

# Water chiller

# TT-29'000 WK

For water temperatures from -25°C up to 0°C,  
with water-glycol mixture  
water cooled condensor



## Operational characteristics

Closed water-glycol circuit. The unit is equipped with a corrosion free water tank with a content of 150 litres. Once the water has cooled down to the required temperature, the compressor cuts out. It switches on again after the temperature has increased. The switch-on-point can be adjusted on the digital microprocessor controller. The circulation pump is running continuously. This unit is not suitable for water temperatures from +10°C up to +40°C.

- Automatic or manual refill
- Long life expectancy due to the electronic control of operating time of the compressor.
- All components are made of stainless steel or bronze.
- Automatic level control with pre-warning at low water level.
- Alarm in case of failure.
- Indication lamps for thermal relay of pump and compressor, low pressure, high pressure.
- Castors.

## Electronic microprocessor controller



Set temperature (required temperature)  
Adjustable in  $\frac{1}{10}^{\circ}$  range

Actual temperature (effective temperature) displayed in  $\frac{1}{10}^{\circ}$  range

Option: Indication of flow rate in different units, possible are litres per minute with  $\frac{1}{10}$  litres display. Switchable from English to American gallons. As soon as the flow falls below a minimum, the alarm is activated.

The electronic temperature controller can be adjusted to indicate °C or °F.

The TT-29'000 WK is the ideal complement to the reactor-temperature control unit TT-408. See separate brochure.

## TOOL-TEMP AG

Industriestrasse 30

CH-8583 Sulgen

Schweiz - Suisse - Switzerland

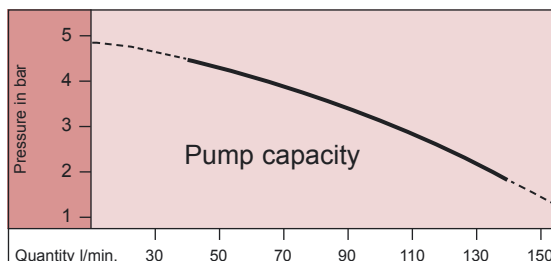
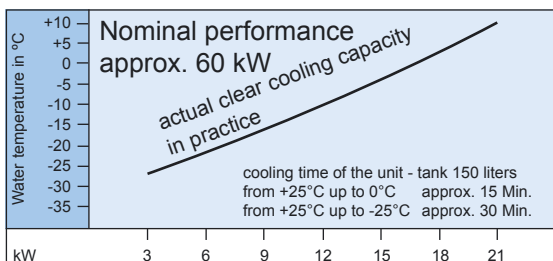
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TOOL-TEMP



## Technical data

### Cooling capacity

*Nominal*

*Actual capacity in practice*

### Temperature range

### Refrigerating agent

### Water tank capacity

### Temperature control

### Electronic flow control

### Pump capacity

### Pump motor

### Compressor

### Condensor

*needed cooling water, min. 1,5 bar*

*with cooling tower water ca. 30°C*

*with netwater approx. 10 - 15°C*

### Power consumption

### Connections

*TO/FROM mould*

*cooling water IN/OUT*

*Automatic water refill*

### Dimensions (in mm)

### Noise level (in 3 m distance)

### Weight

### Colour

### approx. 60 kW

12 kW at -10°C (see diagram)

0°C up to -25°C with water-glycol mixture

not suitable for temperatures from +10°C up to + 40°C

R-404a

approx. 150 litres

electronic temperature controller MP-888 with digital display set and actual temperatures.

option

max. 4,8 bar / max. 140 l/min. - at 100 l/min. 3,0 bar (see diagram)

1,5 kW

hermetically sealed

water cooled

approx. 60 - 100 l/min water consumption

approx. 40 - 50 l/min water consumption

approx. 15 kW

1" female thread

1" female thread

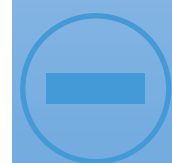
3/8" female thread

length: 1'100 x width: 790 x height: 1'660 mm, incl. castors

73 dBA

approx. 400 kg empty (filled approx. 580 kg)

silver grey RAL 7001



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