



Water Chiller

MCK



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Our water chiller **MCK** consists of a cooling unit in the upper part and a pump with a stainless steel insulated water tank in the lower section. The unit is conveniently constructed from a frame with removable side panels, allowing comfortable access to the inner components of the unit. The ventilator is assembled at the top part of the unit blowing the warm air upwards.

The cooling device itself is equipped with a high-efficiency microchannel condenser a very high-performance plate-heat-exchanger. This design allows a very compact framework and increases the performance level of the units, enabling them to fulfil the requirements of the Ecodesign Directive on energy efficiency. The newly developed flow sensor also reduces the electricity costs of your operation, as the pump is switched off when there is no cooling demand. Additionally, all MCK units are equipped with an electric heating rod.

The water chillers MCK are available in five different sizes, the range of performance is between 15,0 and 38,6 kW. Larger units with higher capacities and units with different voltages for various countries are built to order.

With this wide range, the MCK series present the ideal all-in-one-solution for medium sizes operations, which require heating as well as cooling, and for which compact build, simple installation and high quality are of value.

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 tempering of halls and storage rooms - only possible with additional fan coils

CHARACTERISTICS

- Cooling water temperature range from -10°C to +40°C (from 14°F to 104°F)
- Ambient temperature range from +10°C to +32°C (from 50°F to 89,6°F)
- Stainless steel frame with painted front board
- High-efficiency micro-channel condenser
- High-performance plate-heat-exchanger
- Integrated electric heating rod

WATER TEMPERATURE RANGE

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

AMBIENT TEMPERATURE RANGE

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

SUITABLE FOR INDUSTRIES



- Stainless steel frame with painted front board
- MCK 141 mobile on wheels (in standard); wheels for larger units possible as option
- Easy access to the inner components due to easy removable side-boards
- Ventilator on the top part, air-blow direction upwards
- Refrigerant R410A
- Protection type of the chiller is IP54 minimum
- It is required to add Glycol (30 - 35%) to the cooling water by outlet temperatures below +7°C.

		MCK 141	MCK 181	MCK 221	MCK 271	MCK 321	
TECHNICAL DATA	Cooling capacity *	kW HP	15,0 20,12	19,2 25,75	25,9 34,73	29,4 39,43	38,6 51,76
	Heating capacity	kW	4,5	4,5	4,5	4,5	4,5
	Electrical supply		380-415V / 3Ph / 50Hz (units with different voltages for various countries by inquiry)				
	Max. absorbed power Max. current consumption	kW A	9,0 15,2	10,6 19,2	12,2 22,0	13,8 24,9	18,1 30,7
	Noise level **	dB (A)	71	71	71	71	77
	Tank volume	l	120	300	300	300	300
	Type of pump		Grundfos CM 10-2				
	Dimensions (L x W x H)	mm	850 (715) 715 1.575	1.000 1.000 2.055	1.000 1.000 2.055	1.000 1.000 2.055	1.000 1.000 2.055
Weight	kg	210	310	330	340	350	

* 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 1m.. Specifications subject to change without prior notice.