Temperature Control Unit

TT-188

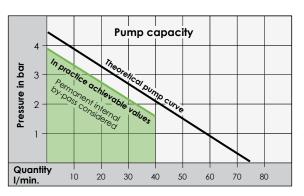
Powerful universal unit for water or oil operation with leakstopper mode

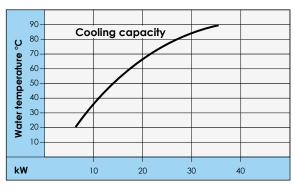
Operational use: with water up to 90°C mould weight up to 600 kg

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 ¹/₁₀° 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.

Particularities

- Digital flow indication with control of the minimum flow.
- · Automatic mould drain.
- Leakstopper device unit can be used in pressure or vacuum mode. No medium is lost on leaking tools, therefore ensuring continued production.
- Optional with digital interface controller MP-988.

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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

display of the set and actual value. Automatic temperature monitoring. Flow control electronically, with digital display and automatic control of the minimum flow. Heating capacity Switchable in stages 9 kW water operation 3 / 6 none Cooling capacity 35 kW at 90°C - see diagram Pump capacity motor 0,75 kW	Temperature range	with water up to 90°C	with oil up to 150°C	
minimum flow. Heating capacity 9 kW water operation 3 kW oil operation none Switchable in stages 3 / 6 none Cooling capacity 35 kW at 90°C - see diagram Pump capacity motor 0,75 kW	Temperature control			
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Pump capacity motor 0,75 kW			•	
	Cooling capacity	35 kW at 90°C - see diagram		
Vacuum mode vacuum max. 8 mH ₂ O	Pressure mode	max. 4,5 bar / max. 75 l/min.		
Filling amount min. 5 litres, max. 7 litres	Filling amount	min. 5 litres, max. 7 litres		
Connections Medium Cooling water 1/2" BSP female thread 3/8" BSP male thread, inlet with water filter 3/8" BSP female thread	Medium	/2 20. 10.11.00 til 000		
Dimensions (LxWxH) 670 x 260 x 650 mm, incl. castors	Dimensions (LxWxH)	670 x 260 x 650 mm, incl. castors		
Weight approx. 55 kg empty	Weight	approx. 55 kg empty		
Colour silvergrey RAL 7001	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 $^{\circ}$ F.

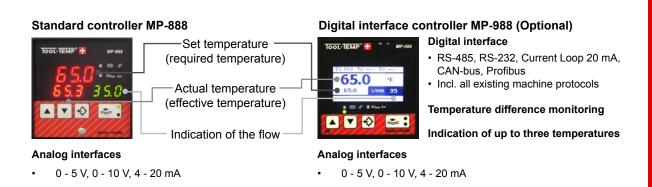
Electronic temperature controllers

The electronic controllers MP-888 and MP-988 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 controllers - **without additional costs**.

The self-optimizing feature on these controllers 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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