

Save With Solar Energy

Saving hundreds of dollars on your household energy bills every year while helping to save the environment makes good sense Your hip-pocket will thank you... the government will thank you... and your children and grandchildren will thank you.

Chromagen solar hot water systems use sun's unlimited free energy to provide up to 90% of your hot water.

When these savings are combined with the State and Federal Government incentives, a solar hot water system is the obvious economical choice.

Global Leader

Chromagen is a global leader in the solar industry. Founded in 1962, we have perfected the art of harnessing the sun's energy and putting it to work for you.

Our state-of-the-art solar hot water systems can be found in over 40 countries worldwide, with over a million happy customers enjoying bucket-loads of hot water free from the sun.

Our philosophy is simple – We want to provide the world with loads of hot water without depleting Mother Earth's natural resources.

Now In Australia

Chromagen Solar Australia is 100% Australian owned and our staff are dedicated experts in the solar energy field. We are committed to providing our customers with high quality products and after-sales service.

Quality Assurance

We regard quality as being critical to our success. Chromagen is an ISO9001 quality endorsed company and our wide range of solar hot water systems comply with a multitude of international Quality Standards as well as Australian Standard AS2712. That is why we can offer you peace-of-mind warranties ranging between 7-12 years.

Our Products

Our products are so efficient they attract some of the highest government incentives designed to encourage Australians to change the way they heat their water - by going solar.

What this means for you is that in effect, the government is indirectly paying for the solar components and all you have to pay is roughly the same as you would for an electric or gas guzzling conventional water heater.

The government wants you to switch to solar for environmental reasons. The big benefit for you is that you also enjoy ongoing savings of hundreds of dollars a year compared with the costs of installing and running an old technology water heater, especially electric hot water systems. Solar is the way to go.

Large Scale Systems

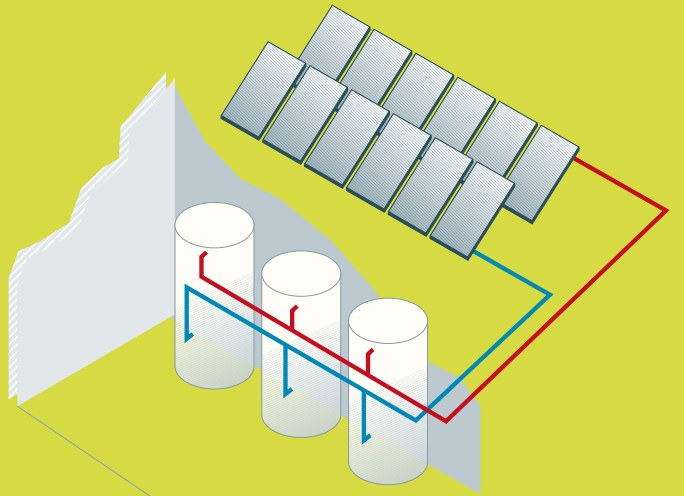
Solar Systems

You can benefit from Chromagen's years of experience in supplying large scale systems around the globe.

Chromagen has developed a range of models and configurations to answer a variety of conditions, enabling the installation of environmentally friendly, energy efficient and custom-tailored systems for all climates.

In Chromagen's large scale systems, a series of collectors supply heated water to several large tanks

These systems are suitable for hotels, hospitals, swimming pools and other commercial applications.



Gas Systems

The Eternity Commercial range is a modular system providing compact, versatile and energy efficient hot water systems for any application:

- Sporting Clubs
- Hostels
- Hotels / Motels
- Commercial Kitchens
- Aged care
- Child care

Whatever your requirement, Chromagen can recommend and design a system to deliver your needs.



SOLAR HOT WATER SOLUTIONS

SOLAR AND GAS HOT WATER

LEADERS

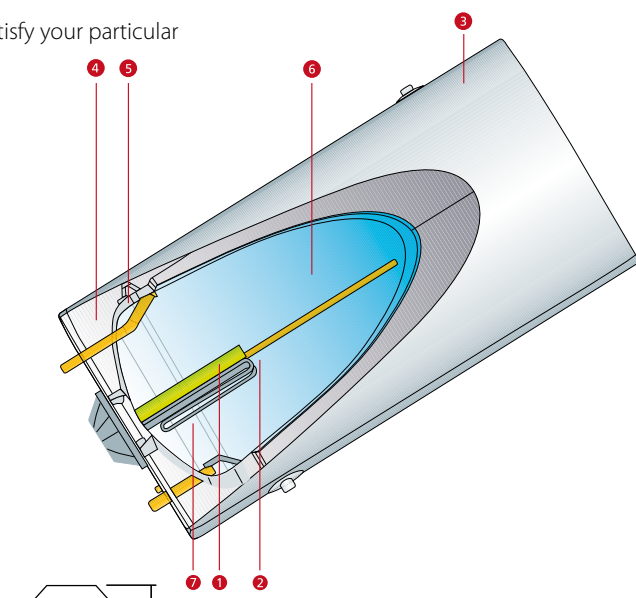


Chromagen Hot Water Tanks

Chromagen's wide selection of hot water tanks are technologically advanced for maximum efficiency, durability and safety. They come in a range of sizes from 150 to 300 litres ensuring a plentiful supply of piping hot water for the whole family.

Horizontal on-roof locations, or vertical ground-mounted solutions are available to satisfy your particular needs and conditions.

- 1. Sacrificial Anode**
For superior protection against corrosion.
- 2. Built-In Thermostat**
For convenience and safety.
- 3. External Coating**
Available in attractive baked polyester to provide extreme durability in the harshest of conditions.
- 4. Polyurethane Insulation**
Maximises heat retention and minimises heat loss for superior efficiency.
- 5. Storage Tank**
Manufactured in 3mm mild steel for maximum strength in mains pressure situations. Protects against high-tensile stress corrosion.



Specifications Hot Water Tank

Capacity	A(mm)	B (mm)	C (mm)	Weight (kg)	Electric Element
150 Ltr	1010	950	560	53	1500w, 2500w, 3600w
200 Ltr	1270	1210	560	65	1500w, 2500w, 3600w
300 Ltr	1420	1360	650	91	1500w, 2500w, 3600w

- 6. Internal Glass-Enamel Coating**
Protects against corrosion.
- 7. Energy Efficient Electric Element**
An alternative source of energy for cloudy days ensures consistent supply of hot water 24 hours a day, 365 days a year.

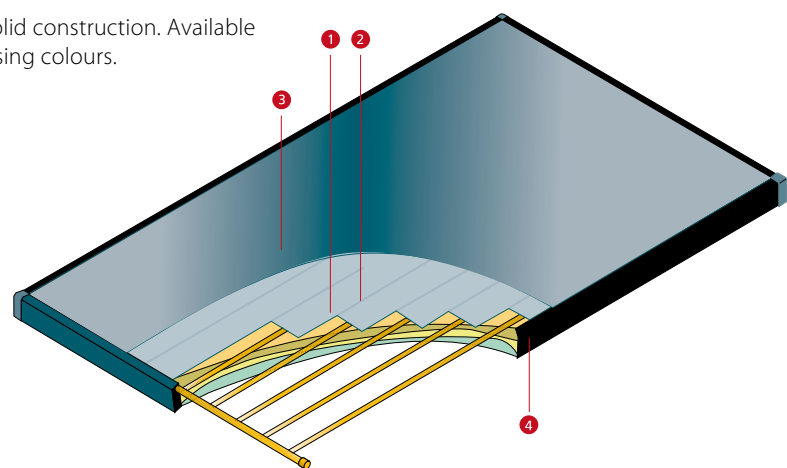
Collectors

In satisfying the most rigid requirements of European markets, there are simply no better collectors available than Chromagen's solar collectors. We offer the most advanced technology and superior design ensuring maximum sun absorption and efficiency that outperforms competing collectors. Quality materials and unique manufacturing techniques ensure a durable product that will pay for itself many times over.

Our wide range of solar collectors allow tailored cost-effective hot water solutions for a wide variety of locations and climatic conditions. From Tasmania to the Top End, we've got Australia covered. The aesthetic designs, engineered for strength and optimal performance, ensure maximum benefits from the Chromagen solar system of your choice.

- 1. Absorber Plate**
Copper fins ultrasonically welded to copper risers provide excellent heat transfer and a very high absorption rate of 95% for higher efficiency and durability.
- 2. Absorber Plate Coating**
Available in black chrome or selective solar paint. All provide a superior surface designed for excellent energy absorption even in cooler climates.
- 3. Solar Glass - 3.2mm thick**
The solar glass is patterned to reduce reflection and maximise solar transmittance. It is tempered to maximise strength and durability in severe weather conditions like hail storms.
- 4. Extrusion Casing Available in:**
Aluminium
Light weight with solid construction. Available in aesthetically pleasing colours.

- Stainless Steel**
For maximum protection in corrosive locations like coastal areas with high salt content in the air.
- Baked Enamel Finish**
Inexpensive yet durable in less harsh locations. Available in aesthetically pleasing colours.



Specifications Collectors

Model	CR-90	CR-100	CR-110	CR-120
Gross area (m ²)	1.70	2.10	2.40	2.80
Net aperture area (m ²)	1.50	1.90	2.20	2.60
Ratio Net/Gross area	0.88	0.90	0.91	0.92
Length (cm)	182	190	219	219
Width (cm)	93	109	109	129
Thickness (cm)	9	9	9	9
Weight (kg)	32	39	44	51

Thermosiphon Systems

Thermosiphon systems call on Mother Nature to circulate water through the solar collectors to the storage tank using the thermosiphon principle that hot water rises naturally. Hence, eliminating the need for circulating pumps or other moving parts. Chromagen's thermosiphon systems are the most straightforward, economically viable and energy efficient designs available. A gas or electric backup booster provides energy during cloudy weather, so you can have plenty of hot water when you need it.



- The thermosiphon system includes:**
- Solar collector(s) of your choice
 - Storage tank sized to suit your requirements
 - Connecting Kit

Tank sizes vary from 150 to 300 litres so there's a size to suit your particular needs. Depending on your location and climate you may choose an Open-Loop or Closed-Loop system.

Did You Know...?
Chromagen's thermosiphon open-loop 300 litre solar system is the most efficient Black Chrome system in Australia (*according to the Government Incentive Scheme).

Open Loop System

Suitable for warm climates

In Open-Loop Systems the water circulates through the solar collectors and is heated directly by the sun. These systems are suitable for climates that are mostly frost-free and have good water quality.

Close-Loop System

Suitable for cooler climates

Closed loop systems utilise a heat exchanger to heat the water indirectly with the sun. They are particularly useful in frost prone areas and areas with poor water quality.

Split Systems

In split systems the storage tank is usually separated from the solar collectors, with the tank located at ground level and the collectors on the roof. Consequently, a circulating pump and solar controller are utilised to ensure correct water circulation. Like thermosiphon systems, the forced circulation system is also available in open-loop and closed-loop configurations, so there is a Chromagen solar hot water system that is guaranteed to fit your particular needs perfectly.



Individual homes
A pump and control unit are utilised to ensure correct water circulation. This allows the collectors to be situated away from the tank. For example, the tank may be situated in a basement while the collectors remain on the roof.

Apartment houses
Chromagen has developed a unique solution for apartment houses to ensure hot water around the clock. Each apartment has an individual tank with all the tanks connected to a central collector cluster. A pump ensures continuous water circulation of hot water to each apartment.

Did You Know...?
With the aid of government incentives you can install a 300 Litre Chromagen solar water heater for around the cost of a replacement electric system

Eternity continuous gas water heaters

Finally
At last someone got it right - instant, never ending hot water 24 hours a day, 12 months of the year, whenever you turn on the tap. That's the promise we provide you, with the new Eternity series range of Gas water heaters.

21st Century technology
Whether operated through a Chromagen mixing valve, or matched with our optional digital control touch pads, the Eternity range of continuous flow gas water heaters are able to provide enough temperature controlled hot water to service up to three bathrooms.

Once set, your hot water remains at a constant temperature with no need for mixing cold water. This means both convenience and safety for your family, particularly for young children and the elderly.

Continuous savings
Your new Eternity series not only has an energy efficiency rating in excess of five stars, it only uses purchased energy when required, as it only heats the water when you need it. This adds up to substantial savings when compared to those old money guzzling storage systems that require a pilot light. No more money going up in flames. With the Eternity touch pad option, you control the water temperature and subsequently control your savings and reduce your gas bill.

Add a sprinkle of sunshine
Chromagen is a global leader in the field of solar water heating. So naturally, the new Eternity series has been designed to be utilised with our entire range of technologically advanced solar systems.

Your new Eternity series can be utilised with most mains pressure solar water heaters available on the market today. However, when matched with either a Chromagen, or Solar First solar water heater they really shine, with savings of up to 90% or more on your gas hot water bills.

World class customer care
Your Eternity series is backed up with a 24 hour customer service network, all of whom are just a phone call away. All our domestic systems are covered by a 10 year heat exchanger warranty and three years on all parts and labour. For further information on our customer protection plan, we always recommend you read the comprehensive information manual we supply with every Eternity series system.

(Chromagen's commercial warranty applies for commercial applications)

Models:	Eternity G16	Eternity G20	Eternity G26
Gas Input MJ/h	125	160	200
Water Inlet Pressure kPa	260 min. 1200 max.		
Dimensions mm	H:575 W:350 D:165	H:575 W:350 D:165	H:575 W:350 D:170
Weight Kg	16	16	17
Gas Connection mm	20 BSP		
Water Connections	15 BSP	15 BSP	20 BSP
Ignition	Electronic		
Gas Type	Natural Gas/LPG		
Electrical Supply V	240AC		
Energy Ratings	5.2 Stars	5.2 Stars	5.8 Stars

Safety and reliability is our priority
Your compact new Eternity series is provided with full flame protection for total peace of mind. Plus, with our ingenious temperature sensing technology, your Eternity series is able to protect itself from damage in frost prone areas.

Your local Chromagen representative is able to provide expert advice on the correct Eternity series system for your needs.

Eternity touch pad controllers
Your new Eternity Series Gas water heater can be fitted with optional controllers to allow you to set your own preferred water temperature and allows you to take full advantage of the technological features inbuilt in your new system. Just some of the reasons for installing at least one Eternity controller are –

- Child safety. With preset temperatures at all taps, your children will be safe from being scalded by hot water, as will the elderly.
- They're simple to use. In no time, your family will be tailoring your water controllers to suit each individual's needs.
- With your shower preset to your desired temperature, you don't have to worry about those 'cold shocks' in the shower when someone turns on another hot water tap, or a spike in temperature if someone flushes the loo.
- You'll be saving water, as there's no need to 'jiggle' the hot and cold taps to attain your desired temperature – simply turn on the hot water tap and enjoy.



- 10 year heat exchanger warranty
- 3 years on all parts and labour
- 5½ Stars energy rating
- Continuous hot water flow