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*This is a product
manufactured
in Switzerland*

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Temperature control unit

TT-181

Small powerful temperature control unit

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

- 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 temperature activates an alarm.
- Submersible seal-less pump manufactured from bronze.
- Pressure is indicated by a manometer.
- Automatic or manual refill.
- Automatic mould drain.
- Leakstopper device - unit can be used in pressure or vacuum mode. No medium is lost at leaking tools, therefore ensuring continuous production.
- Lime scale free heat exchanger.
- Corrosion resistant unit (longevity).
- All components in contact with water are made of 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®

Technical data

Temperature range

up to 90°C with water
up to 150°C with oil

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 for water operation switchable in stages 3 / 6
3 kW for oil operation none

Cooling capacity

35 kW at 90°C

Pump capacity

motor 0,75 kW
Pressure mode max. 4,5 bar / max. 75 l/min.
Vacuum mode vacuum max. 8 mH₂O

Filling amount

min. 5 litres, max. 7 litres

Connections

Medium ½" BSP female thread
Cooling water outlet ¾" BSP male thread
Cooling water inlet with water filter ¾" 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 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.**

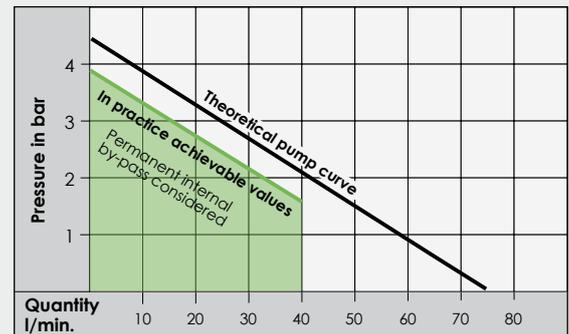
set temperature / required temperature adjustable in 1/10° range.



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.

Pump diagram



Cooling diagram

