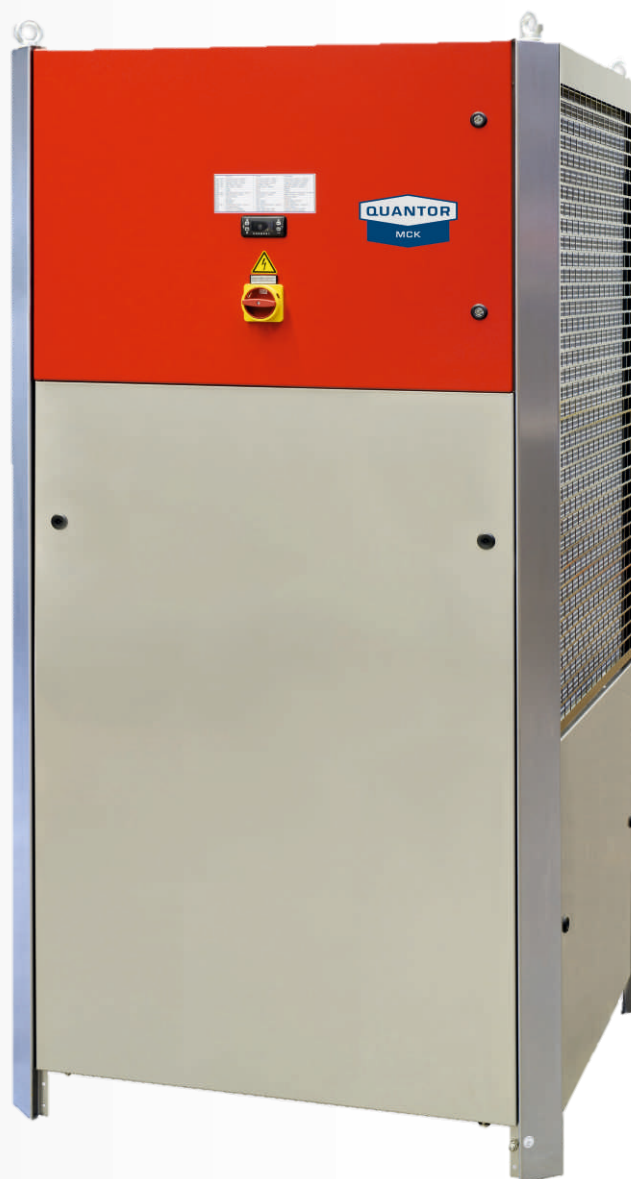




Water Chiller

MCK



MCK

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 many different sizes, the range of performance is between 6,8 and 71,3 kW. Larger units with higher capacity up to 285 kW 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

- Hermetically closed motor compressor (Scroll)
- Complete cooling water circuit with highly efficient microchannel condenser, insulated stainless steel water tank, centrifugal pump and electric heating rod
- High-performance plate-heat-exchanger
- Flow-Sensor integrated in the cooling circuit for pump control - pump protection and energy-saving
- Integrated level-switch and integrated by-pass for pump protection and tank circulation
- 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 +32°C (from 50°F to 89,6°F)

SUITABLE FOR INDUSTRIES



- Stainless steel frame with painted front board
- MCK 50 - 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 50	MCK 70	MCK 90	MCK 110	MCK 141	MCK 181	MCK 221	MCK 271	MCK 321	MCK 361	MCK 441 with 1 cooling circuit	MCK 541	MCK 641	MCK 441 with 2 cooling circuits	MCK 541	MCK 641	
TECHNICAL DATA	Cooling capacity *	kW HP	6,8 9,12	7,5 10,06	11,0 14,75	13,6 18,24	15,0 20,12	19,2 25,75	25,9 34,73	29,4 39,43	38,6 51,76	45,4 60,88	49,8 66,78	60,0 80,46	71,3 95,61	52,6 70,54	60,0 80,46	71,3 95,61	
	Heating capacity	kW	3,0	3,0	3,0	3,0	4,5	4,5	4,5	4,5	4,5	4,5	4,5	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	5,0 9,7	5,8 10,3	6,8 12,2	7,9 13,4	9,0 15,2	10,6 19,2	12,2 22,0	13,8 24,9	18,1 30,7	19,9 34,7	20,1 34,7	27,9 47,7	31,7 52,9	22,7 40,4	25,9 46,2	34,6 57,6	
	Noise level **	dB (A)	71	71	71	71	71	71	71	71	77	77	77	77	77	77	73	77	80
	Tank volume	l	120	120	120	120	120	300	300	300	300	300	300	300	300	300	400	400	400
	Type of pump		Grundfos CM 10-2																
	Dimensions (L x W x H)	mm	850 (715) x 715 x 1.575						1.000 x 1.000 x 2.055					1.180 x 1.000 x 2.055	2.220 x 1.000 x 2.055				
Weight	kg	180	180	190	190	210	310	330	340	350	370	360	750	780	800	810	810		

* 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.