Temperature Control Unit

TT-137 N, B/BP

Universally pressurised water unit with high cooling capacity

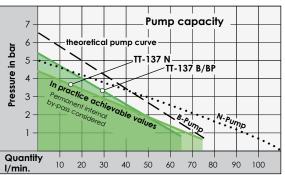
Operational use:

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

160 Indired 140 Water temperature 120 100-Cooling capacity 80 60 40 20 kW 50 70 80

Particularities

- Digital flow indication with control of the minimum flow.
- Reversing switch for temperature regulation at the
- 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.

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

3/4" BSP female thread

1/4" BSP female thread

approx. 120 kg empty

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.

870 x 360 x 915 mm, incl. castors

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:

Medium

Weight

Colour

Cooling water Compressed-air

Dimensions (LxWxH)

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.

Standard controller MP-888 Set temperature (required temperature) Actual temperature (effective temperature) Indication of the flow

Digital interface controller MP-988 (Optional)

3/8" BSP male thread, inlet with water filter 3/8" BSP female thread

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

Analog interfaces

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

TOOL-TEMP AG Industriestrasse 30

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

05/2014