



Compact Water Chiller

MODUCHILLY



Compact cooling unit made of stainless steel

Modular - up to 3 cooling modules (3kW each) possible

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

For low water temperatures - from -6°C (21,2 °F)

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The compact cooling unit **ModuChilly**, made of stainless steel, is an ideal and flexible solution for small and medium-size breweries and wineries, that only need cooling for their applications. Also ideal for producers who are just starting up and who are planning to grow in the near future.

The unique feature of the **ModuChilly** is its modular concept: The unit can be optionally equipped with one, two or three cooling modules. Each module has a cooling capacity of 3 kW, so that the **ModuChilly** can cover a performance range from 3 kW to 9 kW cooling capacity. The missing modules up to full equipment can be retrofitted at any time and very easily, so that there is very great flexibility for the user even after the initial purchase.

At 0°C (32°F) water temperature an ice-bank will be built around the tubes which provides an additional, stored cooling capacity and enables a constant cooling temperature over a longer time. The **ModuChilly** is able to cool water down to -6 °C (21,2 °F) 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

CHARACTERISTICS

- Stainless steel housing
- Thermostatic controller
- Complete cooling water circuit containing an open water tank and a pump
- Quick connector for overflow-prevention-kit (option); overflow-prevention-kit comprised of a solenoid valve with connection and a non-return valve, recommended for installations where water pipes or tanks stand higher than the unit.
- Pump can be switched on / off manually; pump switch-off by pressure switch when valves are closed
- Every cooling module consists of a stainless steel evaporator, a compressor and a condenser; all water parts in the unit are isolated
- Environmentally-friendly refrigerant R290 (150g per module)
- 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).

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



		with 1 module	with 2 modules	with 3 modules	
TECHNICAL DATA	Cooling capacity at 0°C water temperature * at 15°C water temperature *	kW (HP) kW (HP)	1,7 (2,28) 3,0 (4,02)	3,4 (4,56) 6,0 (8,05)	5,1 (6,84) 9,0 (12,07)
	Electrical supply		230V/1Ph/50Hz	230V/1Ph/50Hz	400V/3Ph/50Hz
	Nominal power input	kW	1,8	2,8	3,8
	Tank capacity	l		80	
	Water connection (inlet / outlet)			3/4" AG	
	Weight ice-bank	kg	~ 25	~ 50	~ 75
	Dimensions (L x W x H) Weight (empty)	mm kg		1.020 x 580 x 720 205	

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

Specifications subject to change.