Temperature Control Unit

TT-137 N, B/BP

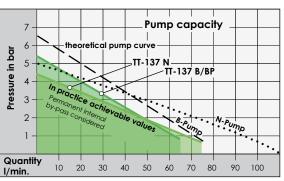
Universally pressurised water unit with high cooling capacity

Operational use:

Model N with water up to 140°C pump with axial face seal

Model B/BP with water up to 160°C pump with seal less magnetic drive



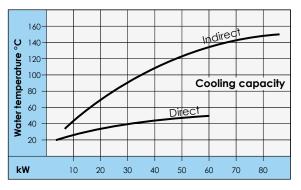


Features included

- 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.
- Indication of the pressure to the mould and of the system pressure.
- Automatic mould drain, pressure discharge, aeration and water filling.
- · Lime scale free heat exchanger.
- All components in contact with water are made of stainless steel or bronze.
- · Heating switchable in stages.
- · Safety devices:
 - Automatic 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.

Unit equipped with 2 cooling systems:

- Indirect cooling from 30°C up to 160°C
- Direct cooling up to 80°C

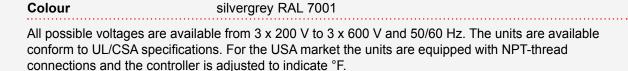


Particularities

- Digital flow indication with control of the minimum flow.
- Reversing switch for temperature regulation at the mould.
- Mould drain by compressed air ensures complete emptying of the consumer.
- 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.

HEADQUARTERS & MANUFACTURER

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870 × 360 × 915 mm, incl. castors

1/4" BSP female thread

approx. 120 kg empty

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.

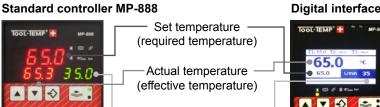
Flow control:

Compressed-air

Dimensions (L×W×H)

Weight

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.



Indication of the flow

Digital interface controller MP-988 (Optional)

Digital interface

- RS-485, RS-232, Current Loop 20 mA, CAN-bus, Profibus
- Incl. all existing machine protocols

Temperature difference monitoring

Indication of up to three temperatures

Analog interfaces

0 - 5 V, 0 - 10 V, 4 - 20 mA

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0 - 5 V, 0 - 10 V, 4 - 20 mA

SIA SUBSIDIARY

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