



WTG-  
QUANTOR  
GMBH

# MCK

## WATER CHILLER

- HIGHLY EFFICIENT AND POWERFUL
- COOLING AND HEATING
- IN VARIOUS SIZES FROM 15.0 TO 38.6 kW



IN FLOW WITH YOUR PRODUCTION.

# MCK

## WATER CHILLER

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 highefficiency microchannel con-denser 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 temperating of halls and storage rooms - only possible with additional fan coils

### 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



### 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
- ➔ Flow-Sensor integrated in the cooling circuit for pump control - pump protection and energy-saving
- ➔ All water parts in the unit are isolated
- ➔ 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	181	221	271	321
Cooling capacity *	kW		15,0	19,2	25,9	29,4	38,6
	HP		20,12	25,75	34,73	39,43	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	kW		9,0	10,6	12,2	13,8	18,1
Max. current consumption	A		15,2	19,2	22,0	24,9	30,7
Noise level **	dB (A)		71	71	71	71	71
Tank volume	l		120	300	300	300	300
Type of pump			Grundfos CM 10-2				
Dimensions	L	mm	850 (715)	1.000	1.000	1.000	1.000
	W	mm	715	1.000	1.000	1.000	1.000
	H	mm	1.575	2.055	2.055	2.055	2.055
Weight	kg		210	310	330	340	350

\* Cooling capacities at an ambient temperature of +32°C (89,6 °F) and a watertemperature of +15°C (59 °F).

\*\* At a distance of 1m

Specifications subject to change.