

WTG-QUANTOR GMBH

WTG-Quantor brands



Compact Water Chiller

CHILLY MAX



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The **Chilly MAX** unit has a compact design. It takes little space and is very easy to install and to start-up. The units are mobile on wheels. The same as the Chilly shelf-top units, the **Chilly MAX** is equipped with a with a hermetically closed motor compressor and with a complete cooling water circuit containing stainless steel water tank and centrifugal pump. Also, they contain an additional heater which is integrated inside a stainless steel water-tank.

The new generation of the **Chilly MAX** series is equipped with a micro-channel condenser which enables even more efficient heat-transfer. The ventilator is mounted on the top part of the unit, so the unit can be placed near a wall with any side facing it. The side-boards are very easy to remove, allowing easy access for maintenance.

The **Chilly MAX** is available in three sizes and capacities from 6,4 – 12,7 kW. It is the optimal solution for small to medium-size wineries, breweries, cideries, etc. that mainly wish to cool but that also need to heat their products from time to time.

APPLICATIONS

- Cooling and heating of must, wine, beer and other liquids such as cider, carbonated soft-drinks, distillates etc.
- Fermentation temperature control
- Tartaric stabilisation of wines and biological reduction of acids
- Cool storage of wine until bottling
- Maturation of young beer
- Cooling and stabilisation of distillates
- Room temperating of halls and storage rooms - only possible with additional fan coils

CHARACTERISTICS

- Hermetically closed motor compressor (Scroll)
- Cooling water circuit containing stainless steel water tank and centrifugal pump
- Integrated electric heating rod (3 kW)
- Pressure switch integrated in the cooling circuit for pump control - pump protection and energy-saving
- Integrated level-switch and integrated by-pass for the pump
- Highly efficient micro-channel condenser that ensures optimal heat-transfer
- All water parts in the unit are isolated

WATER TEMPERATURE RANGE

from -10°C to +40°C (from 14°F to 104°F)

AMBIENT TEMPERATURE RANGE

from +10°C to +42°C (from 50°F to 108°F)

SUITABLE FOR INDUSTRIES



- Stainless steel frame with painted front board
- Units are mobile on wheels
- Side boards are easy to remove, interchangeable between them
- Ventilator on the top part, air-blow direction upwards
- Refrigerant R410A
- Protection type of the chiller is IP54 minimum
- Water inlet/outlet connection: 3/4" (female)
- It is required to add Glycol (30 - 35%) to the cooling water by outlet temperatures below +7°C.

TECHNICAL DATA			Chilly MAX 50	Chilly MAX 90	Chilly MAX 110
	Cooling capacity *	kW HP	6,4 8.58	10,7 14.35	12,7 17.03
	Electrical supply		400V / 3Ph / 50Hz (other options by inquiry)		
	Max. absorbed power / Max. current consumption	kW / A	4,2 / 7,8	6,0 / 10,5	7,1 / 13,4
	Noise level **	dB (A)	73	73	73
	Tank volume	l	30	30	30
	Type of pump		Grundfos CM 3-4	Grundfos CM 3-4	Grundfos CM 3-4
	Pump flow rate	m³/h / bar	2,5 / 3,0	1,5 / 3,8	1,5 / 3,8
	Dimensions (L x W x H) Weight	mm kg	750 x 880 x 1.000 131	750 x 880 x 1.000 141	750 x 880 x 1.000 143

* Cooling capacities at an ambient temperature of +32°C (89,6°F) and a water temperature of +15°C (59°F).

** At a distance of 1 m

Specifications subject to change.