

WTG-QUANTOR GMBH

WTG-Quantor brands



Compact Water Chiller

ICECHILLY



Compact cooling unit made of stainless steel

2 Cooling circuits for increased system safety

Ice-bank at 0°C (32°F) water temperature

For low water temperature ranges down to -6°C (21,2°F)



ICECHILLY

The compact cooling unit **IceChilly**, made of stainless steel, is an ideal solution for micro-breweries, hobby brewers and smaller wineries who only need cooling for their applications.

The **IceChilly** is available in three sizes, with cooling capacities of 2,35 to 4,4 kW (3,15 to 5,90 HP). At 0°C (32°F) water temperature an ice-bank will be built around the tubes which provides an additional, stored cooling capacity. When used for flash-cooling, it boosts the capacity of the unit, giving a constant cooling temperature over a longer time period. An additional stainless steel coil for direct cooling of liquids can be integrated as an option, even afterwards.

The **IceChilly** is able to cool water down to -6 °C using glycol.

APPLICATIONS

- Passive cooling of must, wine, beer and other liquids during the fermentation process and for storage
- Cooling of must or wine for pre-clearing and crystal stabilisation
- Cooling of rooms and storage halls - with additional fan coils
- With stainless steel coil (option): direct cooling of liquids (active cooling)

CHARACTERISTICS

- Thermostatic controller
- Complete cooling water circuit containing a water tank and a submersible pump with stirrer (1,5 m³/h at 1,7 bar)
- Two cooling circuits for increased system safety
- Evaporator made of stainless steel
- All water parts in the unit are isolated
- Stainless steel housing
- Environmentally friendly refrigerant R290 (low GWP)
- Ice-bank built at 0°C water temperature
- It is required to add Glycol (30 - 35%) to the cooling water by outlet temperatures below 0°C (building of an ice-bank not possible then)

Available options / additional equipment:

- Stainless steel coil for direct product cooling can be integrated, inner tube diameter 15mm
- Overflow-prevention-kit, comprised of a solenoid valve with solenoid connection and a non-return valve. Recommended for installations where the water pipes or the tanks stand higher than the unit.

WATER TEMPERATURE RANGE

from -6°C to +30°C (from 21,2°F to 86°F)

AMBIENT TEMPERATURE RANGE

from +10°C to +32°C (from 50°F to 89,6°F)

SUITABLE FOR INDUSTRIES



IceChilly - with ice-bank



Stainless steel coil for IceChilly

		IceChilly 25	IceChilly 35	IceChilly 45	
TECHNICAL DATA	Cooling capacity at 0°C water temperature * at 15°C water temperature *	kW (HP) kW (HP)	1,62 (2,17) 2,35 (3,15)	1,85 (2,48) 3,30 (4,43)	2,30 (3,08) 4,40 (5,90)
	Electrical supply		230V / 1Ph / 50Hz		
	Nominal power input	kW	1,11	1,92	2,72
	Tank capacity	l	67	180	180
	Inlet / outlet connection		3/4" AG	3/4" AG	3/4" AG
	Weight ice-bank	kg	~ 45	~ 100	~ 100
	Dimensions (L x W x H) Weight (when empty)	mm kg	1.040 x 530 x 550 90	1.065 x 630 x 785 120	1.065 x 630 x 785 120

* Cooling capacities at an ambient temperature of +32°C (89,6°F).

Specifications subject to change.