February 2010

PRODUCER STATEMENT

The SUNRIVER evacuated tube solar collector has been constructed to comply with the following clauses of AS/NZS 2712:2007

Section 2 – General Design Requirements
2.2 – Materials in Contact with Drinking Water, when components comply with AS/NZS 4020
2.3 – The Collector is designed to meet the hazard, loading and fixing requirements when installed in accordance with the principles of Dept of Building & Housing clause G12/AS2
2.5 – Complies when connecting copper pipe work is installed in accordance with AS/NZS 3500.4, and exposed insulation is weather resistant.
2.6.1- Complies when a pressure relief system designed to prevent the pressure in the hot water cylinder exceeding the cylinder rated pressure and temperature is installed. The operating temperature of an unvented water heater shall not exceed 99 C. The collector has been tested to 1000 kPa.
2.6.2 – Complies when TPR, CWE and PRV ratings exceed 5.75 kW and unvented collectors are fitted with expansion control valves
2.7 – Unvented systems comply when the supplementary heater is fitted with an over temperature protection device to AS/NZS 60335.2.21 or for gas, equivalent to AS 4552
2.8 – Complies when Electric supplementary heating complies with AS NZS 60335.2.21 and Gas supplementary heating complies with NZS 5262

Section 3 – Containers
3.3 – Containers are to be clearly and indelibly marked with sufficient information to comply with the AS/NZ2712:2007 Standard clause 3.3

Section 4 – Collectors
4.2.2 - Fluid ways of absorbers are constructed of copper tube to NZS 3501
4.3.1 - Thermal insulation of collector
4.3.2 - Collector casing is constructed of powdercoated electrogalvanized steel.
4.3.3 - Sealing materials
4.3.4 – Evacuated tube collectors are adequately supported and secured, readily replaceable and have vacuum loss indication.
4.3.5 – Loss of water due to glazing failure will not lead to a loss of water
4.4.1 – Securing of glazing
4.4.3 – Glass breakage. The collector has passed the impact test to appendix C
4.4.4 – Glazing weather resistance
4.5.2 – Systems with collectors designed to resist stagnation conditions. The collector has been tested to resist stagnation conditions
4.6 – Impact resistance. The collector has passed the impact test to appendix C
4.7 – Protection against ingress of water. The collector has passed the water ingress test to appendix D
4.8 – Protection against freezing. The collector has passed the freezing test to appendix E
4.9 – Structural requirements. The collector has adequate means of support when installed in accordance with the principles of Dept of Building & Housing clause G12/AS2

500 Rangitikei Street I Palmerston North I Phone 06 350 1350 I enquiries@steelfort.co.nz I www.steelfort.co.nz

Section 5 - Heat Exchangers
5.2 - The heat exchanger within the hot water cylinder is designed to ensure the heat transfer fluid does not contaminate the drinking water.
5.3 – Heat transfer fluid, when installed in accordance with the specifications in the Sunriver installation manual, shall be non toxic and coloured to indicate any leakage into the hot water cylinder.
5.4 – The heat exchanger within the hot water cylinder is constructed of materials compatible with the heat transfer fluid, and pressure tested.
5.5 – The hot water cylinder is marked and instruction supplied regarding the servicing to be carried out with the heat transfer fluid.

Section 6 - Circulating Pump
6.2.1 – Construction. The Wilo Star Z 25/6 pump does not create excessive noise or vibration and the copper alloy components are dezincification resistant.
6.2.2 – Collector Circuit flow rate. The variable speed feature of the pump and the Adjustable flow meter enable the flow rate to be adjusted to 30 litres/hr.sq m of collector area.
Controllers
6.3.1 – The SolaStat – Plus controller complies with
Water resistant enclosure version available where applicable (IP55)
External relay (SolaStat Rly) for ripple control to supplemental heating
Advanced 'holdoff" function for solar precedence
6.3.2 – Covered in the Instruction Manual

Section 7 – Solar Water Heater Systems
7.3 – Air Vent. A suitable automatic Air vent shall be fitted at the highest point of the collector

Ron Sanders

Design Engineer

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