



10/30/08

ADDENDUM FOR SUNSIPHON SYSTEMS:

INSTALLATION CHANGES AND ADDITIONS.

1. A PRESSURE RELIEF VALVE RATED AT 80 KPa (12 PSI) IS TO BE INSTALLED ON THE GLYCOL LOOP CIRCUIT IN PLACE OF THE VENT PLUG (PART # 14 IN THE SUNSIPHON MANUAL)
2. THE TEMPERATURE-PRESSURE RELIEF VALVE (PART # 4) THAT ATTACHES TO THE BRASS TEE ADAPTOR (PART # 3) IS NOW RATED AT 125 PSI (WATTS 100XL - 125).
3. A THERMAL EXPANSION TANK IS INCLUDED WITH THE SUN SIPHON SYSTEM. THE EXPANSION TANK IS TO BE INSTALLED ON THE COLD WATER SUPPLY TO THE SUNSIPHON TANK AND SHOULD BE AT LEAST TWO FEET FROM THE SOLAR TANK CONNECTION PORT. AN INSTALLTION / MAINTENANCE MANUAL IS INCLUDED WITH THE EXPANSION TANK.

PROCEDURE: DETERMINE THE WATER PRESSURE IN THE BUILDING USING A PRESSURE GAUGE (AT WATER HEATER OR FIXTURES) RECORD THIS PRESSURE. THE EXPANSION TANK'S AIR CHAMBER NEEDS TO BE PRECHARGED TO THE RECORDED BUILDING'S PRESSURE USING AN AIR PUMP AND AIR PRESSURE GAUGE.

NOTE: NORMAL BUILDING WATER PRESSURE IS BETWEEN 45 - 65 PSI. THE PRESSURE REDUCING VALVE MAY NEED REPAIRS OR REPLACEMENT IF THE PRESSURE IS HIGHER THAN NORMAL. CONSULT SUNEARTH IF HIGH PRESSURES EXIST. INSTALL TANK PER MANUFACTURER'S MANUAL AND AT LEAST TWO FEET AWAY FROM HEAT SOURCE (SOLAR TANK). REGULAR MAINTENANCE CHECKUPS ON THE PLUMBING SYSTEM'S VALVES AND SUNSIPHON SYSTEM ARE RECOMMENDED. CONSULT SUNEARTH INC. WITH ANY QUESTIONS CONCERNING INSTALLATION OF THE SUNSIPHON WATER HEATING SYSTEM.