

## 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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# CWK

*Industrial Compact Water Chiller*

Cooling capacity 4 bis 25 kW

VWK

VWK  
Shell & Tubes

SVK

TRK

CHILLY

VWK  
Desk Unit

LWK

**CWK**

CWK  
Emulsion/Oil

Special



YOUR PARTNER IN PROCESS COOLING

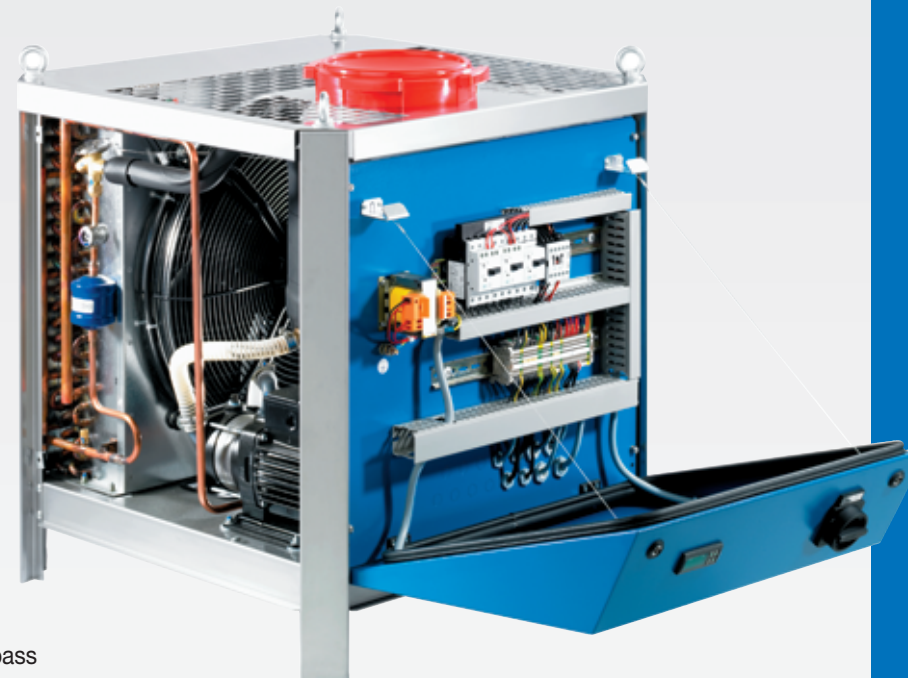
# CWK water chiller

## 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)
- Cu coil evaporator
- Water temperature 10 - 25°C

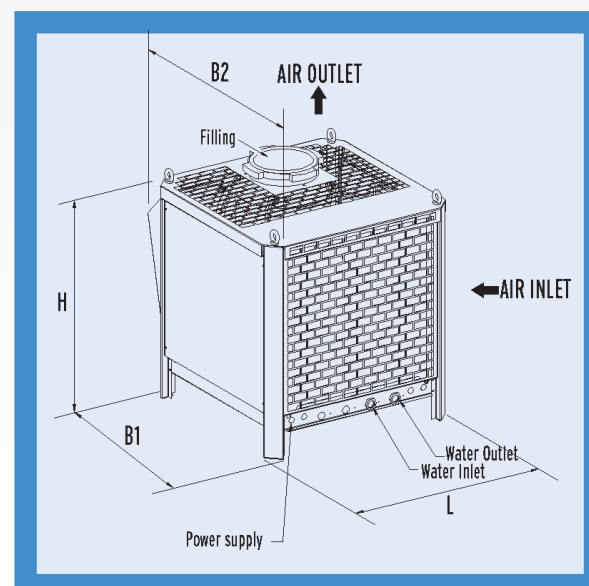


Copper coil evaporator inside the tank



## 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
- Service alarm for water level too low
- Water level sight glass
- Flow switch
- Permanent- or bypass valve
- Non return valve and solenoid valve
- 2 x water inlet/outlet
- Automatic fresh water supply
- Hand shut off valve between tank/pump
- Stainless steel tank in combination with 3 kW electric heater
- CHV-Grundfos pumps for higher pressure
- Air filter



# Technical data

## Cooling capacities

Temperature		CWK 30	CWK 50	CWK 70	CWK 90	CWK 110	CWK 140	CWK 180	CWK 220
Ambient air	Water	Cooling capacities in kW							
32°C	10	3,33	4,67	6,00	8,67	10,67	14,10	16,90	21,40
	15	4,40	6,40	7,40	10,70	12,70	16,60	20,00	25,30
	20	5,33	7,33	8,67	12,67	14,67	18,30	21,70	28,00
37°C	10	2,67	4,00	4,67	7,33	8,67	13,10	16,40	20,20
	15	3,70	5,40	6,40	9,10	11,10	15,70	19,20	23,90
	20	4,70	6,67	8,00	10,67	13,33	17,20	20,50	26,20
42°C	10	2,00	3,33	4,00	6,00	8,00	12,90	15,60	19,60
	15	3,10	4,70	5,80	7,70	10,40	15,40	18,50	22,90
	20	4,00	6,00	7,50	9,33	12,67	17,00	20,10	25,60

## Specification

		CWK 30	CWK 50	CWK 70	CWK 90	CWK 110	CWK 140	CWK 180	CWK 220
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	3,1	3,7	4,8	5,9	7,5	8,6	10,2	12,4
Current max.	A	5,7	6,6	8,3	10,5	13,3	15,0	18,2	21,1
Power supply	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
Air flow rate max.	m³/h	2900	2900	4100	4100	4100	5500	5500	6700
Water tank volume	ltr.	26	26	26	26	26	68	68	68
Nominal fluid flow	m³/h	1,5	1,5	2,0	2,0	2,0	2,9	3,5	4,3
Water pressure	bar	2,2	2,2	3,4	3,4	3,4	3,8	3,6	3,2
Water connection inlet / outlet	inch	3/4	3/4	3/4	3/4	3/4	1 1/4	1 1/4	1 1/4
Sound pressure (1)	dB (A)	70	70	76	76	76	71	71	76
Length (L)	mm	720	720	720	720	720	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 (approx.) without water	kg	124	127	129	132	140	224	225	285

(1) Freefield measurement at 1.0 m distance  
Specifications subject to change