

# COLECTORES SOLARES



## ZHS solar collector

### Principais Características

- Made of aluminum, designed to withstand winds of over 150km/h and snow loads of 1.25 kN/m<sup>2</sup>;
- Laser-welded absorber with highly selective coating and anti-corrosion protection;
- Intelligent ventilation system preventing the ingress of sand and impurities;\*;
- Long-lasting and environmentally friendly thanks to the use of recyclable materials with no emission of polluting gases;
- Optimum performance-price ratio thanks to its intelligent design; Maximum precision thanks to its robotic line construction process;
- High heat transfer between the absorber plate and the vertical tubes thanks to laser welding technology;
- Easy to transport and assemble due to its low weight and profile;
- Toughened solar glass with low iron content, greater transparency and high resistance;
- Can be installed on a terrace or roof thanks to its modular fixing system.

### Descrição do Produto

Selective solar thermal collector, Solar Keymark certified and with a 10-year guarantee.

NEW Certification SOLERGY, the only one in Portugal, with an energy label for various applications.

NOTE: once the solar collector has been properly received by the customer, the glass is excluded from the guarantee.

ZHS 200 the complete Pallet brings 16 und. and ZHS 250 brings 11 und.

### Modelos e Preços

Código	Modelo
2701-0108	Colector Solar Top Selectivo ZHS 200
2701-0122	Top Selective Solar Collector ZHS 250
2702-0307	Roof structure for 1 ZHS 200/250 collector
2702-0308	Roof structure for 2 ZHS 200/250 collectors
2702-0309	Roof structure for 3 ZHS 200/250 collectors
2702-0310	Roof structure for 4 ZHS 200/250 collectors
2702-0311	Roof structure for 5 ZHS 200/250 collectors
2702-0312	Roof structure for 6 ZHS 200/250 collectors
2702-0301	Terrace structure for 1 ZHS 200 collector
2702-0323	Terrace structure for 1 ZHS 250 collector
2702-0302	Terrace structure for 2 ZHS 200/250 collectors

Código	Modelo
2702-0303	Terrace structure for 3 ZHS 200/250 collectors
2702-0304	Terrace structure for 4 ZHS 200/250 collectors
2702-0305	Terrace structure for 5 ZHS 200/250 collectors
2702-0306	Terrace structure for 6 ZHS 200/250 collectors
2702-0313	Thermosiphon Roof Structure for 1 ZHS 200 Collector
2702-0330	Thermosiphon roof structure for 1 collector ZHS 250
2702-0314	Thermosiphon Roof Structure for 2 ZHS 200 Collectors
2702-0315	Thermosiphon Terrace Structure for 1 ZHS 200 Collector
2702-0316	Thermosiphon Terrace Structure for 2 ZHS 200 Collectors
2702-0322	Thermosiphon Terrace Structure for 1 ZHS 250 Collector

TECHNICAL DICE	ZHS 200	ZHS 250
Energy Class (50°C)	AA	AA
Energy Class (75°C)	A+++	A+++
Total area (m <sup>2</sup> ):	2,02	2,52
Absorber area (m <sup>2</sup> ):	1,84	2,30
Opening area (m <sup>2</sup> ):	1,92	2,39
Height x Width x Depth (mm):	1731 x 1170 x 84	2151 x 1170 x 84
Instant Yield (no, hem):	0,748	0,748
Loss Coefficient a <sub>1</sub> (W/m <sup>2</sup> .K):	3,423	3,423

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Loss Coefficient a <sub>2</sub> (W/m².k²):	0,013	0,013
Angle Modifier (at 50º)	0,93	0,93
Fluid capacity (lts)	1,4	1,7
Absorption (%):	95	95
Emission (%):	5	5
ø collector pipes (mm)	22	22
ø adductor tubes (mm)	8	8
Links	compression ø22	compression ø22
Glass:	tempered 3.2 mm	tempered 3.2 mm
Glass transmittance (%):	95	95
Thermal Isolation	40 mm (mineral wool)	40 mm (mineral wool)
Max. stagnation temperature (°C):	181	181
Max. working pressure (bar):	10	10
Weight (kg):	35	42

