

Produkt Range



SVK - Water chiller with a cooling capacity of 15 to 130 kW, with tank and pump. Compact design with high temperature accuracy.



VWK/1 - Water chiller with a cooling capacity of 2 to 70 kW, with tank and pump. Compact design with high temperature accuracy.



CHILLY - cooling-water chiller with a cooling capacity of 0.8 to 4.5 kW, with tank and pump. Space-saving and reliable.



TRK - Immersion chiller for cooling lubricants with a cooling capacity of 2 to 120 kW. Service-friendly in maintenance and cleaning.

In addition to our standard product range, we offer you solutions for liquid cooling in all industrial applications.

Our systems are available in compact or split design, air or water cooled.

Continuous-flow coolers and expansions with cleanable plate-type heat exchangers are just as available as versions with special voltages.

Our sales team of engineers and technicians is always available to you for comprehensive consultation. Do not hesitate, we are awaiting your enquiry!

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VWK

VWK
Shell & Tubes

SVK

TRK

CHILLY

VWK
Desk Unit

LWK

CWK

CWK
Emulsion/Oil

Special



CWK-D

Industrial Compact Emulsion/Oil Cooler

Cooling capacity from 4 to 25 kW

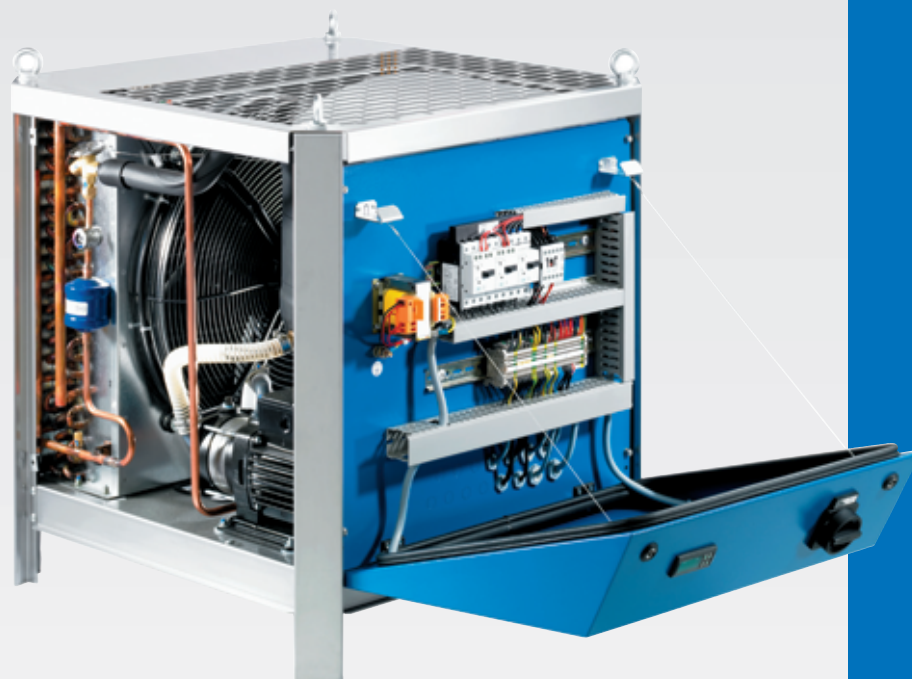


YOUR PARTNER IN PROCESS COOLING

CWK Industrial Compact Emulsion/Oil Cooler

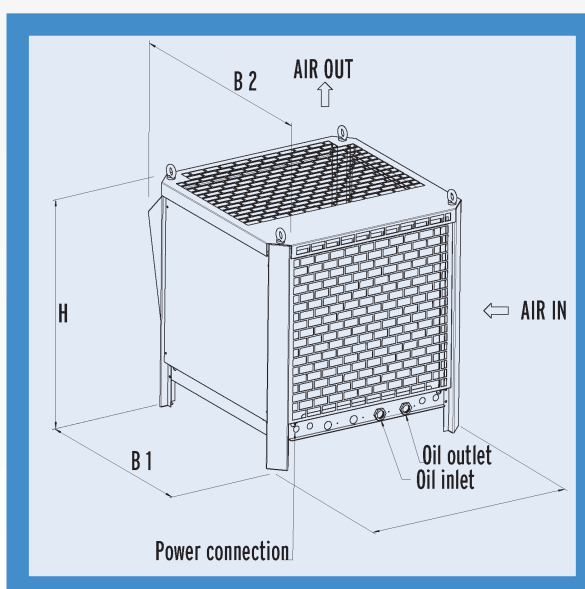
Standard equipment:

- Stainless steel frame
- Panels in RAL paint upon request
- CE standard / DIN ISO 9001-200
- Selectable position of E-Box at 3 sides
- Temperature control through digital thermostat
- Common alarm potential free
- 400V / 3Ph / 50Hz
- 24V AC - control circuit
- Chiller build for IP54
- Low noise scroll compressor
- High pressure switch (TÜV approved) and low pressure switch
- Environment friendly refrigeration R407C
- Operation temperature max. 42°C
- Temperature tolerance:
+/- 1,0K (CWK 30 - 50)
+/- 1,5K (CWK 70 - 220)
- Air filter
- Emulsion closed cooling circuit 10 - 20°C
- Oil closed cooling circuit 15 - 25°C
- CH-pump with carbide / carbide shaft seal for emulsion
- CR-pump with carbide / carbide shaft seal for oil
- Flow switch and antifreeze thermostat



Options:

- 24V DC - control circuit
- Special voltage incl. 60Hz
- Stop process through temperature alarm
- Differential temperature control depending on ambient temperature
- Harting connectors
- Remote control
- Wire end labeling
- Winter start up regulation
- Weather proofed cabinet
- Condenser water cooled or external
- Refrigeration R134a / 404A
- Tight temperature control with hot-gas-bypass
- Operating temperature > 42°C ambient
- Fluid set point max. + 40°C
- Fluid outlet manometer
- Ball valve for drainage
- Ball valves for fluid inlet and outlet
- Stainless steel tank (open)
- Wheels
- Low noise version
- Level switch for pump protection with stainless steel tank open
- Gear pump



Technical data

Cooling capacities

Temperature			CWK 30-D	CWK 50-D	CWK 70-D	CWK 90-D	CWK 110-D	CWK 140-D	CWK 180-D	CWK 220-D
Ambient air	Emulsion	Oil	Cooling capacities in kW							
32°C	10°C	15°C	3,2	5,2	6,6	9,7	11,8	14,1	17,6	22,1
	15°C	20°C	4,0	6,2	7,8	11,5	13,9	16,6	20,0	25,3
	20°C	25°C	4,5	6,9	8,7	12,6	15,4	18,3	21,7	28,0
37°C	10°C	15°C	2,8	5,1	6,0	9,1	10,9	13,1	16,7	20,2
	15°C	20°C	3,6	6,1	7,2	10,7	13,0	15,7	20,0	23,9
	20°C	25°C	4,1	6,7	7,9	11,8	14,4	17,2	21,7	25,6
42°C	10°C	15°C	3,2	4,7	5,9	8,7	9,1	12,9	15,6	19,6
	15°C	20°C	3,4	5,7	7,1	10,2	11,4	15,4	18,5	23,5
	20°C	25°C	3,9	6,4	7,9	11,2	13,0	17,0	20,4	25,6

Specification for emulsion / oil

		CWK 30-DE / DÖ	CWK 50-DE / DÖ	CWK 70-DE / DÖ	CWK 90-DE / DÖ	CWK 110-DE / DÖ	CWK 140-DE / DÖ	CWK 180-DE / DÖ	CWK 220-DE / DÖ
Number of Scroll-compressors		1	1	1	1	1	1	1	1
Air flow rate max.	m ³ /h	2900	2900	4100	4100	4100	5500	5500	6700
Pump inlet pressure	bar	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05
Sound pressure (1)	dB (A)	70	70	76	76	76	71	71	76
Length (L)	mm	715	715	715	715	715	1000	1000	1000
Width (B1 / B2)	mm	720/835	720/835	720/835	720/835	720/835	1000	1000	1000
Height (H)	mm	755	755	755	755	755	1060	1060	1060
Weight (ca.)	kg	124	127	129	132	140	224	225	285

(1) Free field measurement at 1.0 m distance

Specification for emulsion

		CWK 30-DE	CWK 50-DE	CWK 70-DE	CWK 90-DE	CWK 110-DE	CWK 140-DE	CWK 180-DE	CWK 220-DE
Power consumption compressor max.	kW	2,0	2,6	3,1	4,3	5,9	6,2	7,8	9,7
Power consumption max.	kW	3,2	3,8	4,3	5,8	7,4	7,9	9,5	11,5
Current max.	A	5,6	6,5	7,4	10,1	12,9	13,9	17,1	19,9
Fluid pressure	bar	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0
Nominal fluid flow	m ³ /h	3,5	3,5	3,5	3,5	3,5	6,5	6,5	6,5
Pump type	Grundfos	CH 4-20	CH 4-20	CH 4-20	CH 4-20	CH 4-20	CH 8-20	CH 8-20	CH 8-20
Fluid connections inlet / outlet	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2

Specification for oil

		CWK 30-DÖ	CWK 50-DÖ	CWK 70-DÖ	CWK 90-DÖ	CWK 110-DÖ	CWK 140-DÖ	CWK 180-DÖ	CWK 220-DÖ
Power consumption compressor max.	kW	2,0	2,6	3,1	4,3	5,9	6,2	7,8	9,7
Power consumption max.	kW	3,2	3,8	4,3	5,8	7,4	8,6	10,2	12,3
Current max.	A	6,0	6,9	7,8	10,5	13,3	15,6	18,8	21,6
Fluid pressure	bar	1,5	1,5	1,5	1,5	1,5	1,0	1,0	1,0
Nominal fluid flow	m ³ /h	5,0	5,0	5,0	5,0	5,0	10,0	10,0	10,0
Pump type	Grundfos	CR 5-4	CR 5-4	CR 5-4	CR 5-4	CR 5-4	CR 10-4	CR 10-4	CR 10-4
Fluid connections inlet / outlet	inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2

Viscosity: max 50 mm²/s (25°C)/Clean oil
Specification subject to change

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