

# 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

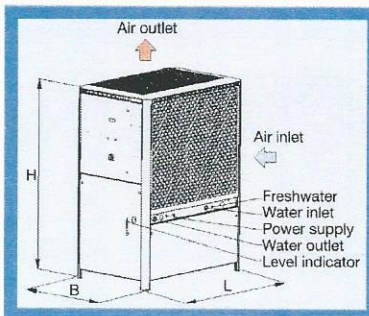


Easy access to the tank and evaporator manual fill in and cleaning



## 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 160/1	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 1050/1/2	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	123,8
32° C	10° C	18,6	20,9	25,4	29,9	37,0	45,5	58,9	50,7	59,5	74,1	92,7	119,7	144,6
	15° C	18,3	21,7	28,0	33,8	41,5	51,8	67,1	56,0	67,1	83,1	100,4	129,5	158,5
	20° C	15,1	16,4	20,0	23,9	29,6	35,0	47,0	40,5	47,3	59,2	73,8	94,5	119,6
37° C	10° 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
	15° C	12,2	20,5	26,0	31,1	37,8	43,0	62,4	52,4	62,4	75,2	94,7	120,3	145,0
	20° 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	10° C	15,4	18,8	23,8	27,4	33,9	40,4	54,9	49,3	54,9	61,9	79,9	106,6	138,5
	15° C	17,0	20,1	25,8	30,2	35,0	47,3	60,6	51,3	60,6	70,0	87,6	119,5	138,5
	20° C													

## Specifications

		SVK 140/1	SVK 160/1	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 1050/1/2	SVK 1250/1/2
Compressor type (number)		2R72 1	2R90 1	2R11 1	2R12 1	2R16 1	2R19 1	2R250 1	2R11 2	2R12 2	2R16 2	2R19 2	2R250 2	2R310 2
Power consumption compressor	kW	6,2	7,8	9,7	11,1	14,6	16,3	24,8	19,4	22,2	29,2	33,6	49,2	60,0
Power consumption max.	kW	9,0	10,7	12,8	14,6	18,4	21,2	31,4	24,8	29,1	36,1	42,4	62,8	71,6
Current max.	A	15,0	18,8	21,5	25,8	31,1	34,3	52,1	42,9	50,5	63,5	89,0	104,2	119,5
Air flow rate max.	m³/h	9.300	9.300	9.300	9.200	9.200	14.400	17.000	16.600	16.400	18.400	28.600	34.000	36.800
Water tank volume	l	330	330	330	330	330	330	390	660	660	660	720	720	720
Water pressure	bar	3,8	3,8	3,2	3,0	3,2	3,0	3,8	4,0	3,8	3,0	3,9	3,0	2,8
Nominal water flow*	m³/h	3,8	3,5	4,5	5,1	6,5	7,0	11,2	8,0	10,5	12,7	14,0	28,5	25,0
Water connections inlet/outlet	Gundix, inch	GH4-60 1 1/4	GH4-60 1 1/4	GH4-60 1 1/4	GH4-60 1 1/4	GH5-50 1 1/4	GH5-50 1 1/2	GH12-50 1 1/2	GH12-50 2	GH12-50 2	GH12-50 2	GR 32-2 2 1/2	GR 32-2 2 1/2	GR 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	1460	1460	1460	1460	1460	1460	1460	1460	1460	1460	2000	2000	2000
Height (H)	mm	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Weight (approx.)	kg	330	370	460	400	410	455	620	795	600	810	270	340	440

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.