

Mini – Temperature Control Unit

TT-170 L

Application: With water up to 90°C

mould weight from 1 - 50 kg



Range of application:

- Small injection moulding machines
- Small rollers, e.g. Ø 80 mm, length 300 mm
- Application in laboratory

Despite its size this robust built unit is constructed for permanent use under hard conditions without any problem.

Special features:

- Small and compact
Lengths: 640 mm x Width: 200 mm x
Height: 490 mm, incl. castors
- Tough construction
- Suitable for placing on a rack with 6 or 8 units

Features included

- Submersible sealless pump manufactured from bronze.
- Self-optimizing temperature control unit 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 or manual water refill
- Lime scale free heat exchanger.
- Long life expectancy due to corrosion free unit.
- All components in contact with water are made of corrosion resistant stainless steel or bronze.
- Safety devices:
 - Level control with two different levels: pre-warning with indication lamp and acoustic alarm; the unit continues to operate. If further liquid is missing, the unit stops.
 - Separate mechanical safety thermostat and electronic temperature limiter installed in the controller.
 - Main switch, automatic cutout, transformer and motor protection switch.
- All failures are visually indicated.
- Castors

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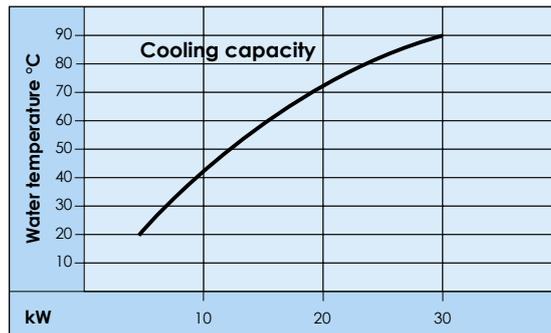
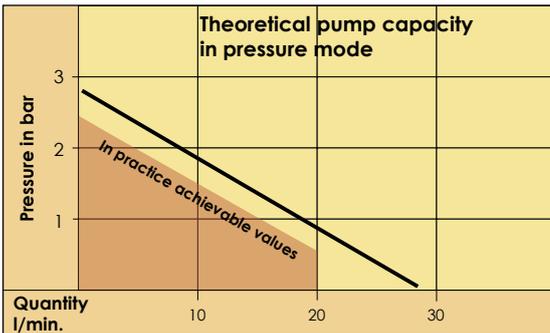
Internet: www.tool-temp.ch



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Technical Data

Temperature range	with water up to 90°C
Temperature control	self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
Heating capacity	3 kW water operation
Cooling capacity	30 kW at 90°C – see diagram
Pump capacity	motor 0,27 kW max. 2,8 bar / max. 28 l/min. – see diagram
Content of unit	min. 3,5 litres / max. 5 litres
Connections	
<i>Medium</i>	3/8" BSP female thread
<i>Cooling water</i>	3/8" BSP male thread, inlet with water filter 3/8" BSP female thread
Connections (in mm)	Length: 640 mm x Width: 200 mm x Height: 490 mm, incl. castors
Weight	ca. 36 kg empty
Colour	silvergrey RAL 7001



Set temperature / required temperature
Adjustable in 1/10° range



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

Electronic temperature controller MP-888

The electronic controller can be operated to read °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 temperature controller MP-888 belongs to the serial equipment of all TOOL-TEMP units. The self-optimizing feature on this controller allows a very high regulating accuracy even at high temperatures independently of the consumer.



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