

SOLAR COLLECTORS MODELS ST-2000 AND ST-2500 SELECTIVES

Technical Characteristics:

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|---------------------|--------------------------------|
| Absorber: | a unique sheet of copper shett |
| Thermal Absorption: | 95% |
| Thermal loss: | 5% |
| Thickness: | 0,2mm |
| Coating: | selective titanium |

Characteristics of the tubes:

| | |
|-----------------------------------|--|
| Diameter of the horizontal tubes: | (\varnothing 22mm) |
| Diameter of the vertical tubes: | (\varnothing 10mm ou \varnothing 8mm) |
| Material: | copper |
| Test Pressure: | 10 bars |
| Maximum functional pressure: | 7 bars |

Frame:

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|------------------|------------------------|
| Material: | heavy aluminum profile |
| Back insulation: | 35-40 mm insulation |
| Side insulation: | 20 mm glasswool |

Cover:

| | |
|-----------------|-------------------------------------|
| Material: | solar tempered glass |
| Thickness: | 3,5mm or 4mm |
| Watertightness: | joint EPDM and transparent silicone |

General Characteristics:

| | |
|---------------------------|---|
| Total thermal efficiency: | 95% \pm 2% |
| Total thermal losses: | 5% \pm 3% |
| Antifreeze: | glicol appropriate for solar systems |

Support base:

The characteristics of the support base for the collector(s) with the ways of installation on the various types of roofs, are described analytically on page 32, Chapter 5, Installation Instructions.

