



Solar

## Solar station and accessories

### Solar pump group in thermal box WIK-PG 25/14 - 25/30

Twin-circuit pump group DN 25 for collector surface from 4 to approx. 40 m<sup>2</sup>, (**parallel & series flow**) consisting of flow meter, safety valve 6 bar to DIN 4757, manometer 0-10 bar, 2 thermometers, 2 ball valves, 2 non return valves flow/return, 2 connections for filling and draining, thermal insulation, wall mounting bracket, fixing bolts, compression fittings Ø 22 mm, and de aerator with manual air vent.

		Item number
WIK-PG 25/14	with flow meter up to 14 l/min	01 5100 1 0101
WIK-PG 25/30	with flow meter up to 30 l/min	01 5100 2 0101

Recommended flow rate per collector 2 l/min

### Solar pump group in thermal box WIK-PS 25/14 - 25/30

Single circuit pump group DN 25 for collector surface up to 40 m<sup>2</sup> (**parallel & series flow**) consisting of flow meter, thermometer, 1 x ball valve, 1 x non return valve flow, thermal isolation, wall mounting bracket, fixing bolts and compression fittings Ø 22 mm (**please note: safety group not included**).

		Item number
WIK-PS 25/14	with flow meter up to 14 l/min	01 5100 3 0101
WIK-PS 25/30	with flow meter up to 30 l/min	01 5100 4 0101

Recommended flow rate per collector 2 l/min.

### 3-way valve WIK UV

3-way valve for solar systems and tanks WIKOSOL IV, WPKR TWIN and WPRR.

		Item number
WIK-UV	3-way valve 3/4", 230 V	02 327

### Expansion vessel WIK-AG 18 - 50 for solar systems

Membrane pressure expansion vessel in accordance to 97/23/EG and prEN 1383 nitrogen filled, preset to 2,5 bar, connection G 3/4", operating temperature -10 °C up to 110 °C, with EEC design certificate

		Item number
WIK-AG 18	18 litres/max operating pressure 10 bar	01 5318 0 0101
WIK-AG 25	25 litres/max operating pressure 10 bar	01 5325 0 0101
WIK-AG 35	35 litres/max operating pressure 10 bar	01 5333 0 0101
WIK-AG 50	50 litres/max operating pressure 10 bar	01 5350 0 0101

### Solar liquid 100% concentrate WIK-PE 10 for solar systems

for corrosion and freeze protection in the solar circuit, with high thermal transfer, environmentally friendly, according to DIN 4757. With mixing proportion 60:40, freeze protection to approx. -26°C, mixed volume approximately equal to 25 litres

		Item number
WIK-PE 10	canister with 10 kg	01 5410 0 0101



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## Solar controller and accessories

### Temperature-differential controller WIK-DR 1 BASIC

Single circuit system controller for solar-thermal systems with multi functional LCD-Display.

The controller has 3 inputs for PT 1000 sensors and 1 output 230V/ 1A.

Standard functions are limiting max. temperature storage tank, temperature difference control manual operation, thermostat function (reheating), cooling function and system protection function.

As additional function the controller has rotational speed control of the output, error- and pump flow-control with error message on display, (incl. 2 sensors PT1000).

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**Item number**

**WIK-DR 1 BASIC** 01 7500 0 0101

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### Temperature-differential controller WIK-DR 3 VISION-Plus

Twin circuit system controller for solar-thermal systems with multi functional LCD-Display.

The controller has 6 inputs for PT 1000 sensors and 3 outputs 230V/ 1A.

Standard functions are limiting max. temperature storage tank, temperature difference control manual operation, thermostat function (reheating), recooling function, system protection function and tube collector function. As additional function the controller has rotational speed control on two outputs, thermostat function, cooling function, 2nd differential temperature regulation, energy productivity measurement, time frame, illuminated display, wood boiler function, error- and pump flow-control with error message on display, (incl. 3 sensors PT1000).

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**Item number**

**WIK-DR 3 VISION-Plus** 01 7600 0 0101

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### Temperature-difference controller WIK-DR 6 GENIUS-Plus

Triple circuit system controller for solar-thermal systems with multi functional LCD-Display.

The controller has 10 inputs for PT 1000 sensors, 3 of them alternatively for digital input or radiation sensors and 7 outputs 230V/ 1A with rotational speed control. Standard functions are

limiting max. temperature storage tank, temperature difference control, manual operation, thermostat function (reheating), cooling function, tube collector function, energy productivity measurement, circulation and thermostat function time controlled, free varifiable multifunction controller, supplied with a choice of tested system schematic drawings for full multifunction control. The diagnosis function of the controller gives the monitoring of the system, of the sensors and the outputs. All parameters can be digital changed by programming.

**(Temperature sensors PT 1000 must be ordered seperately).**

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**Item number**

**WIK-DR 6 GENIUS-Plus** 01 7700 0 0101

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### Energy productivity measurement kit WIK-EES

Volume meter with tube contact sensor for the energy productivity measurement in combination with temperature-difference controller WIK-DR 3 VISION plus or WIK-DR 6 GENIUS plus.

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**Item number**

**WIK-EES** 01 7800 0 0101

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### Overvoltage protection WIK-BD 1

Overvoltage fine protection for sensor inputs on all WIK-DR controller.

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**Item number**

**WIK-BD 1** 01 7000 0 0101

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### Temperature sensor WIK-PT 1000

Sensor PT 1000 for all WIK-DR controller, sheath of stainless steel 6x25 mm, silicon cable length 2,0 m.

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**Item number**

**WIK-PT 1000** 01 7900 0 0101

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