



Indirect Flat Plate Pressure Solar Water Heater (Jacket tank, use antifreeze Glycol, Closed circuit system) Tank with Inspection Flange



Certificado
EN12976
Solar Keymark
SEC

Modelo: KYP-150J

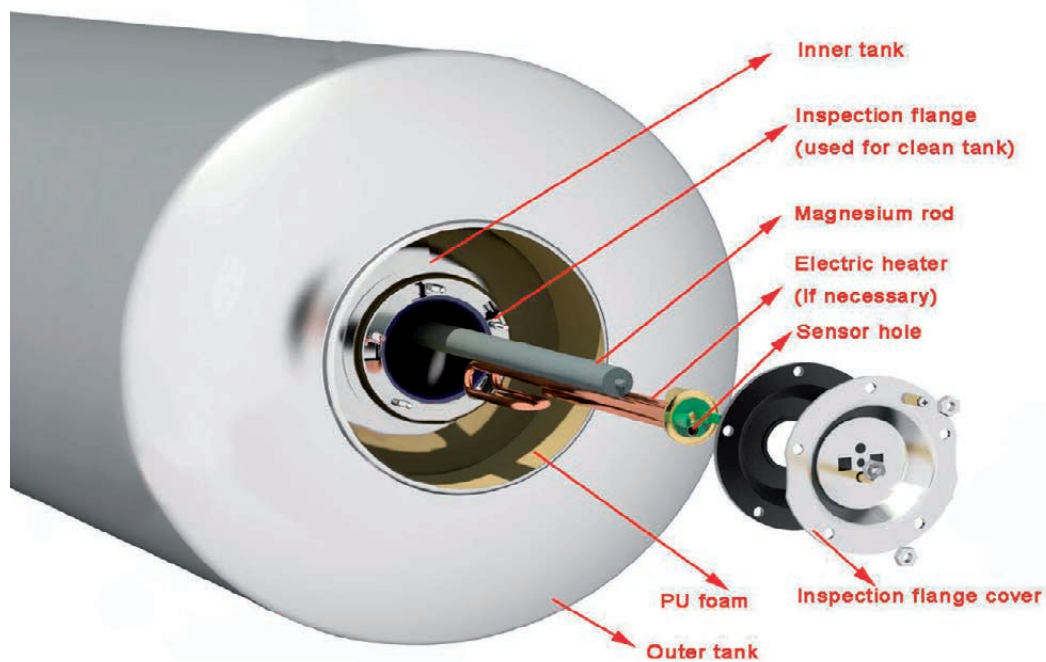
KYP Indirect System Specification:

| Model | KYP-150J | KYP-200J | KYP-250J | KYP-300J | KYP-300JA |
|---------------------------------------|---|---------------------|---------------------|---------------------|---------------------|
| Tank Capacity | 150 L | 200 L | 250 L | 300 L | 300 L |
| Tank structure | Inner tank + Jacket + PU foam + Outer tank | | | | |
| System type | Jacket Type / Closed Circuit System / indirect system | | | | |
| Inner tank | Enamel coating | | | | |
| Outer tank material | Color steel | | | | |
| Jacket heat exchange area | 1.04 m ² | 1.41 m ² | 1.81 m ² | 2.28 m ² | 2.28 m ² |
| Heat-exchange liquid | Water + Glycol mixture(antifreeze) | | | | |
| Insulation layer: | PU foam | | | | |
| Working pressure | 8 Bar | | | | |
| Testing pressure | 12 Bar | | | | |
| Support | Painted galvanized steel; 38 degree angle | | | | |
| | Suit for <u>flat roof and slope roof</u> installation | | | | |
| Connection | Total 8pcs | | | | |
| Cold water inlet connection | 3/4" (1 pc) | | | | |
| Hot water outlet connection | 3/4" (1 pc) | | | | |
| Filling pipe connection | 1/2" (2 pc) | | | | |
| Circulation inlet / outlet connection | 1/2" (2 pcs) | | | | |
| T/P valve connection | 3/4" (1 pc) | | | | |
| Inspection flange | 1 pc | | | | |
| Flat panel type | KYC-2.0 | KYC-2.5 | KYC-2.0 | KYC-2.0 | KYC-2.5 |
| Qty. of flat panel (pc) | 1 | 1 | 2 | 2 | 2 |

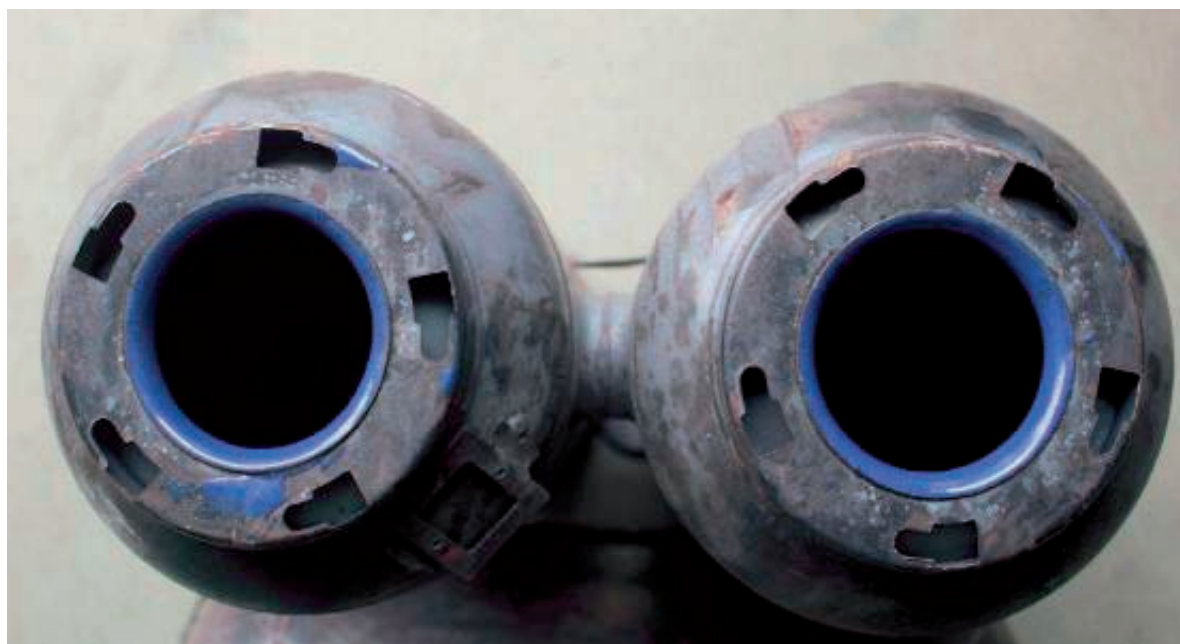
Flat plate collector specification:

| Model | KYC-2.0 | KYC-2.5 |
|---------------------------------|--|------------------|
| Dimension LxWxH (mm) | 2000 x 1000 x 80 | 2000 x 1250 x 80 |
| Gross Area (m ²) | 2.002 | 2.504 |
| Aperture Area (m ²) | 1.817 | 2.303 |
| Number of cover (unit) | 1 | |
| Cover material | Low iron, Super clear, tempered glass | |
| Cover Thickness (mm) | 3.2 | |
| Cover Transmission | >93% | |
| Absorber | | |
| Coating | Blue titanium | |
| Surface Treatment | Vacuum magnetron sputtering | |
| Material | Aluminium sheet | |
| Absorber type | Whole Board | |
| Absorptivity | 96 | |
| Emissivity | 4% | |
| Construction Type | Grid type-Vertical | |
| Header pipe material | Red copper TP2 / CA1220 | |
| Header pipe diameter | Φ22 mm | |
| Riser pipe quantity | 8 pcs | 10 pcs |
| Riser pipe material | Copper TP2 / CA1220 | |
| Riser pipe diameter | Φ8 mm | |
| Welding technology | Laser welding | |
| Test pressure (MPa) | 1.2 MPa, keep 5 minutes | |
| Thermal Insulation | | |
| Insulation Material | Glass wool | |
| Density(kg/m ³) | 35 | |
| Thickness(mm) | 30 | |
| Casing | | |
| Frame | Aluminium alloy 6063 | |
| Color | Black | |
| Back Plate | Galvanized steel plate, 0.4 mm thickness | |
| Sealing Gasket | EPDM | |

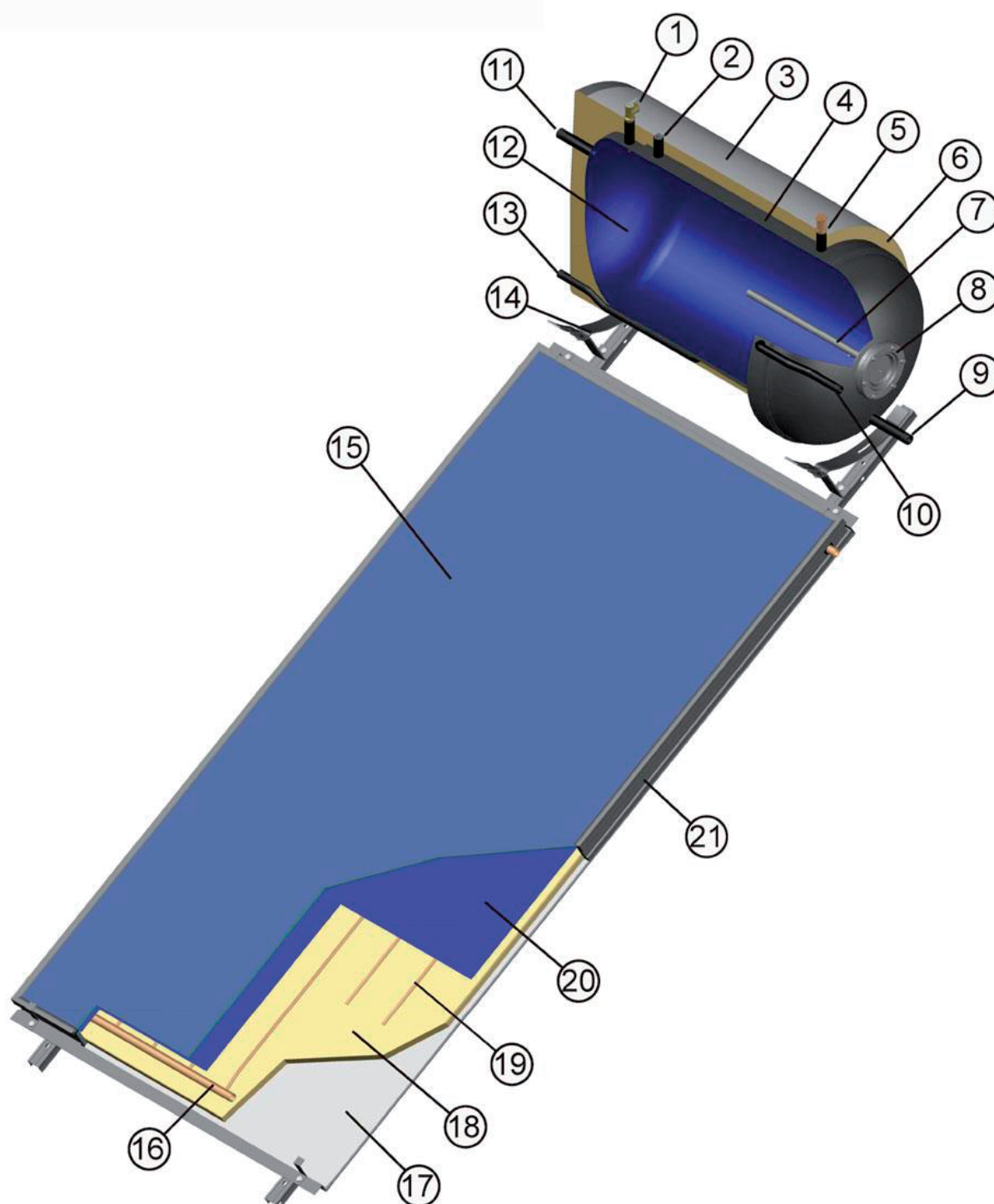
Inspection flange - Structure diagram:



Enamel inner tank:



System Diagram



| | | | | | |
|---|------------------------------------|----|-------------------------|----|----------------------|
| 1 | Válvula de Presión | 8 | Brida de inspección | 15 | Vidrio templado |
| 2 | Para llenado | 9 | Entrada de agua fría | 16 | Tubo de encabezado |
| 3 | Tanque externo | 10 | Entrada del fluido | 17 | Hoja posterior |
| 4 | Doble envolvente | 11 | Salida de agua caliente | 18 | Capa aislante |
| 5 | Para llenado(Válvula de seguridad) | 12 | Interior del tanque | 19 | Parrilla de tuberías |
| 6 | Capa aislante | 13 | Entrada del fluido | 20 | Placa absorbadora |
| 7 | Varilla de magnesio | 14 | Soporte | 21 | Marco |

Schematic diagram

