

CTC EcoSol

VRK 14 Vacuum Solar collectors

CTC EcoSol packages
are of high quality,
feature leading edge
technology and are

attractively designed.

Complete solar systems for CTC heat pumps, CTC EcoEl or stand alone solar systems

CTC solar collectors are European made by premier manufacturers and are supplied in CTC designed packages, making it easy to select the right solar equipment for your CTC product. CTC EcoSol echoes the high quality of all other CTC products, features leading edge technology and is attractively designed. CTC EcoSol can raise the temperature in a borehole of a geothermal heat pump; can charge stored water in EcoHeat or EcoEl systems – benefiting both hot water and heating services. By using solar energy for heating and hot water, EcoSol will extend compressor life. What's more, CTC EcoSol is also ideal for wood or pellet boiler systems – with accumulator tank – to provide low cost heating over much of the year.

CTC VRK 14 Vacuum solar collectors are extremely efficient solar collectors measuring 2.23 m² with an annual output of 1240* kWh/panel. The solar collectors consist of 14 individual glass tubes drained of air with the vacuum acting as insulation. The special coating inside the tubes means very little energy is lost, even at low temperatures. There are UV-resistant reflectors underneath the tubes which capture the sun's rays no matter what direction they come from. The solar collectors are easy to maintain because each individual tube can be replaced without the system needing to be drained. The solar collectors are easy to install using the fixing kits for different roof types.

CTC EcoSol benefits:

- Quality marked with Solar Keymark
- High operational reliability with minimal maintenance
- Effective reflectors increase the vacuum tubes' efficiency
- · Increase the heat pump's efficiency and service life
- Fixing kits for different roof types
- Smart controls for different systems



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lytocor	Article-no
1p	58 49 05 001
2p	58 49 05 002
3р	58 49 05 003
1p	58 49 06 001
2p	58 49 06 002
3р	58 49 06 003
1p	58 49 07 001
2p	58 49 07 002
3р	58 49 07 003
Solar controls, circ.	58 25 10 002
pump, exp. vessel, heat exchanger and sensor.	
Solar controls, circ.	58 25 10 003
two heat exchangers, changeover valve and sensor.	
Solar controls, circ.	58 25 10 001
pump, exp. vessei and sensor.	
Main unit circ. pump	58 31 43 003
and sensor. (exp. vessel not included)**	
1	,
	58 25 45 001
on, sensor cable,	58 25 53 001
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	2p 3p 1 p 2p 3p 1 p 2p 3p 1 p 2p 3p 1 p 2p 3p Solar controls, circ. pump, exp. vessel, heat exchanger and sensor. Solar controls, circ. pump, exp. vessel, two heat exchangers, changeover valve and sensor. Solar controls, circ. pump, exp. vessel and sensor. Main unit circ. pump and sensor. (exp. vessel not included)**

Technical data	
Туре	Vakuum VRK14
Width	1560 mm
Height	1647 mm
Thickness	107 mm
Aperture area	2,23 m ²
Max. working pressure	10 bar
Weight	42 kg
Liquid volume	2,27 L
Output at 50°C (kWh/m²/ year)	696*
Approved installation angle	15-75°
Stagnation temperature	292 °C
Glass	Borosilicate

 ^{*} Annual yield forecast [kWh/m² a] (reference location Wurzburg, Germany, aperture area 5 m²)

 $^{^{\}star\star}$ For EcoSol for EcoZenith, the size of the expansion vessel is determined by the number of solar panels.



