

tank specifications:

Inner tank material: of UST 37.2 quality metal sheet, 3mm thickness. Inner surface is glass enameled baked at 860°C

) Surrounding heat exchanger (Jacket) using cold rolled UST 37.2 quality metal sheet, of 1.5 mm thickness

Anticorrosion protection

Tank enameled twice according DIN 4753 Teil3

External boiler casing made of electrostatic high durability painted steel sheet , 0.6 mm thickness

The boiler is insulated with ecological expanded polyurethane that does not contain C.F.C., in accordance with EU directives. Of 60 mm thickness, 47 kg/m³ density

Internal glass enamel layer (DIN 4753-3) processed at 860o C.

Certified material for use with potable water (DIN 51032 & EN 1388-2)

Magnesium anode rod protection DIN124382.2

Working temperature max: 95 °C

working pressure max: 10 bar (tank) tested at 16 bar (EN-12976-2/2006)

Copper expansion tank

Safety pressure valves

tank: 300 ltr

Actual Capacity: 276ltr

Length [mm]: 1775mm

(Inner) Diameter [mm]: Ø480

(Outer) Diameter [mm]:Ø580

Jacket Type Exchanger Surface [m²]:1,52

Jacket Type Exchanger Capacity [ltr]:15,5

Inspection Flange Diameter [mm]: Ø140

Solar Collector

Frame made of anodized aluminum profile 16-18 Micron sea water resistant

cover : Solar tempered low iron mistlie glass ,with stable coefficient of expansion and high light transmittance (> 92 %) 3.8 mm thickness, water proof casing

Absorber copper pipes 10-15 mm

Copper manifold tubes

absorber fin 100 mmX 0.3-0.5 mm using alanod's® mirotherm ®or mirosol® selective blue chrome paint (SOL plus collectors) or high absorbing black coating (Energy plus collectors) welded with the tubes by laser or ultrasonic

Black silicone & EBDM tape for top& back sealing

Glass wool insulation 4 cm (back) 1.5 cm (sides) with back plate of aluminum 0.6 mm thickness.