To be read in conjunction with Technical Notes

SoP

Prepared by X Ji

## **East/West Solar installation**

## Description

If a South facing aspect is not available, an East West Solar Thermal installation is a good alternative.

Solar Thermal Flat Plate Collectors or Evacuated Tube Solar Thermal Collectors provide heat to a twin-coil hot water cylinder.

The existing boiler provides backup heat for when there is insufficient solar gain.

An immersion heater on a timer provides weekly high temperature sterilisation to prevent legionella.

## Components

ΙH **Immersion Heater** CP Circulating Pump CA Heat Pump Controller

S1 Temp Sensor IT

**Immersion Timer** P1 **Heating Controls** 

Т Temp Gauge

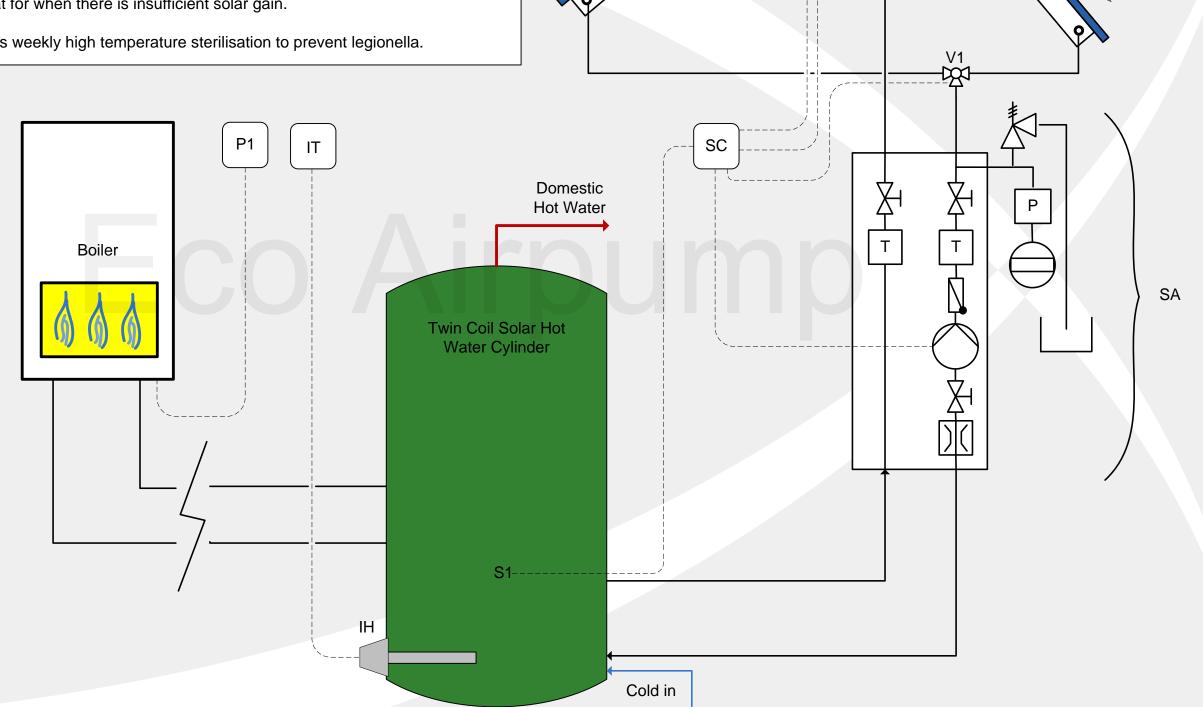
Р Pressure Gauge

SC Solar Controller

Solar Panel or Tubes SoP SA Solar Pump Station and

Safety Assembly incl

- 1. Isolation Valves
- 2. Temp Gauges x2
- 3. Non Return Valve
- 4. Pump
- 5. Flow Setter
- 6. Pressure relief valve
- 7. Solar Expansion Vessel
- 8. Fluid Catch Container
- V1 Three Way Valve



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