

A dynamic background of splashing water in shades of blue and white, with numerous droplets and ripples. The water appears to be moving from the top and bottom edges towards the center, creating a sense of motion and freshness.

**HYDR**  **THERM**<sup>TM</sup>

The logo icon is a stylized circular emblem composed of two interlocking, curved shapes. The left shape is blue and the right shape is red, meeting at a central point to form a circular void. The overall design is clean and modern, suggesting a focus on water and energy.



**AN  
INNOVATION  
IN**

**SOLAR  
HOT  
WATER**

# HYDR THERM<sup>TM</sup>

## HIGH EFFICIENCY

Save up to 80% off your heating costs

## 300 LITRE TANK

Large capacity for 6+ household

## >50DB

Whisper quiet operating for comfort

## 24HR ALL WEATHER CYCLE

Guaranteed uninterrupted supply when you need it

## ALL-IN-ONE CONSTRUCTION

No expensive and unsightly roof panels

## ECO FRIENDLY

Reduce your carbon emissions by 4 tonnes annually





## WELCOME TO HYBRID HOT WATER

ARE YOU IN THE MARKET FOR A NEW HOT WATER SYSTEM?

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FINDING IT HARD TO DECIDE WHICH ONE WILL MEET YOUR FAMILY'S  
NEEDS AND BUDGET?

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CONFUSED BY ALL THE NEW JARGON AND LEGISLATION?

You are not alone, purchasing a quality hot water system has suddenly become a complicated and costly process, changes to the law and breakthroughs in technology means that it is no longer a simple case of replacing your old broken heater with a newer model. Today there is a greater variety of systems to choose from and an overload of information regarding rebates and running costs. It is not surprising that most people soon get lost trying to choose which hot water system is right for them, fitting an unsuitable water heater could cost thousands a year in extra running expenses and "Wasted Power". This is not a decision you want to leave up to chance.

At Aquatech we want to help eliminate the confusion and worry from your decision making process, that is why we have been hard at work developing a single Hot Water System, that delivers everything you need, at a price you can afford.



# OUR SYSTEM TICKS ALL THE BOXES

-  A system that is large enough to provide hot water for your whole family.
-  A system that is always working, to deliver hot water when you need it most.
-  A system that is affordable to purchase and easy to install which cut's power bills and saves you money.
-  A system that is great for the environment and helps fight global warming.
-  A system that looks good, is compact and does not need roof panels.
-  A system which receives government rebates so you pay even less.
-  A system independently tested in Australia, for reliability and performance.
-  A system designed by Australians for Australia's weather conditions.
-  A system built to last with warranties that you can trust.

TICKED ALL THE BOXES?

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SOUNDS JUST LIKE WHAT YOU ARE LOOKING FOR?

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SURPRISED ONE HOT WATER HEATER COULD DO ALL THIS AND MORE?

At Aquatech we have designed and built a system that meets all these needs, that is why we believe the [HydroTherm](#) is an innovation in Solar Hot Water.

We have been working with Australian homeowners finding out what they really need and require from a new hot water system. That is how we developed our checklist and it is the same checklist we used when designing the [HydroTherm](#). Aquatech have removed the guess work out of choosing a new hot water system as we have one machine that delivers everything you want at a price you can afford, it is as simple as that.





## THE HYDROTHERM MAKES SOLAR HOT WATER SIMPLE

At Aquatech we want to deliver the benefits of hybrid hot water to every household in Australia. How do we plan on achieving this? By building innovative systems that are affordable, functional and environmentally friendly, just like the [HydroTherm](#).

### AFFORDABLE

The [HydroTherm](#) is solar made affordable. Not only will it cost you less than competing systems to purchase, it is also inexpensive to install. The [HydroTherm](#) also uses just a fraction of the energy a traditional electric hot water heater uses. Therefore it is guaranteed to cut your energy bill and save you money. In fact the [HydroTherm](#) is so efficient each one receives major rebates which we give straight back to you.

### FUNCTIONAL

Purchase costs and saving money are important but you need a hot water system that is functional and that means one with no unsightly roof panels, and one that can be connected into existing plumbing networks hassle free. Functional also means reliable, you need a hot water heater that is going to deliver no matter what the weather, day or night, rain or shine, all year round. To ensure you never go without, every [HydroTherm](#) we build comes with a marine grade stainless steel tank, which is large enough and strong enough to meet all your families' hot water needs. Plus we back every [HydroTherm](#) with the most comprehensive warranties of any brand, so that we can guarantee performance.

# MAKE THE SWITCH TO HYBRID HOT WATER WITH HYDROTHERM

## ENVIRONMENTAL (NEEDS REVISION)

Hybrid energy uses the radiant heat from the Sun that influences Earth's climate and weather and sustains life.

Many people may think solar energy is just about the sunshine, this is not the case, [HydroTherm](#) uses the ambient heat in the air to produce hot water, so no sunshine required. Tested and working in climates from -5° to 45° the [HydroTherm](#) will produce regular and reliable hot water using this renewable energy. This means it is tough on carbon, helping to reduce your family's carbon footprint, making Australia a more sustainable country for future generations.





## HOW MUCH IS HOT WATER COSTING YOU?

Do you know that producing hot water accounts for a third of all household energy use in an average Australian home? That is more than all other electronics systems combined and with electricity and gas prices on the rise the cost of providing your family with hot water is probably a lot more than you realise.

### HYDROTHERM

The [HydroTherm](#) Solar Hot Water System is a true solar solution, which means it has extremely high efficiency. This efficiency rating dramatically cuts energy usage period (time), so the savings benefit apply whether you are comparing against electric or gas water heaters. The [HydroTherm](#) Solar Hot Water unit has been independently tested to cut energy usage by up to 75% that is savings of hundreds of dollars a year in running costs. In fact a [HydroTherm](#) set on “Shoulder-peak” tariffs could cost an average 4 person family less than \$250 dollars a year for all their hot water needs.

Before you decide to make a switch or buy a new hot water unit, it is worth asking; exactly how much your new hot water system is going to cost you to run? You might be surprised just how much money you could save, by making the right choice today. When it comes to cutting costs there is no better choice than a [HydroTherm](#) Solar Hot Water System, made for Australian climate conditions.



### GAS HOT WATER SYSTEM

If you live in an area that does not have access to reticulated gas, you may be offered bottled L.P.G gas hot water heaters, the system type most commonly installed by project and new home builders. Beware! They may cost less to purchase, but the running costs of either a continuous or storage L.P.G gas systems are extremely high. In fact such a system could cost the average 4 person family over \$900 a year, in “Wasted Power” just for their hot water.



# A LIFETIME OF SAVINGS

For a **HydroTherm** home rising energy prices really means greater savings, and when you consider that each **HydroTherm** Solar Hot Water System is designed to offer you 10-15 years or more of service, these savings really start to add up. In fact if you choose to go Solar by installing a **HydroTherm** today you could save several thousands of dollars (taking into account rising costs in electricity over the life time of the system) compared to a traditional full electric hot water system.



\*All Figures based on 6 person household allowing for 7% annual increase in power costs. Statistics obtained from the New South Wales Department of Energy Utilities and Sustainability

With generous rebates and the Aquatech Green Cash programme, installing a HydroTherm Solar Hot Water System will cost you less, plus with the HydroTherm Solar Hot Water System comes huge savings on your power costs. We are sure that you will agree going Solar will be the best financial decision you will ever make.

To find out more about the comparable running costs and different hot water systems or to work out how much you could be saving today, please visit [www.aquatechheatpumps.com](http://www.aquatechheatpumps.com).



## BUILT TOUGH FOR AUSTRALIAN CONDITIONS

Australia has one of the world's harshest climates; droughts, floods, fires, cyclones, we cop them all. That is why every [HydroTherm](#) Solar Hot Water System is built tough, using only the best available materials such as 304 stainless steel tank and heat exchangers. Each [HydroTherm](#) Solar Hot Water System also comes backed with industry leading guarantees, giving you peace of mind.

### STAINLESS STEEL TANK

Every [HydroTherm](#) Solar Hot Water System tank is built with 304 stainless steel industries best, ensuring that your [HydroTherm](#) Solar Hot Water System will last, while most competing manufactures use a cheaper / glass / vitreous enamel lined tank. That is why most manufactures will only give you a 5 or 7 year tank warranty, whereas the HydroTherm stainless steel tank is guaranteed for 15 years.

### STAINLESS STEEL HEAT EXCHANGER

Using stainless steel, Aquatech have eliminated corrosion, meaning our stainless steel tanks do not need expensive sacrificial anodes. Why is this important? Sacrificial anodes are used to extend the life of glass / vitreous enamel lined tanks, however these anodes need regular replacing and service charges which can add up to hundreds of dollars. By purchasing a [HydroTherm](#) Solar Hot Water System you eliminate both the anodes and service costs, which means greater savings for you.

## GUARANTEED FOR PERFORMANCE

Aquatech set out to build a solar hot water system that would meet the unique needs of all Australians. The hot water system had to be **tough, affordable** and **functional**. Most of all, Aquatech wanted to build a solar hot water system that was going to last. We have achieved this and more with Australia's best; the "HydroTherm Solar Hot Water System", that is why we believe the HydroTherm is truly an innovation in solar hot water technology. Aquatech is manufactured to strict Australian Standards.

## OUR SYSTEM TICKS ALL THE BOXES

- ✓ R410a Gas
- ✓ Stainless Steel Tank
- ✓ <300 Litre Capacity
- ✓ No Electric Booster
- ✓ No Sacrificial Anode
- ✓ Stainless Steel Heat Exchanger
- ✓ 7 year Compressor Warranty
- ✓ Life-time Tank Warranty



# AUSTRALIA'S MOST ADVANCED SOLAR HOT WATER SYSTEM



## ENVIRONMENTAL SOUND REFRIGERANT

The key to the Aquatech Heat Pumps high efficiency and performance is the use of the unique and environmentally sound R410a refrigerant. R410a is a chlorine free refrigerant designed to work at much higher pressures which in turn produces better energy returns across a wider range of climatic conditions. It is fast becoming the refrigerant of choice with European and American manufactures, replacing traditional R134a a refrigerant still used by the majority of competing systems.



## ACOUSTIC DAMPENING TECHNOLOGY

Aquatech Heat Pumps incorporates patented sound dampening technologies to produce a Heat Pump which is exceptionally quiet. While other manufacturers systems can produce sound levels in excess of 60db our All-In-One model runs at a whisper quiet 51db day and night.



## 304 STAINLESS STEEL CONSTRUCTION

All Aquatech storage tanks are moulded from 304 grade Stainless Steel. By utilising the world's most versatile stainless steel we have eliminated the need for expensive Magnesium Anodes which need frequent replacement. **Aquatech Heat Pumps are built to last.**





### PANASONIC COMPRESSOR

At the heart of the Aquatech **HydroTherm** Heat Pump is our unique Panasonic 5PS Rotary Compressor. Specifically designed to cope with the high yielding pressures of our R410a refrigerant, this compressor delivers uncompromised performance and durability. Built to last by one of the world's leading manufactures, Aquatech offers a 7 year replacement guarantee on each compressor installed.



### ALL-IN-ONE DESIGN

Designed to blend in with Australia's unique building facades our All-In-One-Construction combines aesthetic sensibilities with crucial performance parameters. The single unit is intended to complement most installation scenarios. Incorporated footings ensure the unit remains raised for free drainage, while our side ventilation system allows us to incorporate the maximum evaporator surface area, increasing heat transfer and boosting performance .



### STAINLESS STEEL HEAT EXCHANGER

Direct Fusion Technology optimises the efficiency of our Heat Pumps by placing the heat exchanger in direct contact with the portable water. To ensure the safety and integrity of the hot water produced by our pumps.



# HOW DOES HYBRID HOT WATER WORK?

1 The heat pump fan pulls hot air (ambient energy) from the surrounding atmosphere into the machine and across the evaporator.

2 The Ambient Air Energy is absorbed from the atmosphere by the eco-friendly R410a refrigerant stored inside the evaporator coils.

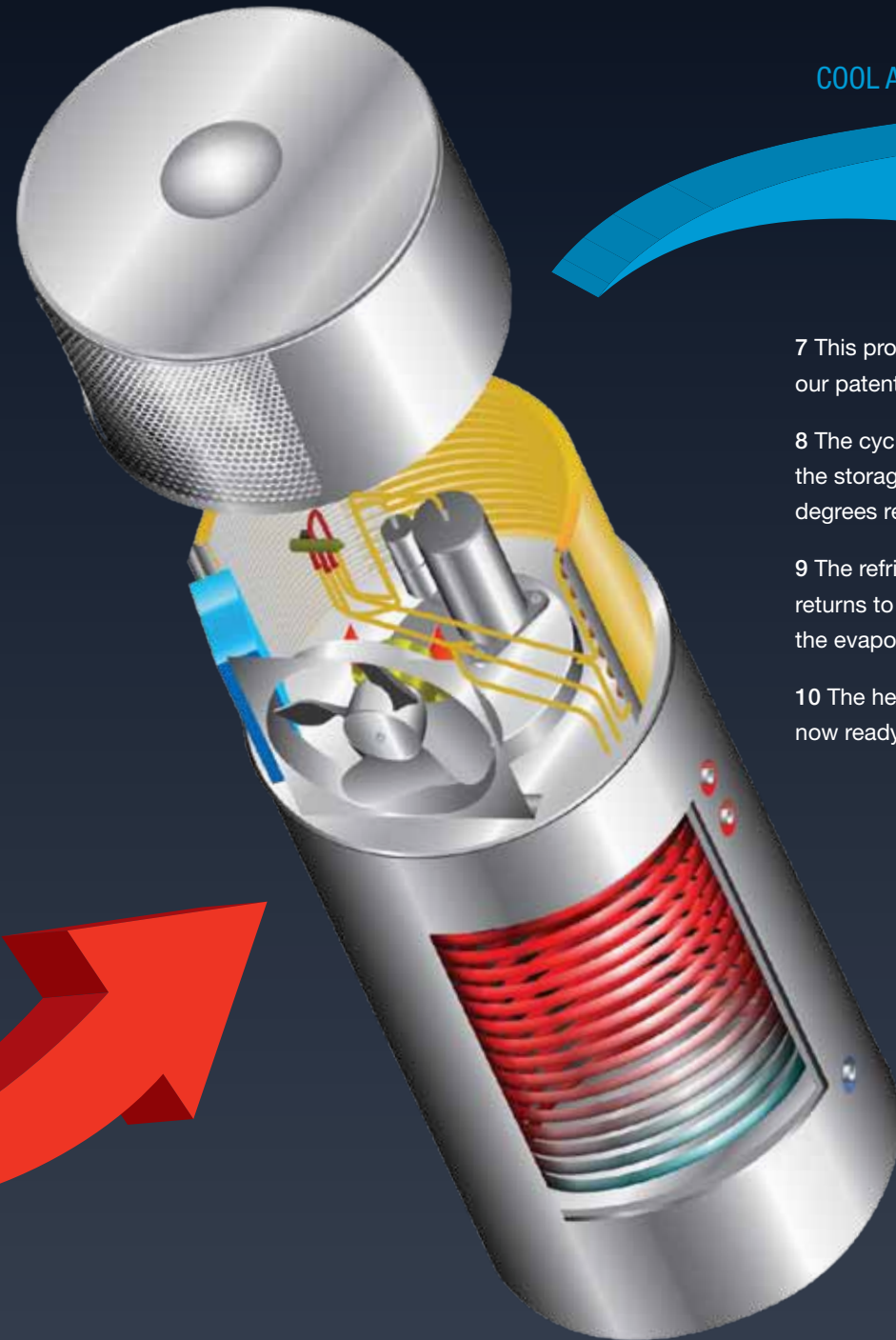
3 The refrigerant goes through a state of change from a liquid to a gas. The gas is then charged & sent to the Panasonic compressor.

4 The gas refrigerant is then compressed to extremely high pressures, generating dramatic increases in heat.

5 The super heated refrigerant gas travels down our patented double coil heat exchange and into the storage tank.

6 Through a process known as direct fusion the heat is transferred from the exchanger into the cold water.

HOT AIR



7 This process is independently regulated by our patented GeoTherm Controller.

8 The cycle continues until all the water in the storage tank reaches an average 60°C degrees ready for use.

9 The refrigerant having transferred it's heat returns to a liquid state & is pumped back to the evaporator ready to begin the cycle again.

10 The heated water rises in the tank and is now ready for use.

# AUSTRALIA'S LEADING GUARANTEES

At Aquatech we don't just claim to have Australia's toughest solar hot water systems we back it up. Like the 15 year warranty we offer on every tank we build, that's more than double the protection of competitor brands, so you know each one we sell is going to last.

## 15 YEAR TANK WARRANTY

If an inner cylinder fails on an Aquatech Heat Pump at any stage during the products life cycle. Aquatech will provide a free replacement unit for faulty tanks under warranty. Please contact your supplier for further details.

## 7 YEAR COMPRESSION WARRANTY

Should the Aquatech All-In-One Panasonic Compressor fail within a seven year period Aquatech will provide a replacement part free of charge.

\*Refer to Aquatech Warranties for further details.

## 2 YEAR PARTS WARRANTY

Aquatech offer a two year warranty on parts.

\*Refer to Aquatech Warranties for further details.

## THE AQUATECH SERVICE PROMISE

At Aquatech we also have an established network of specially trained plumbers and technicians across Australia, each one dedicated to ensuring that our systems are working for you, day and night, all year round. If you have or are experiencing any issues, call our toll-free service line and we will remedy the issue within 48 hours.



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HYDROTHERM™

aquatech  
heat pump technologies

solarswim  
switch on the sun

