



Compact Water Chiller

MINICHILLY



Compact cooling unit made of stainless steel

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

For low water temperature ranges down to -6°C

Environmentally friendly refrigerant R290

Stainless steel coil for direct product cooling available

MINICHILLY

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

The **MiniChilly** is available in four sizes, with cooling capacities of 0,3 to 1,7 kW. 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 **MiniChilly** is able to cool water down to -6 °C using glycol.

APPLICATIONS

- Passive cooling of fermentation and storage tanks
- Cooling of must and wine for pre-clearing and cristal stabilisation
- Cooling of rooms and storage halls - with additional fan coils
- With stainless steel coil (option): direct cooling of liquids (active cooling)

WATER TEMPERATURE RANGE

from -6 °C to +30 °C

AMBIENT TEMPERATURE RANGE

from +10 °C to +32 °C

SUITABLE FOR INDUSTRIES



CHARACTERISTICS

- Thermostatic controller (Eliwell)
- Complete cooling water circuit containing a water tank and a submersible pump with stirrer
- Evaporator made of stainless steel
- Fill level display and tank draining outside the unit
- Stainless steel housing
- Separate pump switch next to the controller
- Environmentally friendly refrigerant R290 with very low GWP
- Option: Stainless steel coil for direct product cooling can be integrated, inner tube diameter 10mm
- 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)



MiniChilly - with ice-bank



Stainless steel coil for MiniChilly



| | | MiniChilly 03 | MiniChilly 05 | MiniChilly 09 | MiniChilly 17 | |
|----------------|--|---------------|-----------------|-----------------|----------------------|-----------------|
| TECHNICAL DATA | Cooling capacity at 0°C water temperature * | kW | 0,19 | 0,39 | 0,55 | 1,00 |
| | Cooling capacity at 15°C water temperature * | kW | 0,26 | 0,60 | 0,90 | 1,65 |
| | Electrical supply | | 230V/1Ph/50Hz | ----- | 230V / 1Ph / 50/60Hz | ----- |
| | Nominal power input | kW | 0,26 | 0,28 | 0,49 | 0,79 |
| | Tank volume | l | 6,3 | 27 | 27 | 48 |
| | Inlet / outlet connection | | 3/4" AG | 3/4" AG | 3/4" AG | 3/4" AG |
| | Weight ice-bank | kg | 1,2 | 8 | 8 | 12 |
| | Dimensions (L x W x H) | mm | 420 x 310 x 340 | 640 x 380 x 520 | 640 x 380 x 520 | 750 x 420 x 600 |
| | Weight (when empty) | kg | 19 | 33 | 33 | 42 |

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

Specifications subject to change.