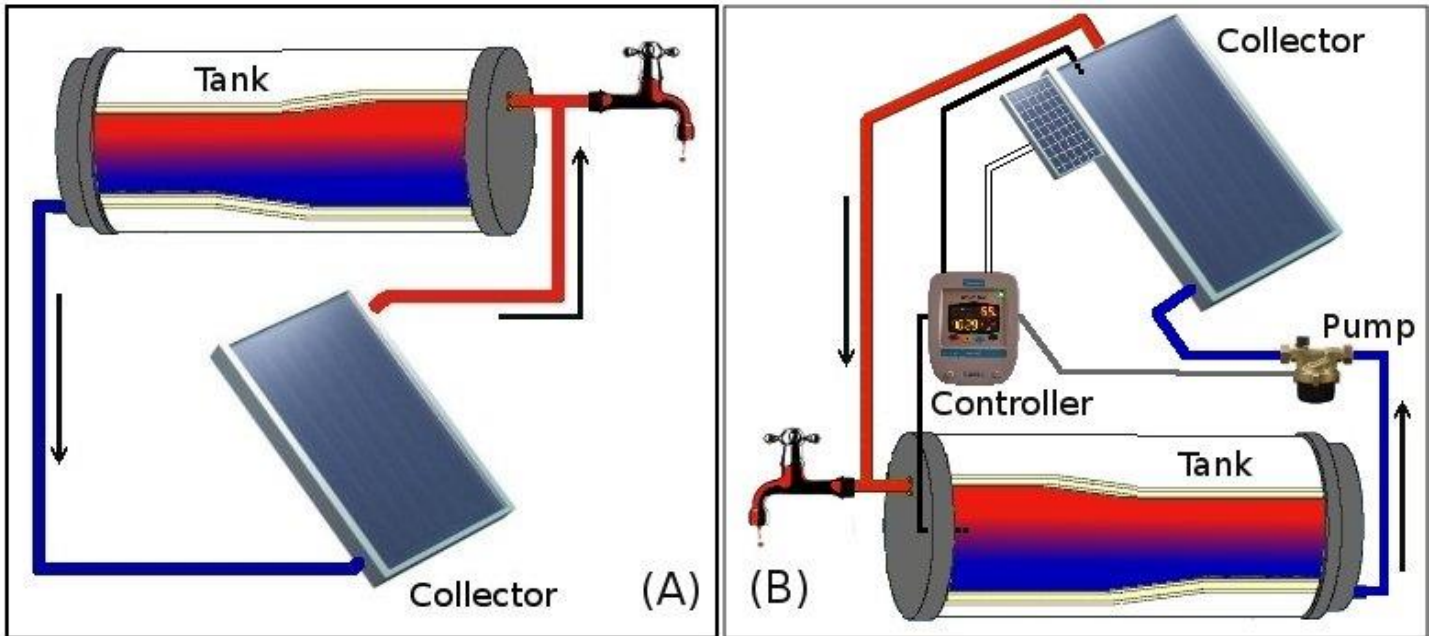
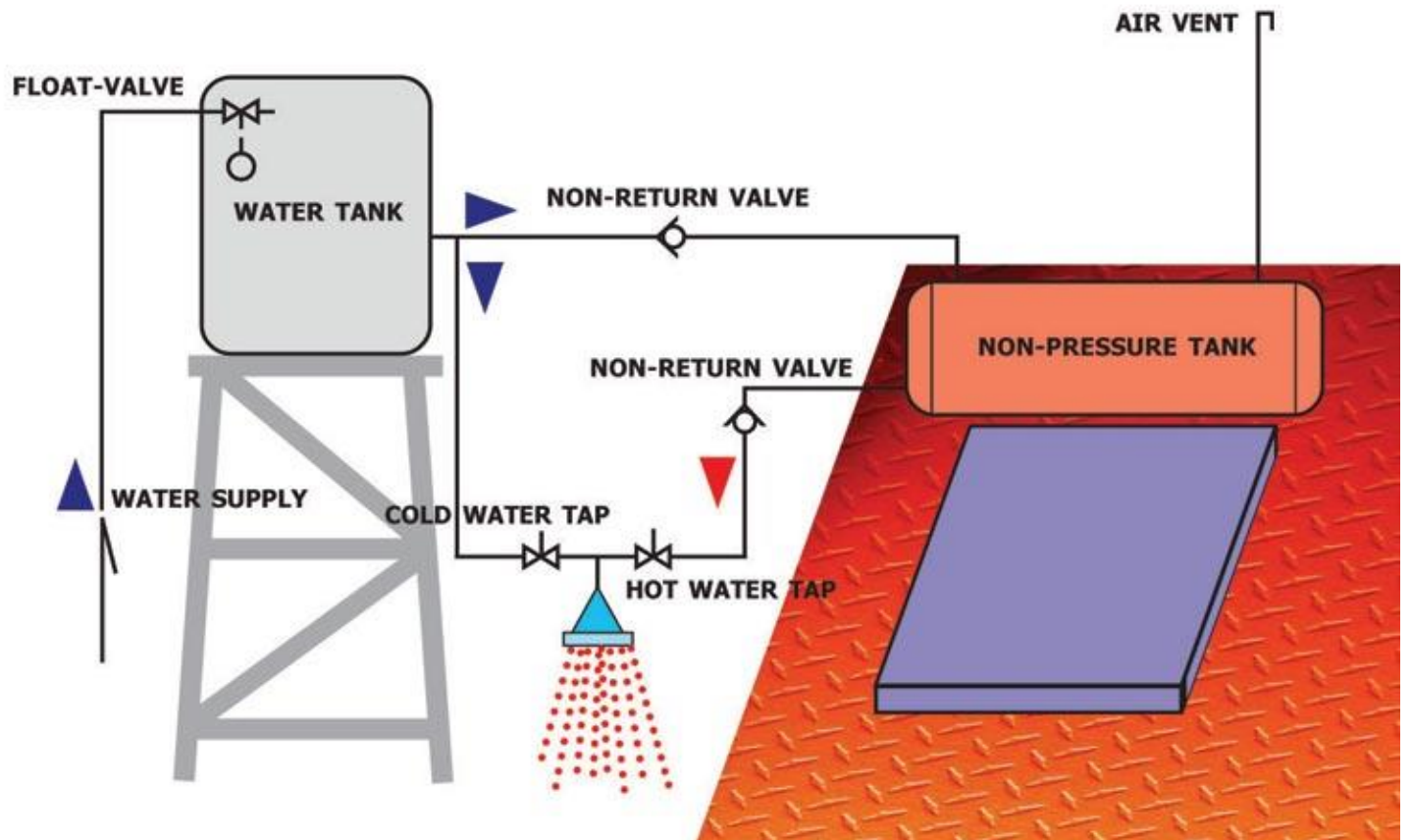
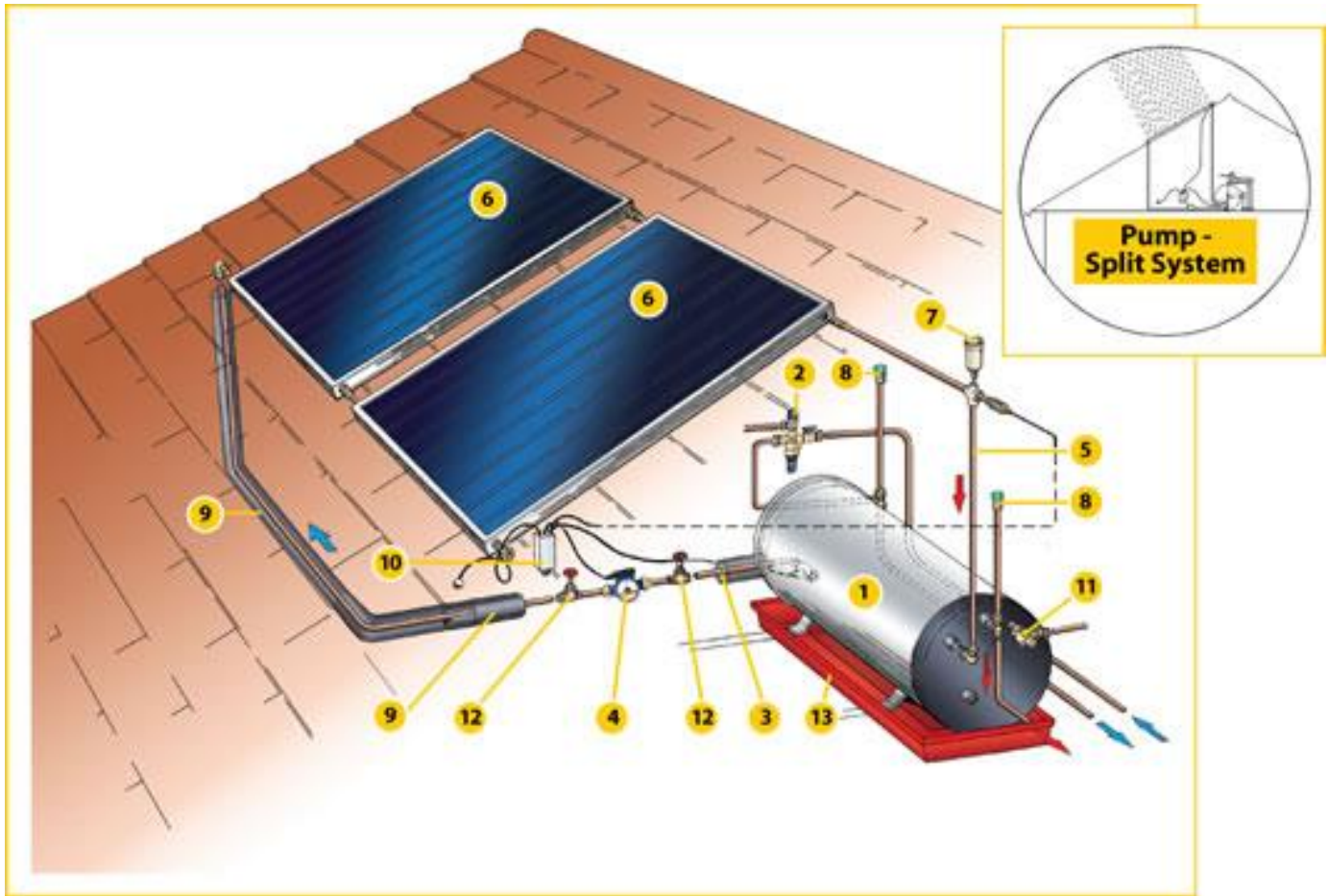


SOLAR HEAT COLLECTOR PANELS (RETROFIT ON EXISTING GEYSER)(GEYSER IN ROOF)

1. WORKING PRINCIPLE & FLOW DIAGRAMS



- I. Use your existing geyser as a storage tank
- II. Pump the cold water from the geyser with a 12 volt DC Circulation pump (run off a 10 watt solar panel) or 24 volt DC pump if the pump head is higher.
- III. To the heat collector panel where the sun heats up the water
- IV. The hot water then flows back to the geyser
- V. The pump displaces 6 liter per minute, thus 360 liter per hour
- VI. The water is circulated through out the day and keeps on heating up
- VII. A geyser controller can be fitted that uses your existing element as a backup. It can be set to for example only go on if the water temperature at 4PM is lower than 60 degree.
- VIII.



Hailstone-resistant toughened mistlite low iron extra clear tempered glass, increase light transmittance and allows the passage of low incidence angle rays.

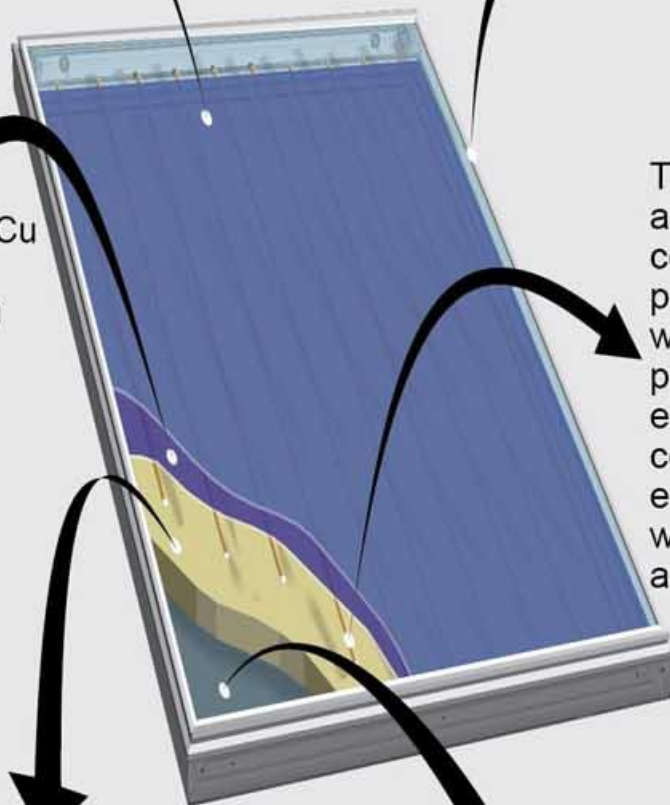
Safe and elegant designed anodized aluminum profile, guarantees strong and durable structure.

Absorber: [BlueTEC](#)
Material: SF-Cu, OF-Cu, E-Cu
Surface: Eta plus coating
Thickness: 0.12mm - 0.3mm
Absorber emittance: 5%
Absorber absorption: 95%

The harp-like arrangement of the copper piping and its proper connection with the absorber plate (laser welding) ensure perfect collection of the heat energy from the whole absorber area.

Insulation & thickness:
*PF Resins foaming, with aluminium sheet reflector
*Rock wool
– 20 mm on side walls
– 20 mm underneath absorber.

The bottom of the collector is made of galvanized steel sheet, thickness: 0.4mm







Features



Hailstone-resistant toughened mistlite low iron extra clear tempered glass, increase light transmittance and allows the passage of low incidence angle rays.



Each plate core passes through the strict high pressure leak test; to make sure the stability of collector's work.



Collector adopts Bluetec *Eta plus coating absorber, which has high heat exchange efficiency ability.



Insulation adopts high density PF Resins foaming with aluminum sheet reflector; improve system's ability of long time heat preservation.

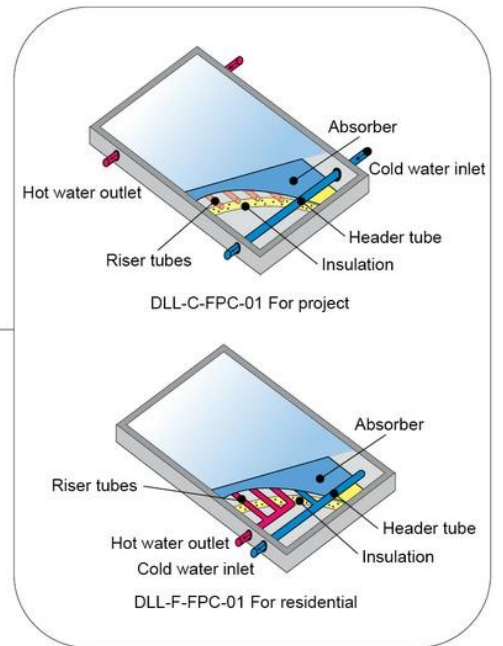


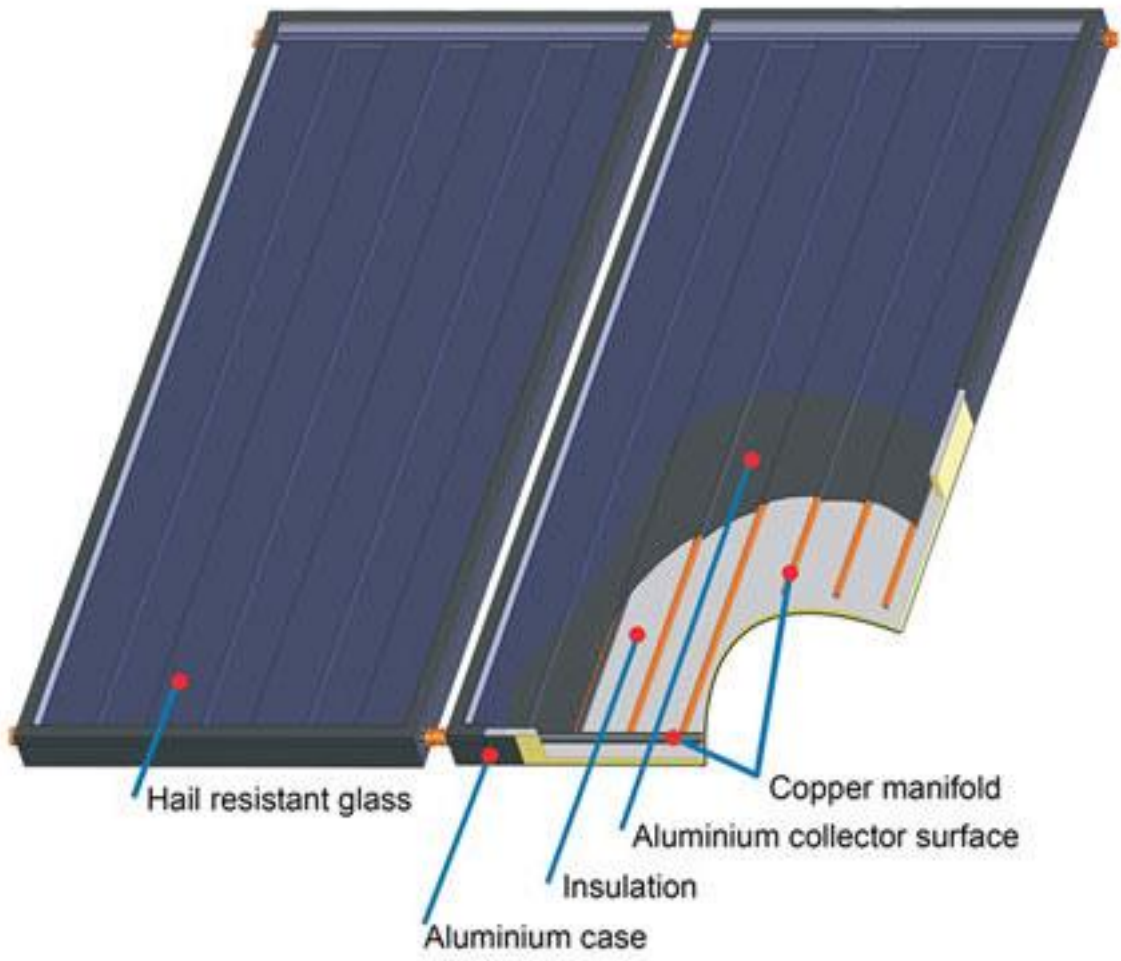
Safe and elegant designed anodized aluminum profile, guarantees strong and durable structure.



With rational designed bracket, collector and collector can be joined for commercial project or combined with residential hot water system on balcony or roof.

DLL-C-FPC Flat plate solar thermal collector

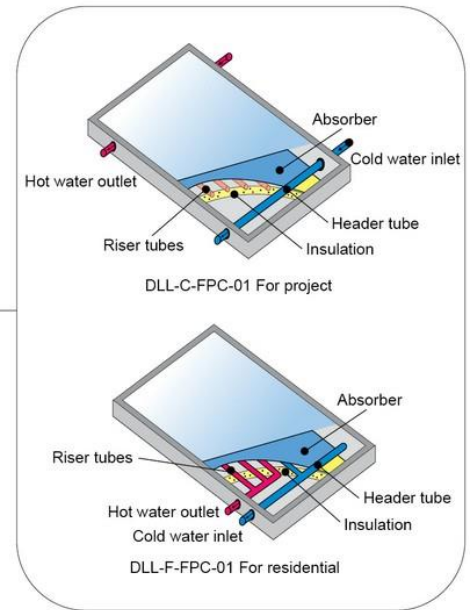






2. SPECIFICATIONS

DLL-C-FPC Flat plate solar thermal collector



Advantages(Solar hot water system)



Pressurized and automatically working, hot water with pressure make you comfortable when you have bath.



Medium circulation, have good anti-freezing and prevent evaporation ability, also avoid blockage in the pipe because of the pipe scale.



Multifunction: Bathing, washing, domestic heating etc.



Centralized water supply, designed for commercial solar water heating applications, such as swimming pool, hotel, school, hospital and so on.



Low operating cost, one-time investment thus saves lots of expenditure.



Easy installation and maintains.