



Solar

## Thermosiphonic system TSA 120 – 300

**Thermosiphonic system TSA**, solar system for gravity operation as a combination of WIKOSUN flat plate collectors, a horizontal mounted double skin solar DHW tank including mounting frame, consisting of:

**WIKOSUN 2020 Mi flat plate collector** with an aluminium absorber with Mirotherm coating on Cu-tube harp in a housing of aluminium extruded section,

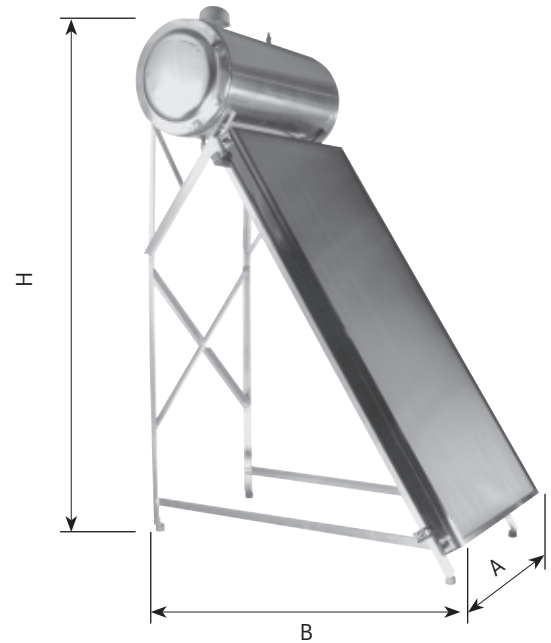
**WIKORA double skin solar DHW tank** for mounting horizontally. Manufactured according to DIN 4753-1 of enamelled processed steel sheet (S235JRG2) in certified quality. Domestic Hot Water affected surfaces are protected by double-coated enamel and magnesium anode. All tanks are tested to DIN 4753 part 1 to 6. This ensures hygienic material only in contact with Domestic Hot Water.

Built with an integrated expansion vessel and electric heater. The outside of the tank is finished with a corrosion resistant stainless steel cover.

**Mounting frame** from aluminium profiles to carry tank and collector.

**Connecting Pipe work**, for the solar circuit, i.e., from the solar collector to the tank is supplied as flexible stainless steel tubes with high temperature resistant insulation.

**Solar liquid must be ordered separately dependent on System capacity.**



Tank		WTL 120	WTL 150	WTL 200	WTL 300
Item number		55128000100	55158000100	55208000100	55308000100
Capacity DHW	litre	120	150	200	300
Max working pressure DHW	bar	10	10	10	10
Max working temperature DHW	°C	95	95	95	95
Capacity solar circuit	litre	7	9	12	15
Max working pressure solar circuit	bar	8	8	8	8
Max working temperature solar circuit	°C	110	110	110	110
Area double skin	m <sup>2</sup>	0,75	0,95	1,12	1,3
Capacity expansion vessel	litre	1,3	1,3	1,8	1,8
Insulation	mm	50 PUR	50 PUR	50 PUR	50 PUR
Performance electric heater	kW	230V/2kW	230V/2kW	230V/2kW	230V/2kW
Connection hot water	R	1/2"	1/2"	1/2"	1/2"
Connection cold water	R	1/2"	1/2"	1/2"	1/2"
Connection solar circuit	R	3/4"	3/4"	3/4"	3/4"
Diameter with insulation	mm	520	520	580	580
Overall length	mm	1100	1350	1350	1900
Weight empty	kg	57	69	76	110
Weight filled	kg	176	219	340	410

### Collector WIKOSUN 2020 Mi

Number of collectors		1	1	2	2
Area of collectors	m <sup>2</sup>	2,01	2,01	4,02	4,02
Capacity solar liquid	Litre	1,33	1,33	2,66	2,66

### Data of the complete TSA system\* / collector/tank/frame

		TSA 120/1	TSA 150/1	TSA 200/2	TSA 300/2
Item number		3126000101	3156000101	3206000101	3306000101
Weight of the system	kg	273	316	440	575
Width of the system	A mm	1400	1400	2100	2100
Depth	B mm	2200	2200	2300	2300
Height	H mm	2300	2300	2400	2400

\* consisting of collector(s), tank and mounting frame

R = male thread (inch)