

Water chiller

TT-29'000 WK

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



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 $+10^{\circ}\text{C}$ up to $+40^{\circ}\text{C}$.

- 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 $1/10^{\circ}$ range

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

Option: Indication of flow rate in different units, possible are litres per minute with $1/10$ 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 $^{\circ}\text{C}$ or $^{\circ}\text{F}$.

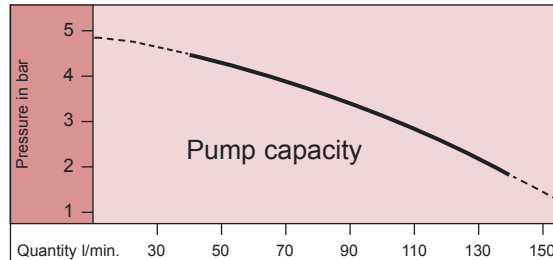
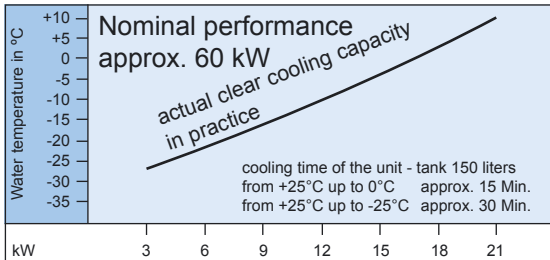
The TT-29'000 WK is the ideal complement to the reactor-temperature control unit TT-408. See separate brochure.

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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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