



Solar

WIKORA

SolarSpeicherSysteme

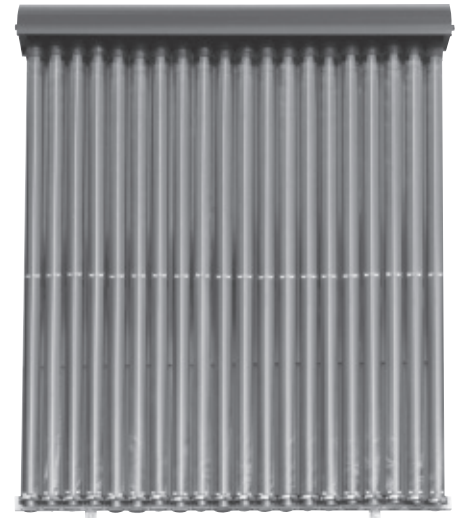
WIKOSUN HP 65 – 20/30 High vacuum tube collector “Heat pipe”

WIKOSUN HP 65 -20/30 evacuated tube collector in compact design. The modules contain 20 or 30 vacuum isolated boron silicate tubes with an integrated heat pipe system. The module includes the manifold with connectors for each tube to a dry system integration. The collector is responsible for mounting from a tilt angle of 25 to 90 degrees.

The tubes are vacuum sealed. A long-getter ensures sustained high vacuum. The copper absorber is highly selective coated with a Tinox surface. The tubes can be rotated with their absorber surfaces to be aligned in the optimum position to the sun.

The manifold casing consists of aluminium extruded profiles, is inside isolated with compressed mineral wool and outside thermal coated in colour RAL 9005.

The components are characterized by their high performance, service life, and not least its environmental friendliness. The modules consist of the manifold and the foot rail and side rails. The vacuum tubes are in separate packaging units, each with 10 tubes. A simple-to-use mounting system simplifies installation and reduces system cost.



Tested in accordance with **EN 12975-2** and certified with **Solar Keymark**.

Registered by government agencies for grant assistance **The Greener homes scheme Ireland (SEI-ST-305T, SEI-ST-306T)**

Type	WIKOSUN 65 HP-30	WIKOSUN 65 HP-20
Item number	03 1010 0 0101	03 1020 0 0101
Design	Vacuum-Tube collector (Heatpipe)	Vacuum-Tube collector (Heatpipe)
Collector gross surface	4,3 m ²	2,9 m ²
Absorber surface	3 m ²	2 m ²
Specification vacuum tube	Boron silicate hard glass, hailstonesafe	Boron silicate hard glass, hailstonesafe
Number of tubes	30	20
Pressure loss per module/flow 120 l/h	25	15
Manifold casing	Aluminium extruded profile, thermalcoated RAL 9005	Aluminium extruded profile, thermalcoated RAL 9005
Specification		
Length x width x height	2150 x 2150 x 142 mm	2150 x 1450 x 142 mm
Weight	86 kg	55 kg
Connections		
Thermal insulation manifold casing	Mineral wool compressed and laminated	Mineral wool compressed and laminated
Absorber		
Absorber coating	TiNOX	TiNOX
Efficiency	$\eta_0 = 82,6 \%$	$\eta_0 = 79,4 \%$
Peak power	2455 Watt per module	1575 Watt per module
Capacity antifreeze	1,4 litre	1,0 litre
Max. working pressure/testing pressure	6/10 bar	6/10 bar
Stagnation temperature DIN 4753-3	ca. 260 °C	ca. 260 °C
Alternatives	On roof, free standing	On roof, free standing

Mounting accessories for WIKOSUN HP 65

Basic kit for on roof mounting of 1 module:

On roof mounting for "tile roof"	03301000101
On roof mounting for "slate roof"	03302000101
On roof mounting for "steel plate roof"	03303000101
On roof mounting for "corrugated sheet iron roof"	03304000101

Extension kit for one additional module:

On roof mounting for "tile roof"	03401000101
On roof mounting for "slate roof"	03402000101
On roof mounting for "steel plate roof"	03403000101
On roof mounting for "corrugated sheet iron roof"	03404000101
Flat roof mounting kit for one module	03501000101