

## SWH CONFORMITY REPORT

Summary of test results for the Solardome SA direct 300 Lt domestic solar system in accordance with SANS 1307 and SANS 6211-1

**Report Number: ZS002**

**Validity: 19-08-2008**

This is not a SABS approved product; it has only been tested by the SABS.

SAMPLE INFORMATION:		
Manufacture	Solardome SA	
Suppliers Contact details	Tel: 021 8866321 Fax: 0218865121	
Water storage tank	300 Lt	400 KPa
Type of System	Direct cant withstand frost	
Type of operation	Thermal siphon	
Type of Tank	Direct tank	
Type of Collector	Flat plate 10 x 9.53 mm copper risers	
Heat transfer fluid	Not applicable	
Collector Aperture Area m <sup>2</sup>	2.21m <sup>2</sup> x 2	
Collector Size	2.3m <sup>2</sup> x 2 (10 x Cu tubes 9,53 mm x 1.71m length)	
Weight of full system	460 kg	
Q factor	33.96	At 15 MJ/m <sup>2</sup> with temperature difference of 10°C
Q factor	35.462	At 16 MJ/m <sup>2</sup> with temperature difference of 10°C

Compliance to this section is Compulsory	
Element <sup>#</sup> Kw	SANS 198 4 kW Kaytherm
Pressure Control Valve <sup>#</sup>	SANS 198 400 kPa, Apex
Safety Valve <sup>#</sup>	SANS 198 400 kPa Cobra
Vacuum breaker <sup>#</sup>	SANS 198 Cobra
Drain Cock <sup>#</sup>	SABS 1808-53 Cobra
<b><sup>#</sup> Needs to be tested to a national standard</b>	

	Tests conducted:	Specification, Clause	Result:
1	Stagnation test (Exposure Test)	SANS1307- 5.2	Complied
2	Rain Penetration	SANS 1307- 4.11.1	Complied
3	Hail Test: 11J ±1J	SANS 1307- 4.11.2	Complied
4	Freeze Test	SANS 1307- 4.11.3	Not Applicable
5	250 000 Pulsation test	SANS 1307- 4.11.4	Complied
6	Marking	SANS 1307- 6.1	Complied
7	Thermal performance- Q factor	SANS 6211-1 5.5	Complied
8	Heat loss	SANS 6211-1 5.7	Complied
9	Fixed electric storage water heaters	SANS 151	Report PER/AA1077B
10	Safety of household and similar electrical appliances – Part 2: Particular requirements for storage water heaters.	SANS 60335-2-21 SANS 1307 4.11.6	HOUS/BB0088A
11	Production standard	ISO 9001	
	Remarks:		

This information was supplied by the supplier.  
This document does not imply in any way that the system is SABS approved.

