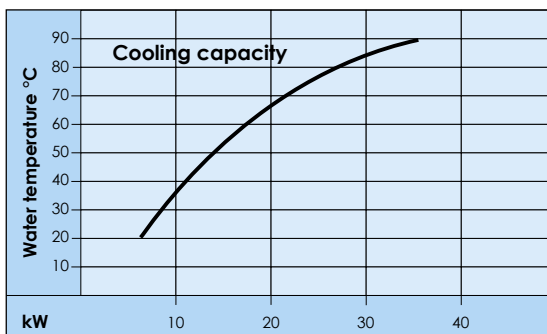
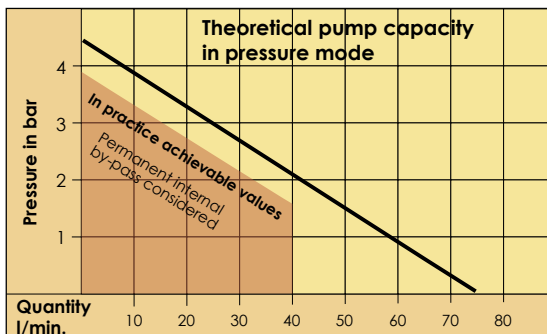
Operational use: with water up to 90°C
with oil up to 150°C

mould weight up to 600 kg
mould weight up to 300 kg



Features included

- Submersible seal less pump manufactured from bronze. Pressure is indicated by a manometer.
- 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 indicate °C or °F.
- Automatic water refill or manual oil refill.
- Lime scale free heat exchanger.
- Corrosion free unit with a long life span.
- All components in contact with water are made of stainless steel or bronze.
- Heating switchable in stages – switchable from 3 kW oil operation to 9 kW water operation.
- Safety devices:
 - The pre-warning indicates a low level. The unit continues to operate. If the level continues to drop, the unit switches off.
 - Separate mechanical safety thermostat and electronic temperature limiter installed in the controller.
 - Main switch, automatic cutout, transformer and motor protection switch.
- Horn in case of failure: The level pre-warning is indicated with a continuous sound. All other safety information is indicated by an intermittent sound.
- All failures are visually indicated.
- Castors.



This unit is very solid and built for a long life span, unproblematic operation, also at hardest operating conditions.



TOOL-TEMP[®]

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

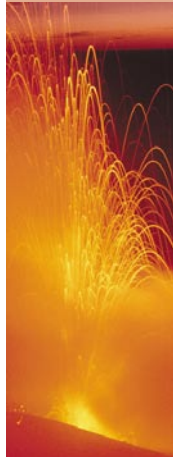
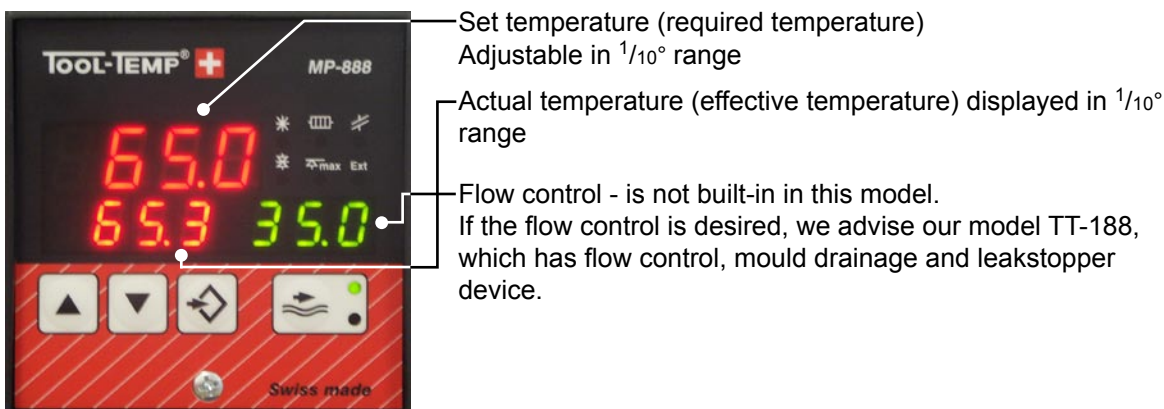
| | | |
|--------------------------------------|--|----------------------|
| Temperature range | with water up to 90°C | with oil up to 150°C |
| Temperature control | self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring. | |
| Heating capacity (switchable) | 9 kW water operation | 3 kW oil operation |
| <i>Switchable in stages</i> | 3 / 6 / 9 kW | none, 3 kW |
| Cooling capacity | 35 kW at 90°C | |
| Pump capacity | motor 0,75 kW | |
| <i>Pressure mode</i> | max. 4,5 bar / max. 75 l/min. | |
| <i>Vacuum mode</i> | vacuum max. 8 mH ₂ O | |
| Content of unit | 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 | Length: 670 mm x Width: 260 mm x Height: 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 can be adjusted to indicate °C or °F. The analogue interfaces 0 – 5 V, 0 – 10 V and 4 – 20 mA are standard included in the controller – there is **no additional price** for them.

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.



TOOL-TEMP