

## CHROMAGEN THERMOSIPHON SOLAR HOT WATER SYSTEMS



The **Chromagen Thermosiphon Solar Hot Water Systems** provide unlimited free energy for 75% of your annual hot water needs.

Our systems are EECA Accredited and are eligible for the \$1000 Government subsidy.

Refer to [www.solarsmart.co.nz](http://www.solarsmart.co.nz)

### Ultimate Performance and Quality

Our range of Solar Hot Water Systems are highly efficient, attracting Government subsidies, and are designed to encourage New Zealanders to utilise our abundant solar energy resource.

Chromagen warranties of up to seven years are testament to the quality of the products we manufacture. The durability of the system components combined with ultimate efficiency result in solar systems with short pay back periods and many years of investment return.



### Chromagen – Global Leaders

Chromagen is a global leader in the solar hot water industry. Founded in 1962, we have designed and manufactured a method of solar energy absorption, transfer and storage so advanced and effective that we can boast of having over one million satisfied customers in over 40 countries around the world.

### AS/NZS 2712 Compliance

All systems comply with the requirements of AS/NZS 2712

## SOLAR SYSTEM CONFIGURATIONS

Type	Tank Size	Solar Collector Size*	System Reference	
			ECO RANGE	PREMIUM RANGE
Small Household	150 Litre	1 x 2.2 sqm	ECO1522T	PRM1522T
Average Household	200 Litre	2 x 1.5 sqm	ECO2030T	PRM2030T
Large Household	300 Litre	2 x 2.2 sqm	ECO3044T	PRM3044T

\*note: solar collector area may need to be adjusted to ensure optimum performance.

### Natural Thermosiphon

Hot water rises the same a hot air does, so the hot water storage tank is located at the highest point on the roof above the solar collector panel. Cooler water falls to the lowest point which is at the bottom of the solar collector. When the cool water is heated by the sun's energy it rises naturally up to the storage tank. While the sun keeps shining the water continues to circulate getting hotter and hotter. In the evenings or when raining the circulation stops and the hot water is stored in the tank. No pumps, no moving parts just Mother Nature doing all the work.

## SYSTEM SPECIFICATIONS

### SOLAR SYSTEM CONFIGURATIONS

Model	Length	Width	Weight	Net Absorber Area
CR90	1820	930	35	1.5
CR100	1900	1090	42	1.9
CR110	2190	1090	48	2.2
CR120	2190	1290	59	2.6

#### Performance Options

- Eco Range– selective paint absorber coating with black galvanised steel outer casing.
- Premium Range – black chrome absorber coating with anodised T5 marine grade aluminum outer casing.

### SOLAR AND ELECTRIC TANKS WITH DOUBLE JACKET HEAT EXCHANGER

Capacity (l)	A (mm)	B (mm)	C (mm)	Weight (kg)*	Electric Element (watt)
120	1245	1185	477	74	2500w
150	1010	950	585	75	2500w
200	1270	1210	585	93	2500w
300	1420	1420	690	133	2500w, 3000w

#### GENERAL INFORMATION

(\*) Storage tanks weight refers to painted galvanised envelope and common heat exchanger size.

Tanks weight might change due to envelope type change or heat exchanger size change upon request.

