

FPC



Pressurized Solar Water Heater

Orange FPC Pressurised Solar Water Heaters are made from high-quality raw materials and high-quality components, meeting international standards. FPC collector absorbers are highly efficient with a 96.5% absorbency rate. The system can withstand pressures up to 8 kg/cm² and is tested up to 10 kg/cm², making it compatible with pressure booster pumps. Customers can easily use it for showers and high-pressure applications. The system is designed to be user-friendly under all conditions.

silent features

- Energy Efficient Generates hot water without electrical power, saving up to 90% on electricity bills.
- Advanced Technology Diamond glass line coating, one of the best technologies in the world.
- High Absorbency 96.5% absorbency rate.
- ISI Mark Made in India product.
- Suitable for water hardness up to 3000PPM.
- Tested Pressure 10 kg/cm² working pressure and 6 kg/cm².
- Durable Construction Outer cladding available in PPGI/SS.
- Sturdy Stands Made from high-thickness MS angle with powder coating.
- Robust Storage Tanks Made from 3mm to 8mm sheets.
- High-Density PUF Insulation Ensures effective thermal insulation.
- Variety of Capacities: Available from 100 litres to 10,000 litres.

Pressurized Solar Water Heater Specifications

Technical Specification of Solar FPC Collector

Absorber Coating	Selective coating of absorptivity 0.097 ± 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
Working Pressure	4 Kg
Testing Pressure	6 Kg - 8 Kg

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.