

Product range



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



TRK - Immersion chiller for cooling lubricants with a cooling capacity of 2 to 75 kW. Service-friendly in maintenance and cleaning



LWK - Air-type water recoler without refrigeration system with a cooling capacity of 2 to 2.5 kW, with tank and pump. The low-cost alternative for applications with higher water operating temperatures.



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

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 in contacting us.

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VWK

VWK
Shell & Tubes

SVK

TRK

CHILLY

VWK
Desk unit

LWK

Special



SVK

Water Chiller

Plug-in water chillers.
Cooling capacity from 15 to 130 kW.



Competence and experience in industrial cooling systems

SVK water chiller

Standard equipment:

- Stainless steel frame
- Coaxial evaporator
- High tech scroll compressor / low noise
- High efficiency air cooled condenser
- Digital thermostat hysteresis +/- 1 K
- Refrigerant circuit with TÜV approved low and high pressure switch
- Chiller IP 54
- Operating temp. 42° C max. ambient
- Default light - control circuit
- Common alarm (potential free)
- Drain valve for tank
- Anti frost thermostat
- Water manometer
- By-Pass valve
- Water level switch
- External pump's start-up on main-switch
- Low noise level (star-delta)
- CH-pump with carbide / carbide shaft seal



Coaxial evaporator inside the tank

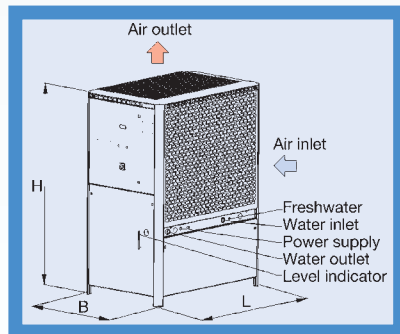


Easy access to the tank and evaporator manual fill in and cleaning



Options:

- DC voltage - control circuit
- Winter start up regulation (0-50-100%)
- Water set point 40° C max.
- Hand shut off valve between tank and pump
- Wire labelling
- Harting connectors / plugs
- Refrigerant R 134 A
- Non return valve + magnetic valve (outside)
- Hysteresis +/- 0,3 K
- Air filter
- Stop process with low/high temperature alarm
- CR-pump for pressure above 3 bar with carbide / carbide shaft seal
- Stainless steel piping



Technical data

Cooling capacities

Temperatures		SVK 140/1	SVK 180/1	SVK 220/1	SVK 270/1	SVK 320/1	SVK 360/1	SVK 540/1	SVK 440/1/2	SVK 540/1/2	SVK 640/1/2	SVK 720/1/2	SVK 1080/1/2	SVK 1250/1/2
Ambient air	Water	Cooling capacities in kW												
	10° C	14,1	16,9	21,4	25,7	31,4	38,9	51,4	42,9	51,4	62,9	78,6	101,6	123,6
32° C	15° C	16,6	20,0	25,3	29,9	37,0	45,5	59,9	50,7	59,9	74,1	92,7	119,7	144,6
	20° C	18,3	21,7	28,0	33,5	41,5	51,8	67,1	56,0	67,1	83,1	100,4	129,5	156,5
	10° C	13,1	16,4	20,2	23,9	29,6	35,2	47,9	40,5	47,9	59,2	73,8	94,5	113,6
37° C	15° C	15,7	19,2	23,9	28,2	34,9	42,1	56,5	47,8	56,5	69,8	86,6	110,8	134,6
	20° C	17,2	20,5	26,2	31,1	37,9	49,0	62,4	52,4	62,4	75,9	94,7	120,3	145,6
	10° C	12,9	15,6	19,6	22,9	25	33,3	45,8	39,3	45,8	50,0	66,1	90,0	100,5
42° C	15° C	15,4	18,5	22,9	27,4	30,9	40,2	54,9	45,8	54,9	61,9	79,9	108,0	118,5
	20° C	17,0	20,1	25,6	30,2	35,0	47,3	60,6	51,3	60,6	70,0	87,6	119,5	128,5

Specifications

		SVK 140/1	SVK 180/1	SVK 220/1	SVK 270/1	SVK 320/1	SVK 360/1	SVK 540/1	SVK 440/1/2	SVK 540/1/2	SVK 640/1/2	SVK 720/1/2	SVK 1080/1/2	SVK 1250/1/2
Compressor type (number)		ZR 72 1	ZR 90 1	ZR 11 1	ZR 12 1	ZR 16 1	ZR 19 1	ZR 250 1	ZR 11 2	ZR 12 2	ZR 16 2	ZR 19 2	ZR 250 2	ZR 310 2
Power consumption compressor	kW	6,2	7,9	9,7	11,1	14,6	16,8	24,6	19,4	22,2	29,2	33,6	49,2	60,0
Power consumption max.	kW	9,0	10,7	12,5	14,6	18,4	21,2	31,4	24,8	29,1	36,1	42,4	62,8	71,6
Current max.	A	15,6	18,9	21,5	25,3	31,1	34,8	52,1	42,9	50,9	63,3	69,6	104,2	119,5
Air flow rate max.	m³/h	9,300	9,300	9,300	9,200	9,200	14,400	17,000	18,600	18,400	18,400	28,800	34,000	36,800
Water tank volume	l	330	330	330	330	330	390	390	660	660	660	720	720	720
Water pressure	bar	3,8	3,6	3,2	3,0	3,2	3,0	3,6	4,0	3,6	3,0	3,2	3,0	2,8
Nominal water flow*	m³/h	2,9	3,5	4,3	5,1	6,5	7,0	10,3	8,0	10,3	12,7	14,0	20,6	25,0
Water connections inlet/outlet	Grundfos inch	CH4-60 1 1/4	CH4-60 1 1/4	CH4-60 1 1/4	CH4-60 1 1/4	CH8-50 1 1/4	CH8-50 1 1/2	CH12-50 1 1/2	CH12-50 2	CH12-50 2	CH12-50 2	CR 32-2 2 1/2	CR 32-2 2 1/2	CR 32-2 2 1/2
Water connections feed	inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Length (L)	mm	1000	1000	1000	1000	1000	1500	1500	2000	2000	2000	1500	1500	2000
Width (B)	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	2000	2000	2000
Height (H)	mm	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Weight (approx.)	kg	320	370	400	400	410	485	520	795	800	810	870	940	1400

Power supply 3/PE/400 V/50 Hz. Control voltage 24 V AC. All technical data is valid for machines with a maximum ambient temperature of + 42° C. ★ Nominal flow at: 32° C ambient temp. / 15° C water temp. / 5 K diff. temp. between water in-outlet. Specifications subject to change.