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## INSTALLATION STEPS

FAILURE TO FOLLOW THESE STEPS MAY RESULT IN DAMAGE & VOID YOUR WARRANTY:

- 1) **PLUMBING THE TANK:** refer Owner's Manual, use approved non-return stop valve, pressure limiting valve to 500kPa (complying with AS1357), line strainer (recommended), drain cock, expansion control valve (if required by local authority), tempering valve (50 deg C as per plumbing code)
- 2) **LOCATE THE HEAT PUMP** away from combustible material, 200mm clear air on inlet, 1m clear on outlet
- 3) **CAREFULLY UNWIND** the copper refrigeration pipes on the Heat Pump; **AVOID KINKING** the pipes
- 4) **REMOVE THE LOWER COVER ON THE TANK**, find the two male refrigeration pipe couplers; you may need to gently pull them out from the tank if you find them difficult to access
- 5) **CAREFULLY ALIGN THE MALE & FEMALE COUPLERS BEFORE TIGHTENING**, misalignment can cause rupture or displacement of the O-Ring seal, causing refrigerant leakage & defective performance
- 6) **ENSURE THE COUPLING NUTS ARE FULLY TIGHTENED USING TWO SPANNERS**, one on each half of the coupling then draw the coupling halves together tightly; you will feel some resistance when the metal diaphragms are punctured to facilitate refrigerant flow; keep tightening until you **FEEL THE SEALING RING FULLY SEATED** otherwise gas will leak under the high operating pressures
- 7) **CONNECT THE THERMOSTAT POWER LEAD FROM HEAT PUMP TO TANK** by connecting the blade terminals on the thermostat & the earth wire to the earth screw located under the **UPPER TANK COVER**, then connect the power lead to the Heat Pump terminal strip; a wiring diagram is located inside the plastic side cover of the Heat Pump (a detailed wiring diagram is located under Heat Pump lid for maintenance)
- 8) **OPEN THE TWO GAS FLOW VALVES AT THE BASE OF THE HEAT PUMP** by removing the protective cap, then using a 5mm hex key, turn the large valve approx 6 **TURNS** anti clockwise, & the smaller valve approx 2.5 **TURNS** anti-clockwise, **USE SOAPY WATER ON THE COUPLERS TO CHECK GAS LEAKS**
- 9) **FILL THE TANK WITH WATER**
- 10) **PLUG IN THE POWER LEAD** to a 10 amp outlet then **TURN ON THE POWER**, or ask your electrician to hard-wire the power lead to Off-Peak power if available in your area
- 11) If you are connecting the Solarstream to a **RING MAIN**, we recommend regulating the Solarstream's operation electronically either by connection to Off-Peak power or fitting a timer to the power supply, use the Ring Main return port available only on the 327 litre tank, located 1 metre from the ground
- 12) Pre-charged extension kits are available: 1.5m, 3m, 5m & 7m in length & less than 5m high from ground
- 13) Heat Pump noise is minimized if there are absorptive materials or open space around the Heat Pump
- 14) If malfunction, **DO NOT OPEN LID OF HEAT PUMP**, check the FAQ section on website, or call Dealer from which you purchased your unit or Siddons Solarstream Pty Ltd, refer [www.siddonssolarstream.com](http://www.siddonssolarstream.com)