

**SOLAR COLLECTORS MODELS ST-2000 AND ST-2500**



**Description**

Flat solar collector, firmly built, of new technology suitable for all forced circulation solar systems. The production process and the raw materials that are used produce a high thermal energy efficiency even during periods with insufficient radiation.

**Models**

The solar collectors MEGASUN are produced in two types, ST-2000 (2,10 m<sup>2</sup>) and ST-2500 (2,61 m<sup>2</sup>), with black paint coating or selective treatment in titan, which either in solo or in combinations cover all of the requirements of solar systems.

**Basic Technical Characteristics**

- Frame made from stainless aluminum, which is extremely durable to adverse climatic conditions (high humidity - coastal areas).
- Strong side and back insulation (20mm glass wool and 40mm rock wool), minimize thermal losses in areas with low seasonal temperatures.
- Special prismatic glass, resistant to hale (solar tempered glass).
- Absorber made from copper treated with a blue colour titanium selective coating or with black paint. The absorber with titanium coating is ideal for regions with high dif-fused radiation and low temperatures, absorbing up to 16% more solar radiation in winter months compared to simple black chrome absorbers. This method of coating is non toxic and does not pollute the environment, while keeping stable its mechanical and optical properties during high and low temperatures.

**DIMENSIONS OF THE SOLAR COLLECTORS**

TYPE SELECTIVE	Dimensions (m <sup>2</sup> )	Gross Surface (m <sup>2</sup> )	Net Surface (m <sup>2</sup> )	Weight (kg)	Capacity (L)	Test Pressure (bar)	Max. working Pressure (bar)	Absorber	
								a	e
<b>ST-2000</b>	2050x1010x90	2,10	1,8	43	1,67	10	7	95%±2%	5%±3%
<b>ST-2500</b>	2050x1275x90	2,61	2,31	51	2,09	10	7		