

10 - 50 KW

Closed-loop Waterchiller

(ATEX Group II, Cat. 2 Zone1)

The chiller is equipped with:

- Ex-protected, semi-hermetic compressor, with part winding-start
- Condenser 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
- Frame, cover sheets and water-tubes are made out of stainless steel




Technical specifications

Water chiller type	KWS-Ex 200 / 2000-3 with closed loop cooling system
Cooling capacity	From 10 up to 50 KW (based on the selected type). At evaporating temperature 0 °C and condensing temperature +55 °C)
Circulation temperature adjustability	Between -5 °C and +25 °C
Suitable for ambient temperatures	From -10 °C to +50 °C
Circulation pump capacity	2000l/h at dp 3,0 Bar (other flowrates and pressures available)
Refrigerant	R 134a
Voltage	400V-415V, 50 Hz
Current	From 11,0 up to 40 A (based on the selected type)
Electrical Power	From 5,0 up to 20,0 KW (based on the selected type)
Connections	<ul style="list-style-type: none"> • Water-outlet: 1 1/4" external thread • Water-inlet: 1 1/4" external thread • Filling line 3/4 " external thread
Electrical connections power supply	Line up terminal 6 mm ²
Dimensions	Width: 1530 / 1850 mm, height: 1400mm, depth 1300/1480mm
Certifications	All electrical parts are ATEX certified (mechanical parts and the chiller-unit are not ATEX-certified)