

EPD



## Non Pressurized Solar Water Heater

### Key Features

- Suitable for any type of hard water.
- International standard Diamond Glass line coating keeps the tank free from rust and corrosion.
- Coating material is glass, a good insulator of heat, ensuring water remains hot for a longer period.
- No rust possible, ensuring no particles stick, bond, or react with the inner tank surface.
- Suitable for water hardness up to 3000PPM.
- Special manhole provided for inner tank cleaning.
- High-density PUF (polyurethane foam) insulation.
- Provides hygienic and clean water for bathing purposes.
- Application: Softwater or Hardwater up to 50 to 3000PPM.
- Insulation: High density Poly Urethane Foam (PUF) Insulation inside the Tank to resist the hot water long period of 72 hrs.
- Outer Cladding Material: Pre Painted Galvanised Iron (PPGI) / Stainless Steel (SS 430 Grade or SS 202 Grade).
- Hose pipe: 25/35 EPDM Rubber
- Electrical back-up: 2kw to 10kw thermostat controlled, varies according to size of the storage tank
- Sacrificial Anode: To avoid galvanic corrosion
- 1 years of Warranty.

# Non Pressurized Solar Water Heater Specifications

## Technical Specification of Solar FPC Collector

Absorber Coating	Selective coating of absorptivity $0.097 \pm 0.02$
Riser Pipe	Copper 12.5mm
Header Pipe	Copper 25 mm
Bonding between Riser and Header	Brazing
Bonding between Riser and Absorber sheet	Continuous Ultrasonic Welding
Size of Collector	1030 mm x 2030 mm
Front Glazing	Hi Efficiency Frosted Glass toughened Glass 97%
Bottom sheet	Aluminium Sheet
Backside Insulation	Fiber wool / Rock wool
Gasket	EPDM Rubber
Collector Box	Extruded Aluminium channels
Header inlet and outlet jackets	Brass Flanges
Collector Box Corner finishing	Aluminium angle
Collector box coating	Polyester grade powder coating [Off White]
Assembly	Pneumatic Technology
Collector inside finishing	Aluminium foil

**Available capacities in domestic 100,200,300 and 500 litres. For Non Domestic 500 litres to 10,000 litres.** Above 500 to any capacities for industrial applications(This systems can be manufactured according to the customized requirement where hot water requirement is more, such as Hotels, Hospitals, PG's, Hostels and Textile Industries.,)

## Technical Specification Supporting Structure

**Material:**Mild Steel with Polyester Grade Powder Coated.

**Fastners** SS 304/GI with Nickle platted.