

3,5 - 6,5 KW

Closed-loop Waterchiller

(ATEX Group II, Cat. 2 Zone1)

The chiller is equipped with:

- Condensing Unit Bitzer, with Ex-protector motor, plate heat exchanger (evaporator)
- Circulation pump with Ex-protected Motor
- High and low pressure control
- Filter drier
- Sight glass with indicator
- Expansion valve
- Liquid gas separator
- Crankcase pressure regulator
- Capacity regulator
- Overflow valve
- Expansion pressure vessel
- automatic float airvent and a terminal box with Ex-protection
- Terminal box with Ex-protection
- Frame, cover, sheets and water tubes made of stainless steel




Technical specifications

Water chiller type	KWST-Ex 3 / 30-3 with closed loop cooling system
Cooling capacity	From 3,3 up to 6,5 KW (based on the selected type) . Evaporating temperature of 0°C and condensing temperature +35 °C
Circulation temperature adjustability	Between -5 °C and +30 °C
Suitable for ambient temperatures	From -15 °C to +40 °C
Circulation pump capacity	From 150l/h up to 350l/h at dp 3,0 Bar.
Refrigerant	R 134a
Voltage	380-420V, 3Ph, 50 Hz, also available in 60 Hz
Current	From 7,5 up to 9,4 A (based on the selected type)
Electrical Power	From 2,7 up to 4,1 KW (based on the selected type)
Connections	<ul style="list-style-type: none"> • Coolant outlet: ½ "G, external thread (you also can get: 1"G) • Coolant inlet: ½ "G, external thread (you also can get: 1"G) • Filling line: ½ "G, external thread
Dimensions	Width: 1000mm, height: 1600mm, depth 850mm
Certifications	All electrical parts are ATEX certified (mechanical parts and the chiller-unit are not ATEX-certified)