

WTG-QUANTOR GMBH

WTG-Quantor brands



Water Re-Cooler

KREYO PRO



Reversible Unit - Heat-Pump

Partial Heat-Recovery (Desuperheater)

Frequency controlled fans and variable-speed-drive pump

For very low outlet and ambient temperatures



KREYO PRO

Kreyo PRO is a new series of air-cooled cooling units, developed specifically for the production of drinkable liquids. This range represent the latest technology in cooling, as it works with the new, ecologically friendly cooling gas R32 with low Global Warming Potential (GWP).

The **Kreyo PRO** units are designated to be placed outdoors for operation between very low and very high environment temperatures: from -20°C to +46°C (for partial load even up to +52°C). The water temperature range the units work with is also outstanding: cold water from -12°C to +20°C, warm water up to +55°C.

The units are equipped with a very large range of features in standard:

- Reverse mode for heating (heat-pump)
- Partial heat-recovery (desuperheater), for free production of hot water up to 70°C during cooling operation
- Low-Temp Option for low water temperatures down to -12°C
- Frequency controlled fans
- Integrated hydraulic module with a variable-speed-drive primary pump - allowing major savings on energy consumption, in particular in partial load and in periods of lower cooling or heating demand
- Electronic expansion valve for higher efficiency with partial load
- Coils protection grills
- Heavy-rubber anti-vibration mounts.

The **Kreyo PRO** range is a future-proof, sustainable all-in-one solution for wine-beer-cider producers that need to cool (or also heat) during the production process. We offer four models with a single cooling circuit (K402R - K1352R), and one model with two independent cooling circuits (K1774).

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
- Production of hot water up to +70°C for cleaning purposes or for further process applications
- Room temperating of halls and storage rooms - with additional fan coils

WATER TEMPERATURE RANGE

From -12°C to +20°C

(warm water up to +55°C in reverse mode, with partial heat recovery hot water up to 70°C)

AMBIENT TEMPERATURE RANGE

From -20°C to +46°C (up to +52°C in partial load)

SUITABLE FOR INDUSTRIES



		Kreyo PRO 402R		Kreyo PRO 542R		Kreyo PRO 1002R		Kreyo PRO 1353R		Kreyo PRO 1774R		
		400V / 3Ph / 50Hz // 460V/3Ph/60Hz										
Values at		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
TECHNICAL DATA	Cooling capacity *	kW	40,1	47,9	54	64,5	100,3	121,9	134,7	154,8	176,8	216,2
	Input power	kW	11,6	14,5	15,4	19,3	26,9	33,3	37,6	47,3	48	60,5
	Heating capacity **	kW	39,1	47,8	52,4	64,1	94,8	117,0	126,1	153,1	170,7	208,8
	Input power	kW	13,2	16,4	17,5	21,8	30,1	36,9	40,7	50,0	53,3	68,3
	EER	W / W	3,47	3,3	3,51	3,3	3,73	3,7	3,58	3,3	3,68	3,6
	SEER	W / W	4,20	4,20	4,28	4,28	4,60	4,60	4,62	4,62	4,62	4,62
	COP	W / W	2,95	2,9	3	2,9	3,15	3,2	3,1	3,1	3,2	3,1
	sCOP	W / W	137,7	135,9	142,3	139,6	143,8	142,3	150,2	150,0	149,1	130,3
	Water flow rate	l/h	6.900	8.174	9.300	11.117	17.300	21.038	23.200	26.728	30.400	37.097
	Compressors	n°	2		2		2		3		4	
	Cooling circuits	n°	1		1		1		1		2	
	Fans	n°	1		1		2		2		4	
	Sound power	dB(A)	~ 76,5		~ 76,5		~ 85,5		~ 86,6		~ 86,9	
Hydraulic connections		1 ½" G		1 ½" G		2 ½" VICT		2 ½" VICT		3" VICT		
Dimensions (L x W x H)	mm	1.125x1.320x1.820		1.125x1.320x2.075		2.250x1.320x2.075		2.250x1.740x2.075		2.250x2.650x2.075		
Weight	kg	420		460		950		1.020		1.620		

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

** Capacities at an ambient temperature of +7°C and at a water temperature of 40/45°C.

Modifications subject to change.