

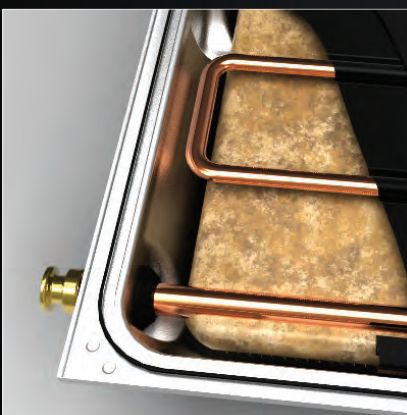
flat-plate thermal collector **TS530/M**

Horizontal version of popular TS500 collector. With its increased area of 2.5 m², this collector is suitable especially for multi-dwelling and industrial buildings, tourist facilities and other installations where larger number of collectors is needed.

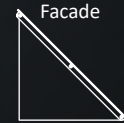
Thanks to its smaller height, you can minimize the wind effects or make the collectors less visible. The TS530/M collector has higher resistance to harsh climatic conditions. It can be installed on facades and balconies.

Why choose TS 530/M?

This horizontal collector is best suited for installations on balconies and facades, and it is irreplaceable for installations on high buildings.



Flat roof
Free terrain
Facade



Sloping roof,
above the
roofing

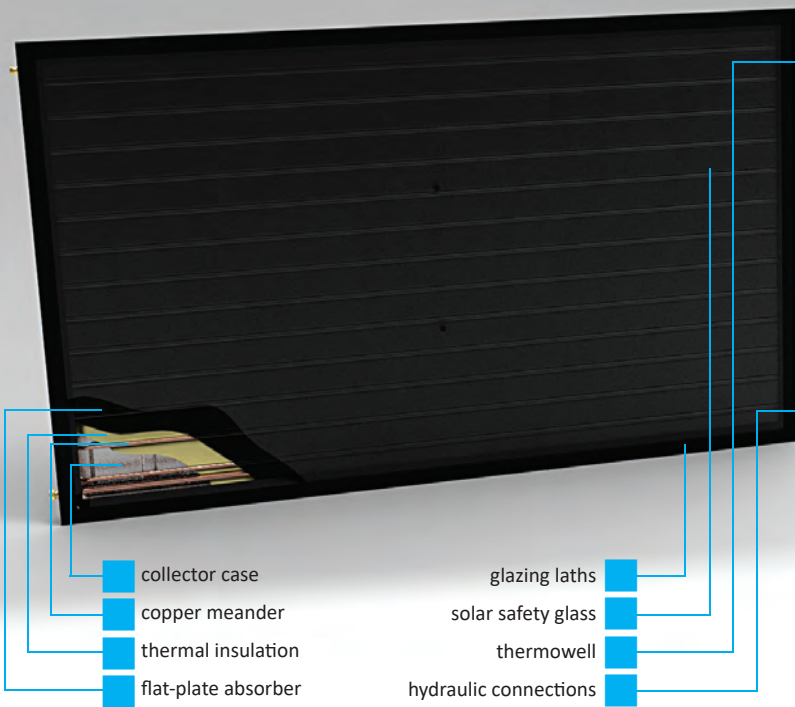


Sloping roof,
integration into
the roofing



Sloping roof, with
increasing the
inclination angle





Flat-plate thermal collector TS530/M:

Horizontal version of popular TS500 collector designed for installations on facades, balconies, high buildings with flat roofs, etc.

It is designed for solar systems with circulating pumps. Collectors are connected in parallel to each other. Maximum 5 collectors can be connected in one row.

Collectors base consists of a compact pressed metal case made of Al-Mg sheet. A solar safety glass is attached to the case by glazing laths made of anodized aluminium profiles.

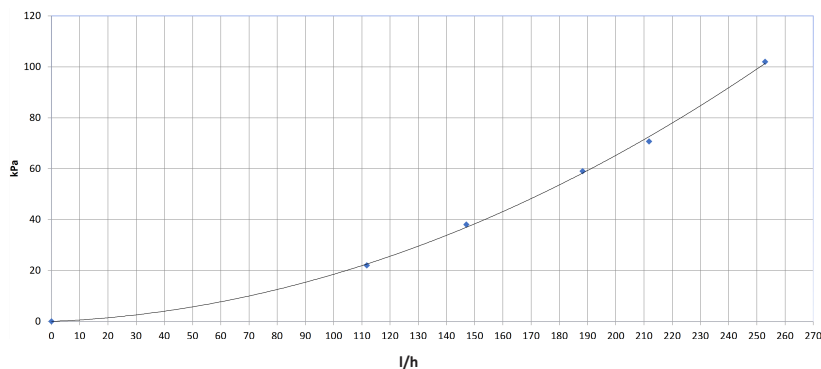
Absorber is made of specially shaped aluminium sheet with selective conversion layer. The sheet covers a copper pipe meander (patented solution).

The TS530/M collector is produced in the following variants:

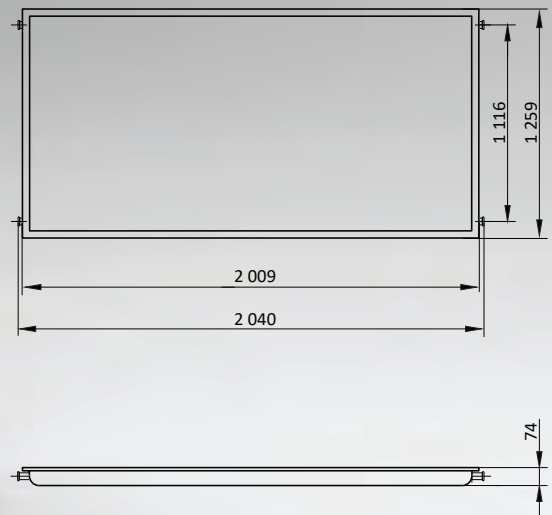
- with flanged connections (connection to solar circuit is provided by quick couplers $\varnothing 26$ mm)
- with union nut connections

TS530/M (P)	with flanged connections	S1614
TS530/M (M)	with union nut connections	S1620

TS530 Graph: Pressure Drop (kPa) vs Flow Rate (L/h)
Medium: Thesol (Propylene glycol 50%) Temperature: 50 °C



Dimensions:



Technical parameters:

Dimensions	1 259 x 2 009 x 74 mm
Gross area	2,53 m ²
Absorption area	2,26 m ²
Aperture area	2,26 m ²
Linkage dimensions	2 040 mm
Weight	46 kg
Liquid content	2,4 l
Max. operation pressure of heat transfer liquid	600 kPa
Recommended flow rate of heat transfer liquid	30-100 l/h per one collector
Connections	• union nut connections 3/4" • flanged pipe connections $\varnothing 26$ mm
Thermowell	for sensor $\varnothing 6$ mm
Cover glass	solar safety glass, thickness 4mm
Collector case	stamping made of non-corosive Al-Mg sheet
Thermal insulation	mineral felt, thickness 40mm
Selective absorber coating	ALOX (black)
Solar absorptivity $a_{AM1.5}$	95%
Thermal emissivity $e_{82^\circ C}$	13% ALOx
Optical efficiency	77%
Recommended operation temperature	below 100°C
No-load temperature (1000 W/m², 30°C)	190°C
Max. thermal power output (1000 W/m², 30°C)	1 790 W



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