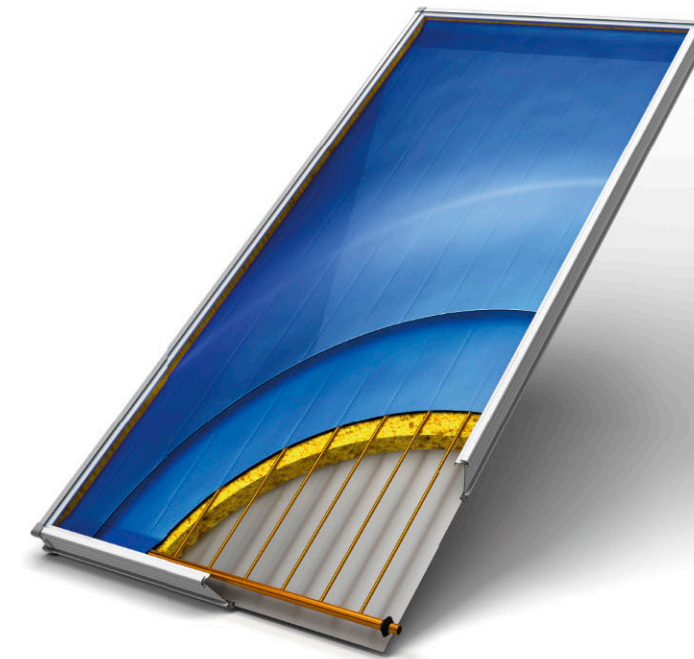


## Flat plate solar collectors with selective absorber



### Flat plate solar collectors



MODEL		TESY SP 06 200	TESY SP 06 250
Dimensions			
L	mm	2176	2176
B	mm	966	1181
H	mm	90	90
Gross surface area	m <sup>2</sup>	2.1	2.57
Aperture area	m <sup>2</sup>	1.87	2.32
Net weight	kg	31	38
Absorber	type	Copper; Full plate	Copper; Full plate
Coating		Selective type	Selective type
Absorption factor	%	95	95
Emission factor	%	5	5
Max operating pressure	bar	6	6
Test pressure	bar	9	9
Max operating temperature	°C	160	160
Position angle	°	25-55	25-55
Heat transfer fluid		PG:H <sub>2</sub> O (30:70)	PG:H <sub>2</sub> O (30:70)
Liquid content		1.4	1.7
Pipe fitting types		Ø 22	Ø 22
Collector efficiency	%	77	77
Heat losses coefficient a1	W/m <sup>2</sup> K	3.05	3.06
Heat losses coefficient a2	W/m <sup>2</sup> K <sup>2</sup>	0.0074	0.0073
Frame		Al	Al
Bottom		Al	Al
Cover glass		3.2 mm prismatic - low iron tempered solar glass	4 mm prismatic - low iron tempered solar glass
Collector heat insulation	type	mineral wool	mineral wool
Welding type		ultrasonic	ultrasonic

The design and the technical data specified in the catalogue are subject of change without notice.