

## TECHNICAL SPECIFICATION FOR THERMOSIPHON SOLAR WATER HEATING SYSTEM

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### SNP-150

The following solar water heating system is certified according to China National Standard GB/T 18713-2002 concerning the heating efficiency and reliability.

#### HORIZONTAL BOILER 150Lt:

- | Nominal capacity: 150 Lt.
- | Ø480mm.
- | Length 1480mm
- | Inner shell: 1.5mm thick low carbon steel enameled with 4mm thick PEX layer at 300°C, free of corrosion, scale deposit and leakage under high pressure, good heat preservation performance.
- | Maximum working pressure: 10 Bar
- | Factory testing pressure: 12 Bar
- | Maximum working temperature: 99°C
- | Thermal insulation layer: Expanded rigid polyurethane foam of high density, Thickness 47.5 mm, temperature drop is less than 2°C within 24 hours.
- | External cover of the boiler: prepainted steel sheet, thickness 0.5mm.
- | Pre-fitted PT valve: 1 PCS, overheating and over pressurized prevention.
- | Inlet of cold city water and exit of consumption hot water: Brass tube G1/2"
- | Optional: Electric heating element with thermostat control and contactor unit
- | Vertical boiler is also available upon customer request

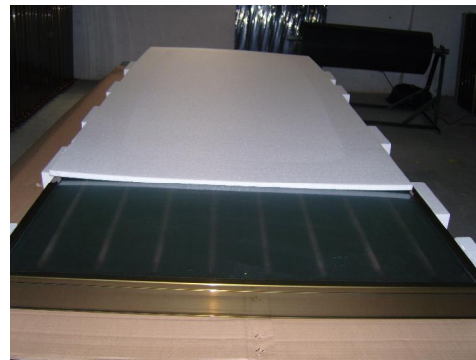


## SOLAR COLLECTOR 2.0 m<sup>2</sup>:

- | External dimensions: 2000mm×1000mm×thickness 80mm.
- | Front glass cover: textured safety-toughened glass with thickness 4mm;
- | Absorber: Formed with 8 copper tubes Ø10 mm, ultrasonic welded 8 copper fins.
- | Absorbing surface treatment: Black Chromed on nickel with high absorbance
- | Headers of absorber in diameter Ø22 mm, creating 4 exits on the collector that are insulated with EPDM rings.
- | Frame of the collector: Aluminum alloy frame with waterproof structure.
- | Encased insulation: fiber glass, 50mm thick back insulation, 25mm for side.
- | Back sheet: Hot dip galvanized steel sheet with thickness of 0.4mm
- | Weight of empty collector: 37 kg.
- | Capacity of solar thermal fluid: 1.9 Lt.



Silver white frame



Bronze color frame

## SUPPORTING BRACKET

- | Supporting stand for flat roof or inclined roof, ready to fix
- | 4mm thick section steel structured with pre-galvanized finish, antirust and firm in structure.

