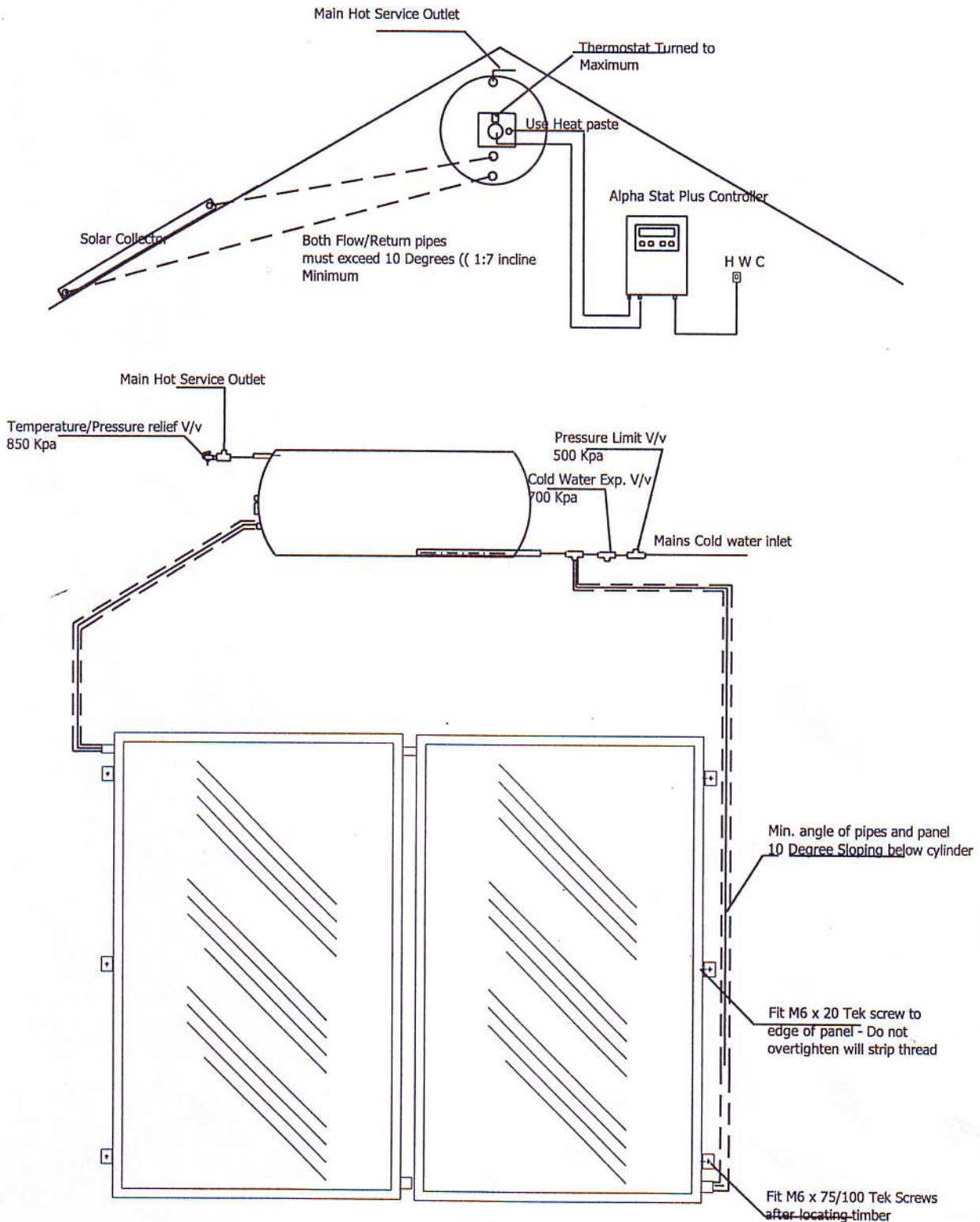


# Thermosyphon ( Passive)

Normally these are installed in high pitched roofs where the storage cylinder is mounted inside the highest point of the roof and the solar panels are mounted outside on the roof at a lower level. The flow and return pipes from the cylinder each need to be installed with minimum of a 10 Degree slope to allow the water to thermosyphon with no resistance.

No circulating pump is required as the cold water flows down by gravity to the bottom of the solar collector - heated by the sun's rays - then rises up through the collector then back to the centre of the cylinder by natural convection. In the cylinder the hot water rises to top ready for use. The structure of the roof may require strengthening to accommodate the extra weight of the cylinder/water in the roof space.



280 Litre Cylinder Mains pressure -Thermosyphon  
Collector Panels 2 off 2400 mm x 1200 mm