



Water Re-Cooler

QUANTOR



NEW MODEL !

Perfectly adapted to wine and beer process

Reversible unit - Heat-pump

Water tank in stainless steel

Outlet temperature down to -10°C

QUANTOR - Q181R-Q452R

QUANTOR is a series of air-cooled cooling and heating units, developed specifically for the beverages industry for applications in the production of wine, beer, CSD, cider and other drinks which need to be cooled (or also heated) and require control of the temperature of the medium during the manufacture process.

This range of **QUANTOR** units is equipped with a large range of features in standard: reverse mode possible for heating (heat-pump), Low Temp Option for low water temperatures down to -10°C, frequency controlled fans, heavy-rubber anti-vibration mounts. An internal buffer tank made of stainless steel with integrated pump completes the unit's equipment. The units are designated to be placed outdoors.

The **QUANTOR** units are available in four model sizes, with cooling capacities from 18 to 45 kW.

APPLICATIONS

- Cooled fermentation of wine, beer and other beverages
- Wort cooling
- Cold maceration and tartaric stabilisation of wines
- Heating of stabilized wine or cold storage of wine before bottling
- Room temperating of halls and storage rooms - with additional fan coils

STANDARD EQUIPMENT

- Water re-cooler, air-cooled; reversible mode for heating (heat-pump)
- Integrated Hydronic module (Hydronic Basic) with stainless steel buffer tank, expansion vessel and pump
- Scroll compressors
- Integrated stainless steel plate heat exchanger
- Fan speed control
- Phase detector (3-phase control)
- Coils protection grills
- Anti-vibration mounts
- Refrigerant: R410A

WATER TEMPERATURE RANGE

Cooling mode: from -10°C to +18°C
Heating mode: from +25°C up to +50°C

AMBIENT TEMPERATURE RANGE

From -10°C to +42°C

SUITABLE FOR INDUSTRIES



AVAILABLE OPTIONS

- By-pass valve (1")
- Isolation valves for inlet / outlet (1 1/4" female)
- Remote control (2 versions - BASIC and PLUS)
- Internet module

		Q181R	Q241R	Q352R	Q452R	
TECHNICAL DATA	Cooling capacity *	kW HP	18 24,1	24 32,2	35 46,9	45 60,4
	Electrical supply		400V / 3Ph / 50Hz			
	Absorbed power / Current consumption (max.)	kW / A	5,02 / 14	6,79 / 18	10,79 / 28	16,68 / 34
	Number of compressors		1	1	2	2
	Fans		2 (axial, inverter fans)	2 (axial, inverter fans)	2 (axial, with speed control)	2 (axial, with speed control)
	Tank capacity	l	75	75	100	100
	Water inlet / outlet		1 1/4" female	1 1/4" female	1 1/4" female	1 1/4" female
	Dimensions (L x W x H)	mm	1.165x550x1.281	1.165x550x1.281	1.750x750x1.450	1.750x750x1.450
	Weight	kg	151	187	447	457

* Cooling capacities at an ambient temperature of +28°C and at a water temperature of 12/7°C.

Modifications subject to change.