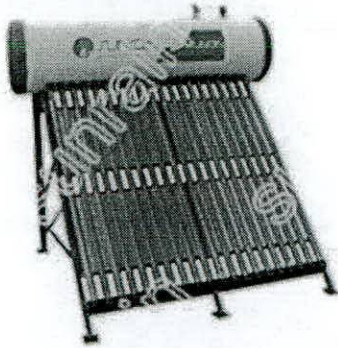
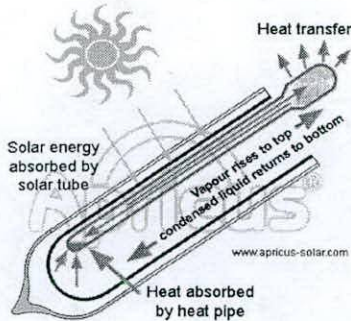


ALPHA COMBO - TANK AND TUBE



- 1) Inner tank: stainless steel--1.2mm. SUS316L
- 2) Vacuum tube: QB-AL-N/AL-58-1800 QB-AL-N/AL-47-1500.
- 3) Outer tank: painted steel - 0.4mm;stainless steel SUS304-0.4mm.
- 4) Frame: coated galvanized steel-1.5mm;stainless steel SUS430- 1.5mm.
- 5) The masterial of insulation : polyurethane 50mm.
- 6) The reflector: aluminum component; AL99.85% surface oxidation

Heat pipe condensor diameter is 24mm, length is 90mm , bigger and longer than any othe condenser for collecting and exchanging more heat faster



- ✓ The Heat pipe condensor surface is nickel coated copper and silver in color
- Has a highest heat resistant temperature to 300 deg C
- ✓ Lowest resist temperature to be -40 deg C
- ✓ Copper powder is inside the heat pipe compared to old technology of anti freeze
- ✓ To give 100% heat exchange from the condenser to manifold for maximum performance dab heat paste grease equally on the surface of the condensor
- ✓

TYPE	PIPE SIZE	PIPE LENGTH	QUANTITY OF TUBES	TANK VOLUME	GROSS WEIGHT	TRADE PRICE GST INCL	RRP
Alpha Combo TT TZ58/150-15	58 MM	1800MM	15	150	210		
Alpha Combo TT TZ58/200-20	58 MM	1800MM	20	200	271		
Alpha Combo TT TZ58/250-25	58 MM	1800MM	25	250	325		
Alpha Combo TT TZ58/300-30	58 MM	1800MM	30	300	390		

alpha solar
Clean Green Affordable

Tasman District Council
BUILDING CONSENT AUTHORITY
APPROVED

1 FEB 2013

BUILDING CONSENT

ALL WORK IS TO COMPLY WITH THE NZ BUILDING CODE
DO NOT MAKE CHANGES WITHOUT PRIOR APPROVAL

Contact your local Alpha Solar NZ Supplier

Alpha Solar NZ Ltd PO BOX 13384 Tauranga
Phone +64 7 5745894 Fax +64 7 5745854

Website : alphaenergy.co.nz Email : tony@alphaenergy.co.nz



Solar water heating installation compliance..Installer statement

Name of Local authority... TASMAN DISTRICT COUNCIL

Building Consent number... B.C. 130052

Producer statement issued by... HAYS PUMPSING LTD

Address of installer... 14 KING EDWARD ST

Telephone number of installer... (03) 5287744

Product and model number installed... ALPHA SOLAR ENERGY T258/1800-20C

Suppliers details... ALPHA ENERGY TAURANGA

Registered plumber... P. HAY Rego number... 204384 / ECLA ID 13

Registered Electrician..... Rego number.....

Address of installation... 232 MOTUEKA VALLEY HIGHWAY RD 1 MOTUEKA 7196

Location of Installation.....

Owner of installed system... MR T. T. DURN

Property description..... Lot 2 DP 438410 PART SEC 1 of 32 BUE - VII MOTUEKA RD

The system has been installed that it meets the requirements of the NZ building code , any plumbing has been installed to meet the requirements of AS/NZS3500.4

Registered plumber to sign..... Dated... 1 / 20

The solar water heating described above has been installed on a dwelling on the named property in accordance to the Code of Practice for manufacturing and installation of Solar Water Heating systems and fulfils the requirements for a Building Consent , the system has been located according to the provided drawings upon applying for a building consent. The location is suitably placed over a load bearing wall should it be needed. Roof strengthening to support the solar water heater is not required under normal circumstances and therefore it meets Approved document B1 of the New Zealand Building Code.

The installation has been done in tandem with a Product instruction manual supplied by Alpha Solar NZ Ltd , all or most Alpha Solar installers have completed the Solar Installers course at Wintec in Hamilton.

I certify that I have been appropriately trained in the installation of the said product by the product supplier and operate under that suppliers accreditation. As an independent solar water heater installer I am covered by Professional Indemnity Insurance to the value of \$... DM





Alpha Solar NZ Ltd statement to local authorities

Name of city council..... *TASMAN DISTRICT COUNCIL*

This statement is to confirm that Alpha Solar NZ Ltd is an accredited and certified supplier for solar water heating systems in New Zealand by EECA (Energy Efficiency Conservation Authority) this statement covers >

The Alpha KT collector that is designed and manufactured in Italy by KLOBEN and
The Alpha HP collector that is designed and manufactured in China by SUNRAIN

Both the Alpha KT and the Alpha HP Products comply to

- AS/NZS2712:2007 solar and heat pump water heaters
- NZS4631
- Code of practice for manufacturing and installation purposes

System testing reports for both KT and HP by **Applied Research Nelson**

- KT test report number 11/2414
- HP test report number 10/2217

Installation in accordance to >

- NZBC G12/AS2 – Acceptable Solutions G12/AS2 for solar water heaters
- AS/NZS 3500.4 Plumbing and Drainage , part 4 – Heated water services
- Code of Practice for manufacture and Installation of SWH systems in New Zealand

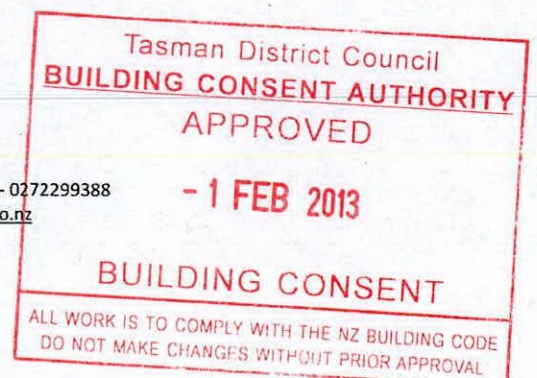
Impact resistance compliant to >

- As per AS/NZS 2712:2007 section

Durability and reliability compliant to

- As per AS/NZS 2712:2007 section

ALPHA SOLAR NZ LTD – PO BOX 13384 – TAURANGA CITY – 07 5745894 - 0272299388
www.alphaenergy.co.nz - Contact TONY- tony@alphaenergy.co.nz





Product	Warranty Period
CPC Solar Collectors	7 years
Hot Water Cylinder	5 years
Expansion Vessel	" 3 years
Solar Station (controller + pump and other fittings)	" 3 years, 1 year
Pump Controller Kits	" 1 year
Insulated Glass Tube	" 7 years
Stand	" 3 years
Other Plumbing Fittings and Valves	" 1 year

Any claim under the warranty shall be subject to the following conditions:

1. The defect has been notified in writing to the office of Alpha or the distributor or installer of the product within the relevant warranty period.
2. The warranty period commences from the date of purchase of the product purchase.
3. Supply of proof of purchase and warranty registration on request.
4. Alpha has determined that the claim is a genuine product defect and is not caused by:
 - a. any work carried out on the product by someone other than an authorised installer or distributor;
 - b. accidental or deliberate damage caused to the product by any person or event;
 - c. continued operation of the product after it is known to be defective;
 - d. the fitting of parts or accessories to the product not supplied or approved of by Alpha ; or
 - e. misuse of the product or the system of which it forms part other than in accordance with the User's Manual.

Installation

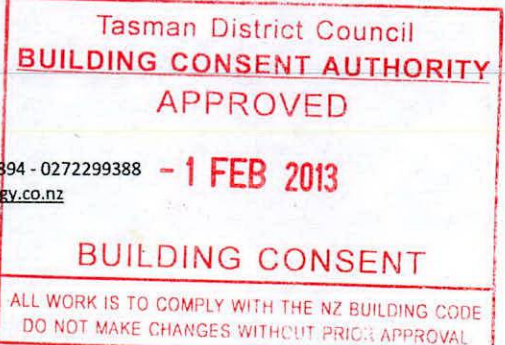
Alpha provides a separate warranty on the installation work for the system comprising the products for a period of 12 months following the installation date that the system will operate in accordance with its specifications. This warranty is subject to the installation work being carried out by an approved installer and full payment being made for such work.

This Warranty does not include:

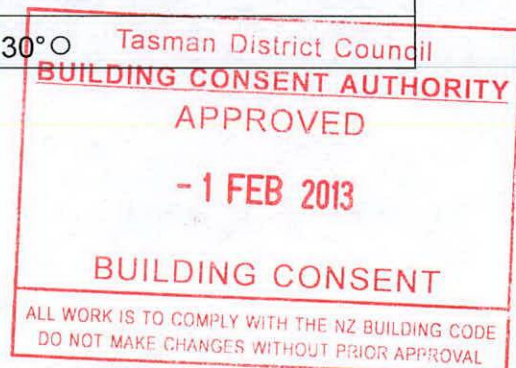
1. The transportation cost of repaired or replacement parts.
2. Labour costs for repairs.

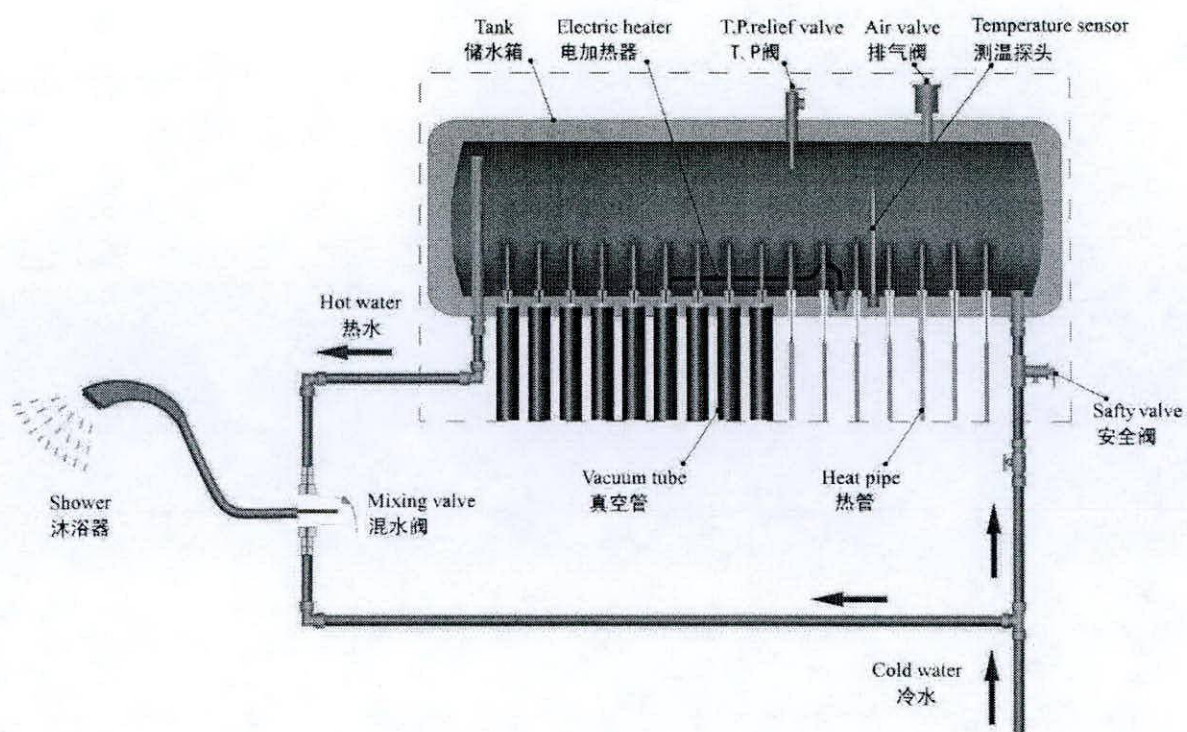
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- 1 FEB 2013



	TZ58/1800-15C	TZ58/1800-20C	TZ58/1800-25C	TZ58/1800-30C
GENERAL PARA.				
absorbing area (m2)	2.082	2.788	3.558	4.142
working pressure (bar)	4			
ambient temperature	-30-60 °C			
daily efficiency	≥55%			
empty weight (kg)	65	78	96	120
loading qty (20/40/40HQ)	45/90/102	40/80/88	32/64/72	26/52/60
STORAGE TANK				
capacity (L)	150	200	250	300
outer material (mm)	painted steel 0.4mm • stainless steel 0.4mm ◦ galvanized 0.4mm ◦			
inner material (mm)	stainless steel 316 1.2mm			
insulation	PUF			
electric heater	●			
T/P valve	T=90°C, P=4bar			
relief valve	4 bar			
nipple size	1/2"			
feeder tank	-			
welding	●			
reflector	●			
controller	○			
tank packing size (mm)	1630*560*560	2050*560*560	2480*560*560	2900*560*560
VACUUM TUBE				
size	58/1800mm			
tube qty	15	20	25	30
tube packing size (mm)	1880*330*250			
FRAME				
material	galvanized • stainless steel ◦ aluminum ◦			
inclined roof	-			
angle	45° ● 30° ○			





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