

# Water Chiller

# TT-54'000

For water temperatures from +10°C up to +40°C,  
at ambient temperatures up to +45°C

- The solution to save on precious water
- Suitable for individual machine or multi-machine
- Suitable for high ambient and tropical installations

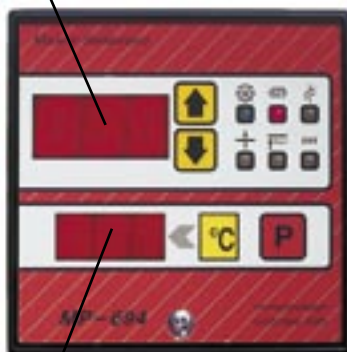


## Operational characteristics

The unit is equipped with a corrosion free water tank with a content of 250 litres. Once the water has cooled down to the required temperature, the compressor cuts out. It switches on again after the temperature has increased.

- Automatic or manual refill.
- Stainless steel pipes and tank.
- Long life expectancy due to the electronic control of operating time of the compressor.
- Automatic level control with pre-warning at low water level.
- Visible and audible level control with pre-warning.
- Castors or rubber feet.

Set temperatures



Actual temperatures

## Electronic microprocessor controller

Digital displays show set and actual temperatures. Upper and lower limit of temperature band (hysteresis) adjustable. Therefore, a longer ON/OFF period of compressor is guaranteed – the regulating accuracy of unit can be adjusted.



**TOOL-TEMP**

## TOOL-TEMP AG

Industriestrasse 30

CH-8583 Sulgen

Schweiz - Suisse - Switzerland

Tel.: +41 (0)71 644 77 77

Fax: +41 (0)71 644 77 00

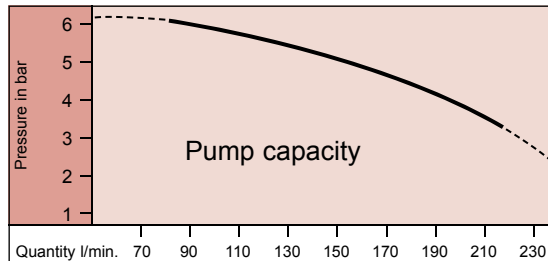
E-Mail: [info@tool-temp.ch](mailto:info@tool-temp.ch)

Internet: [www.tool-temp.ch](http://www.tool-temp.ch)

## Installation

The model TT-54'000 is designed for inside use. An increase in ambient temperature is unlikely where room height is higher than 4 m.

Quality = TOOL-TEMP



## Technical Data

There are 2 different models available:

**TT-54'000**

**Air-cooled standard unit with one-pump system**

**TT-54'000 WK**

**Water-cooled unit with one-pump system**

### Cooling capacity

*Nominal*

**54 kW**

### Temperature range

*Circulating water*

+10°C up to +40°C

*Air temperature*

+2°C up to +45°C

### Contents water tank

approx. 250 l

### Refrigerating agent

R-134a

### Temperature control

Self-optimising microprocessor controller with digital display of set and actual temperatures

### Pump capacity

at 100 l/min. 6 bar

at 200 l/min. 4 bar

### Compressor

Hermetically sealed

### Air volume

8'000 m<sup>3</sup>/h (escape at WK)

### Power consumption

**approx. 18 kW**

### Connections

*TO mould*

1 1/4" female thread

*FROM mould*

1 1/2" female thread

*Automatic water refill*

3/8" female thread

*Drain*

1" female thread

*Cooling water IN/OUT*

1" female thread (only at WK)

### Dimensions

L 1'350 x W 1'050 x H 1'950 mm

### Noise level (in 3 m distance)

65 dBA

### Weight

585 kg empty

### Colour

Silver grey RAL 7001

The model TT-54'000 WK is water cooled and need at least 1,5 bar water pressure:

with cooling tower water (approx. 30°C): approx. 65 l/min. cooling water consumption

with tap water (approx. 10 - 15°C): approx. 25 - 40 l/min. cooling water consumption

## TOOL-TEMP product range

Temperature control units from 3 kW up to 150 kW heating capacity

Water chillers from 5 kW up to 500 kW cooling capacity

Conditioning baths for polyamide parts



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