

Temperature range up to 300°C with heat transfer oil TOOL-THERM SH-3

Temperature control self-optimizing, electronic microprocessor controller MP-888 with digital 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 72 kW 120 kW 144 kW

Switchable in stages 16/16/16/8/8/8 on request 32/32/32/16/16/16

Cooling capacity approx. 600 kW - see diagram cooling capacity

Pump capacity motor 7,5 kW

max. 4 bar / approx. 200 - 500 l/min - see diagram pump capacity

Expansion tank capacity 130 litres 130 litres 130 litres

Filling amount 100 litres 200 litres 200 litres

Expansion volume 100 litres 100 litres 100 litres

Frequency inverter for regulation of pressure yes yes yes

Connections  
Oil circuit

Flange connection DN 50

flange-outside Ø 165 mm, with 4 holes Ø 18 mm on a screw hole circle of 125 mm  
recommended sealing: 100 x 60 x 2 mm

Cooling water circuit 1½" BSP female thread (required water pressure 1.5 - 4 bar)

Dimensions (LxWxH) 2'150 x 1'300 x 1'950 mm

Weight (empty) approx. 1'100 kg approx. 1'270 kg approx. 1'270 kg

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 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.

Standard controller MP-888



Set temperature  
(required temperature)

Actual temperature  
(effective temperature)

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