



AUSTRALIAN MADE.

Sunbather is a proudly Australian company.

For over 45 years they have been delivering practical, environmentally responsible, leading-edge, cost-effective heating and heat retention solutions all over Australia and around the world.

Today, they are one of the most trusted names in commercial pool heating technologies.

FOR SPECIFICATIONS AND TENDER INFORMATION ON SUNBATHER PRODUCTS SEE THE SUNBATHER WARRANTY & DOCUMENTS BROCHURE OR VISIT www.sunbather.com.au.



NATIONAL SUPPORT NETWORK.

Commercial systems need prompt and expert technical service and support and Sunbather has **branches and agents across Australia** dedicated to providing that support.

As a local manufacturer, bespoke solutions can be quickly created to resolve any unusual problems.

Australian Standard AS 3634-1989 & AS 2369.2-1993 compliant
SPASA & SEIA member
OH & S compliant
QBCC Licensed: # 728206
NSW Fair Trading Licence No: 26792C
Full Insurance & Liability Cover



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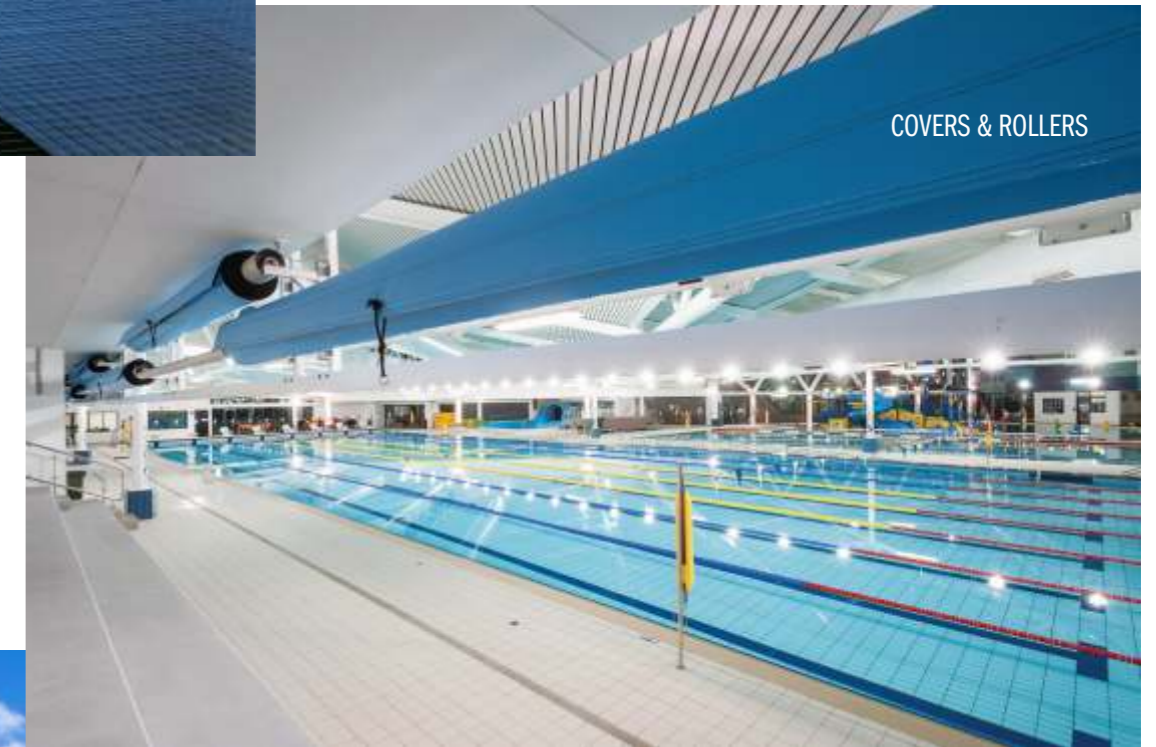
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STRIP SOLAR

AUSTRALIAN LEADERS IN COMMERCIAL SOLAR, HEAT PUMP AND GAS POOL HEATING, POOL COVERS AND ROLLERS SINCE 1974.



COVERS & ROLLERS



PANEL SOLAR





FOR SUNBATHER
THE STORY STARTS
WITH SOLAR

FOR OVER 45 YEARS SUNBATHER HAS USED STATE-OF-THE-ART SOLAR TECHNOLOGIES TO HEAT COMMERCIAL SWIMMING POOLS - AND THERMAL COVERS TO RETAIN THAT HEAT FOR AS LONG AS POSSIBLE.

IT STARTED WITH AWARD-WINNING FLEXIBLE STRIP AND NOW INCLUDES PATENTED SUNTUBE-2 UNGLAZED RIGID SOLAR PANELS.

SOLAR IS THE FIRST OPTION BUT EFFICIENT COMMERCIAL HEAT PUMP AND GAS HEATERS ARE USED WHERE NECESSARY - AND EVERY POOL SHOULD HAVE A THERMAL COVER SYSTEM.

NOW SUNBATHER IS THE MOST TRUSTED NAME IN COMMERCIAL SOLAR.

SUNBATHER PROVIDES TOTAL CONTROL.

For smaller commercial installations the SunSwitch controller, Sunbather's most recent Product Innovation of the Year winner is ideal. Intuitive controls are simple to use. No switches or knobs. All operation is through the screen with a choice of Auto, Manual & specialised modes.

State-of-the-art German sensors ensure reliability and with the Wireless SunSwitch there's no wires to run to the roof sensor.

On large installations, Sunbather's Energy Management System can be custom-built for each pool and interface with existing equipment such as gas heating, heat pumps and Building Management Systems.



SOLAR HAS ALMOST NO CARBON FOOTPRINT!

Gas and electric pool heaters burn fossil fuels. Recent testing* of hot water systems highlighted the greenhouse gas contributions of solar, gas and heat pumps systems:

Standard Gas	35%	High Efficiency Gas	30%
Heat Pump	27%	SOLAR	just 0.8%

* Statistics are based on established figures for Hot Water Service Greenhouse Gas Contributions - Electric Immersion Heating being 100% - Gavin Gilchrist - "The Big Switch" 1994 & Swinburne University Solar Training Manual 1998.



WITH SOLAR, YOU DON'T HAVE TO BURN MONEY TO HEAT YOUR POOL.

Solar running costs are almost zero! Using a Sunbather solar system in conjunction with a gas or electric heating system, can provide all year round heating with dramatically reduced costs.

GREATER EFFICIENCY PER SQUARE METRE.

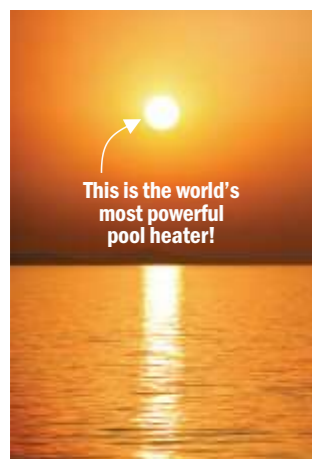
Solar is over 80% efficient in heat transfer from the collector to the pool water. No other system comes close.

Solar generates at least a kilowatt of heat energy per square metre of collector - 100 square metres of solar will typically provide over 100 kilowatts of heat energy!

THE SUN HAS FOUR TIMES THE HEAT OUTPUT!

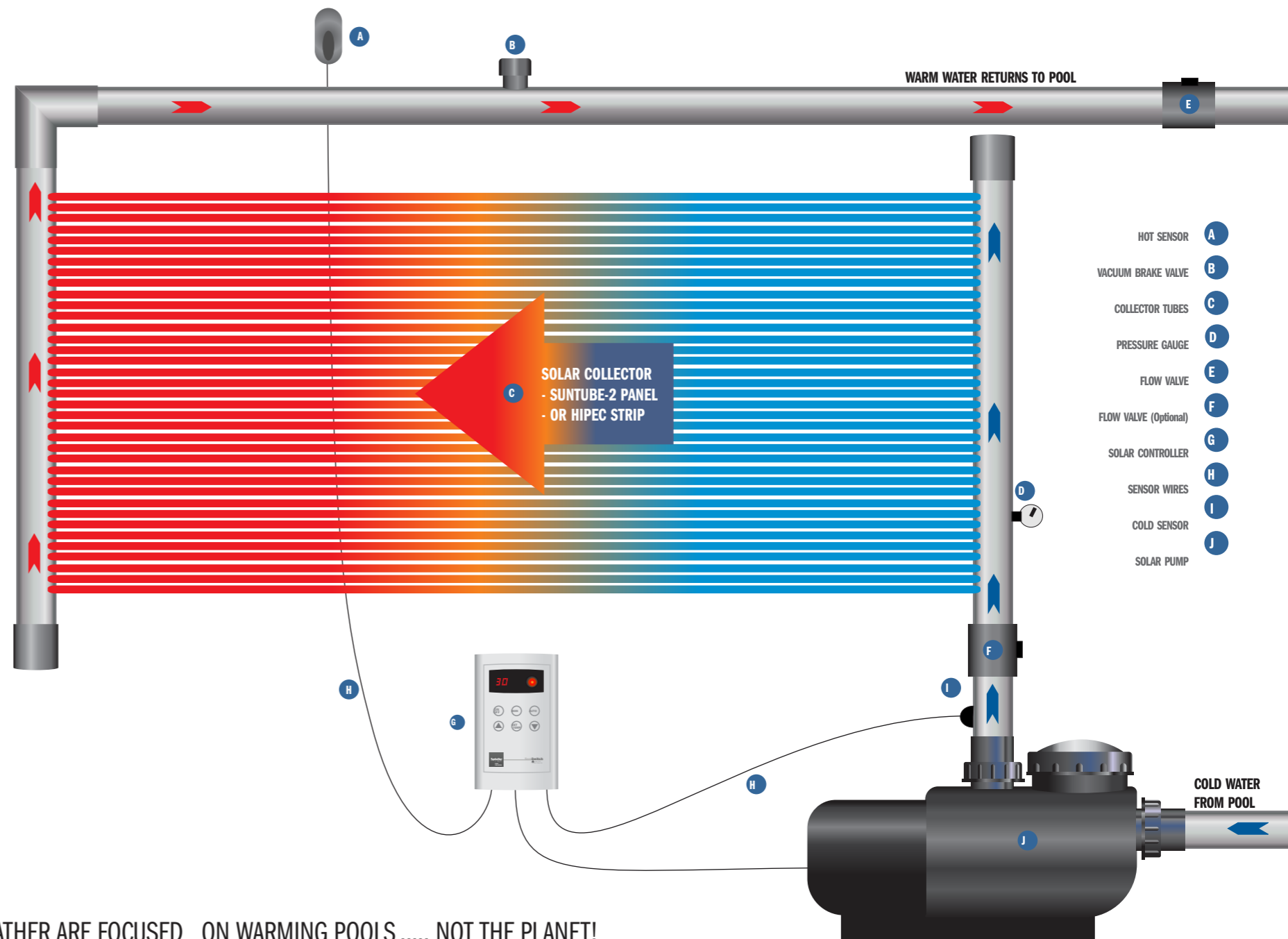
Commercial pools are large bodies of water and on a sunny day, when pools are most in use, a Sunbather solar pool heater will produce up to four times the heat output of a gas heater or electric heat pump.

AND ALL THAT ENERGY IS FREE!

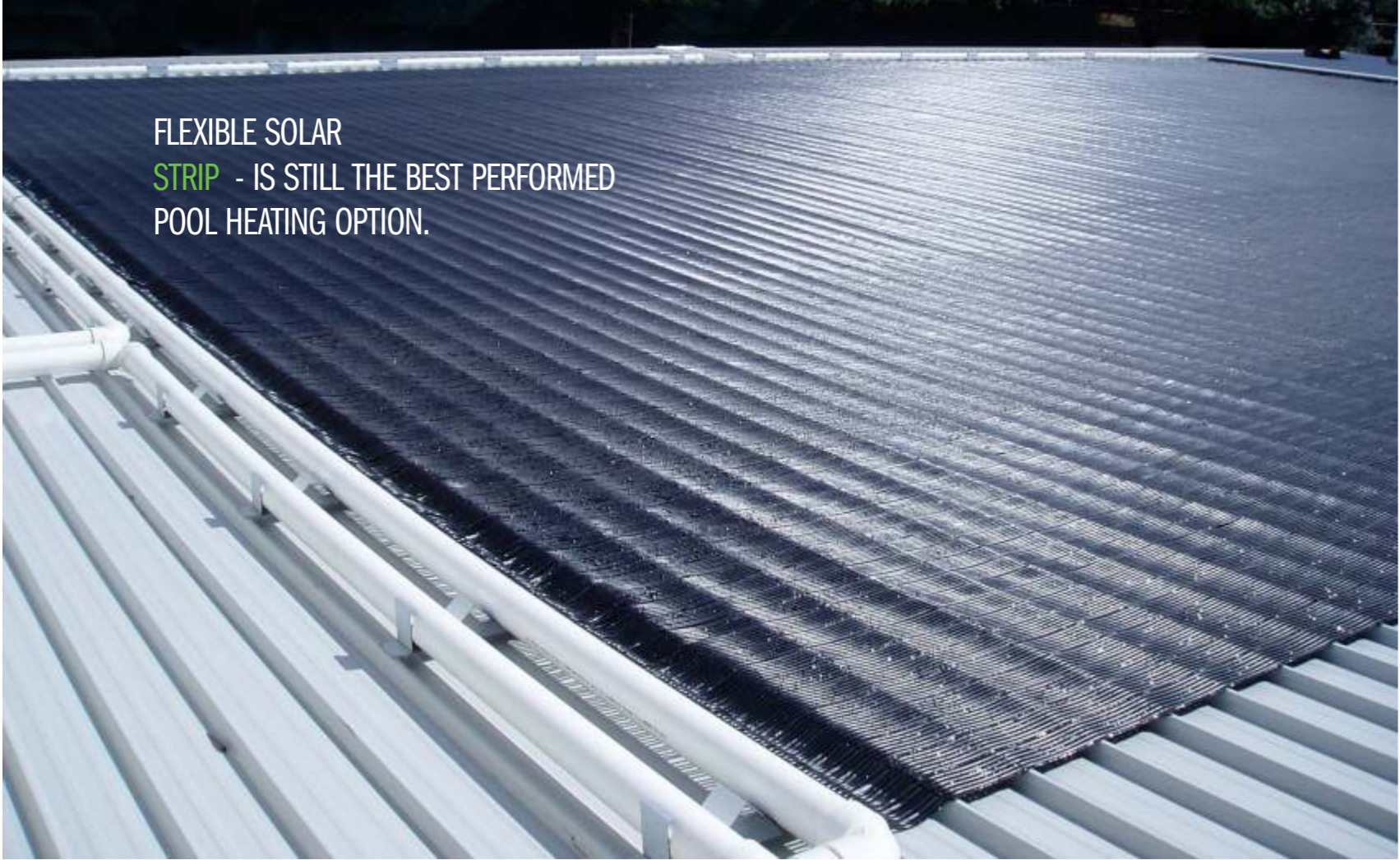


This is the world's most powerful pool heater!

"I have been associated with several Sunbather solar installations since 1974. They have all been efficient, reliable and shown significant economies. The company is a leader in this important field of technology."
SIR JOHN HOLLAND A.O. JOHN HOLLAND CONSTRUCTIONS.



SUNBATHER ARE FOCUSED ON WARMING POOLS NOT THE PLANET!



FLEXIBLE SOLAR STRIP - IS STILL THE BEST PERFORMED POOL HEATING OPTION.



MADE IN AUSTRALIA

DECADES OF TESTING PROVED THAT A SIGNIFICANT INCREASE IN PERFORMANCE COULD BE GAINED BY ADDING WEBBING AND THEN PUNCHING HOLES IN IT!

THE MOST DURABLE, MOST AFFORDABLE AND BEST PERFORMING FORM OF COMMERCIAL SOLAR POOL HEATING IS SOLAR STRIP. WHICH IS WHY IT'S ALSO THE MOST POPULAR.

To many, the primary benefit of strip collector is flexibility. It can be run across multiple roof spaces to catch the most Sun and curve around any obstacles. But, Sunbather solar strip has always been the dominant form of commercial solar for one very simple reason; it out performs every other type of solar pool heating.



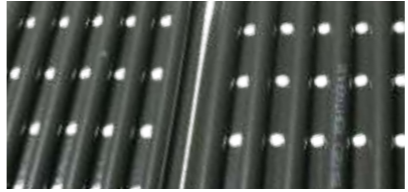
IT STARTS WITH SUNBATHER'S EXCLUSIVE 'HIPEC' COMPOUND.

Sunbather developed their own award-winning HiPEC flexible strip collector to ensure tube thickness was always within strict parameters. They knew from experience that thermal resistance and water distribution across the collector were the keys to absorbing and transferring maximum heat from the Sun.

"After 2500 hours of accelerated tests to ASTM G53 the HiPEC samples showed no degradation or deterioration."
AUSTRALIAN VINYL CORPORATION

HIPEC LASTS LONGER AND THE REST OF THE SYSTEM IS JUST AS RELIABLE.

The patented Sunbather Compression Manifold Connection is quick and easy to install or repair. Each one is pressure tested to eliminate leaks and is covered by the Sunbather 15-Year Customer Protection Plan.



Wind is a major factor in heat loss from collector tubes and, by just adding webbing between the tubes, that loss was eliminated. It also increased the amount of collector material exposed to the Sun. Moisture on the collector also reduced heat absorption so Sunbather punched holes in the webbing to assist drainage. Overnight dew evaporated faster to warm the roof and collector. The holes also meant superior adhesion to the roof.





RIGID SOLAR
PANEL - THERE'S A NEW BENCHMARK

MADE IN AUSTRALIA

WHEN THE LOCATION CALLS FOR A SOLAR PANEL SYSTEM, THE NEW SUNTUBE-2 IS QUICKER AND EASIER TO INSTALL AND MUCH MORE DURABLE. DESIGNED AND MADE IN AUSTRALIA FOR AUSTRALIAN CONDITIONS. IT'S THE NEW BENCHMARK IN SOLAR PANELS.

Until now, rigid panel systems were imported products not specifically designed for tough Australian conditions. Now Suntube-2 is designed and made in Australia and made tough enough for Australia's punishing climate.

SUNTUBE-2 TUBES ARE LARGER AND THICKER.

Solar collector tubes are exposed to the elements and can be damaged by fallen branches, bird attack and even small gnawing rodents. Suntube-2 tubes are significantly thicker, stronger and tougher than any other panel tubes.



TUBE CONNECTIONS TOTALLY ENCASED AND SHIELDED.

Panel tubes are usually plugged straight into a length of standard pipe.

The header pipe on ST-2 is reinforced on both sides to create a flat surface. A row of barbs is then moulded into that flat surface so that connection cannot leak.

Each tube is pushed firmly on to its barb. An injection moulded sheath then totally covers and encases all those tube connections at the top and the bottom of the panel to make doubly sure that they can never leak. The end result is a junction that is at least three times more secure than an insert.

Each fully assembled panel is then pressure tested to a level that would make any other panel fail before being delivered to site.



suntube-2

NO PENETRATION ON TILED ROOFS .

Drilling into a tiled roof is one thing every solar installer wants to avoid. Not only is it difficult, there's also a risk of leaks. Now, Suntube-2's patented roof clamps remove the need to penetrate a tiled roof.

Located at the top and bottom of each panel, these clamps have a long rod that slides under the tile to attach directly to the batten without penetrating the tiles.

The top clamp even has an expansion chart and a widened slot so the panel is held firmly in place while it expands as it heats and contracts as it cools.

There is also a side clamp to lock down additional pipework.

Another patented connecting bracket clamps the return pipe to the header pipe. Normally that section of return pipe would have saddles that penetrate the tiles but this bracket holds it firmly in place without the need for saddles.



PIPEWORK CONNECTIONS ARE TRIPLE SEALED ... AND CAM-LOCKED.

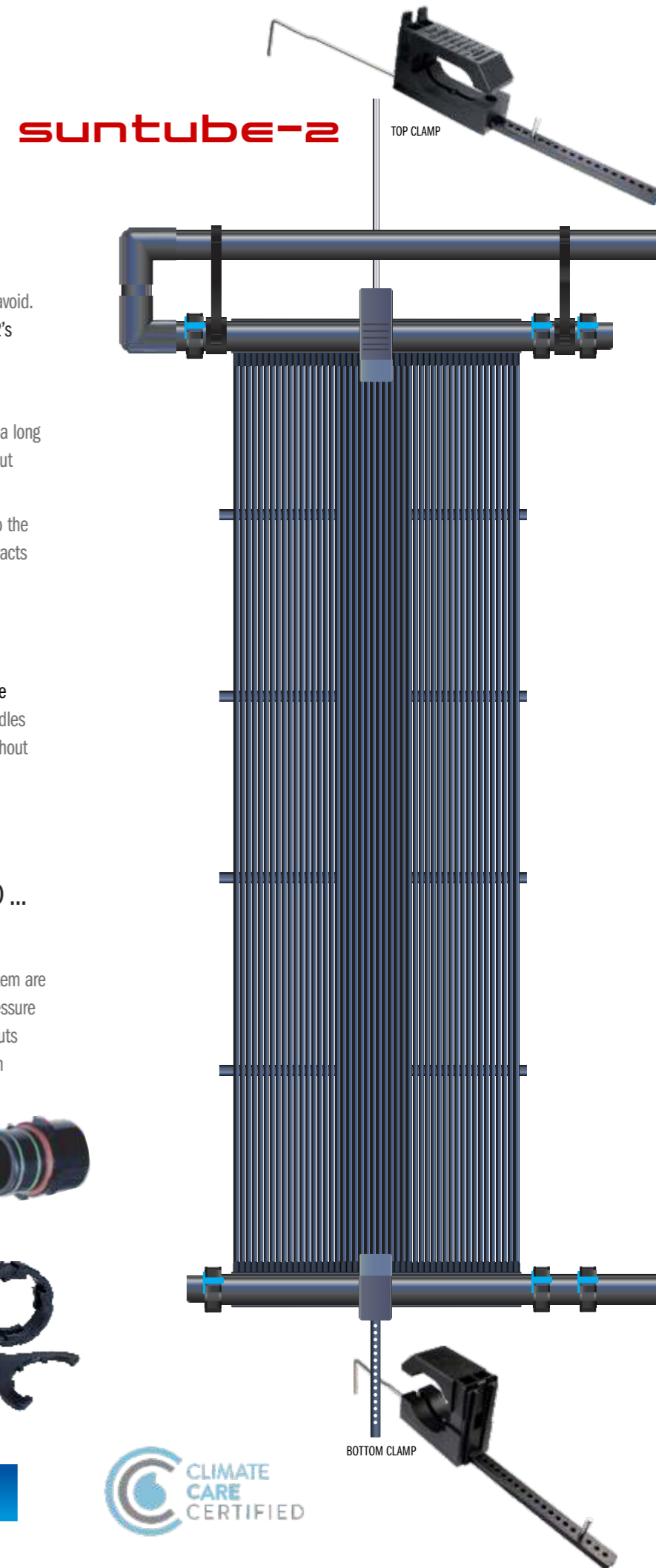
Among the most crucial components in any commercial solar system are the pipework connections. They must contend with enormous pressure and yet, most are either screwed, glued or clamped together by nuts and bolts. Now Suntube-2 introduces state-of-the-art connection technology to solar panels.

Each junction has not one but THREE individual water seals to ensure there is no chance of leakage.



All those important junctions are now cam-locked.

Using the tool provided, just one-eighth of a turn is enough to tighten and lock a perfect seal in place every time.



15 YEAR WARRANTY 15 YEAR WARRANTY ON SUNBATHER COLLECTOR BACKED BY THE MOST TRUSTED NAME IN SOLAR



AS WELL AS SOLAR, SUNBATHER ARE SPECIALISTS IN COMMERCIAL GAS & HEAT PUMP POOL HEATING.



RHEEM ACCENT HEAT PUMPS MEET EVERY CHALLENGE.

The range extends from 38kW up to 540kW capacity all with unique features designed for harsh Australian conditions:

- ⇒ Full commercial construction including **marine grade** aluminium case.
- ⇒ Exclusive **Rheem Cote** anti-corrosion treatment of the evaporator.
- ⇒ **Titanium** heat exchanger providing lifetime protection against water chemistry imbalance.
- ⇒ Significantly **larger evaporator** area giving stronger heating performance particularly at low ambient.
- ⇒ Compressor housed in separate internal cabinet for **reduced noise** and improved serviceability.
- ⇒ Exclusive **Rheem IQ** control provides advanced tariff control to minimise heating costs.
- ⇒ Compressor **staging ability** to minimise demand.
- ⇒ Advanced service module with full **onboard diagnostics**.
- ⇒ **Pressure transducers** provide full refrigeration data to aid service.
- ⇒ Full connectivity with **BMS and CBus** for remote monitoring.
- ⇒ Full manufacturer's warranty and factory/service support nationally.
- ⇒ **Removable coil guards** for easy cleaning.



Sunbather's combination of Accent Heat Pumps and solar with BMS control system is now saving \$10,000s per year in gas and electricity consumption BUNDAMBA SWIM CENTRE.

SUNBATHER ENGINEERS HAVE OVER FOUR DECADES OF SPECIALISED KNOWLEDGE GAINED FROM THOUSANDS OF COMMERCIAL INSTALLATIONS. COMBINE THAT WITH A FLEXIBLE RANGE OF GAS, ELECTRIC AND SOLAR OPTIONS AND THE ABILITY TO MANUFACTURE IN-HOUSE TO MEET SPECIFIC REQUIREMENTS, AND IT'S EASY TO SEE WHY SUNBATHER CAN ALWAYS FIND AN INNOVATIVE SOLUTION TO EVERY CHALLENGE.

THE POOL HEAT PROGRAM DELIVERS PERFORMANCE AND SAVINGS.

All Sunbather systems are created using their 'Pool Heat' computer simulation models developed in conjunction with the University of NSW. Following a complete - and free - energy audit Sunbather can produce a very **accurate Return-On-Investment** estimate to assist pool managers with securing the support and funding needed for major projects.



MADE IN AUSTRALIA



RHEEM RAYPAK SMALL COMMERCIAL GAS HEATERS.

Rheem's range of locally manufactured Raypak pool & spa gas heaters are built for the toughest of operating conditions. The Raypak is clearly the service industry's first choice when it comes to reliability and dependability.

A broad range of heater capacity is available to suit all residential and small to medium commercial installations. The Raypak Premium Pool Heater range includes models PCO - 200, 280, 350 & 430 and an array of standard features:

- ⇒ All **bronze headers** for greater temperature tolerance and corrosion resistance.
- ⇒ Pump run on **timer function** to protect the heat exchanger.
- ⇒ **Connectivity** with automatic pool control systems.
- ⇒ Suitable for either **indoor or outdoor** installations.
- ⇒ **Cupro-nickel** heat exchanger for greater protection.
- ⇒ **Stainless steel** base and combustion support.
- ⇒ Powder coated **heavy gauge** metal casing.
- ⇒ Service code **diagnostics**.
- ⇒ **Child-lock** function.
- ⇒ **Reliable & trustworthy** performance.



SUCCESS IS ALSO BUILT ON QUALITY COMPONENTS.

For installations that include heat pump or gas heating Sunbather prefer to use Rheem commercial products.

Rheem's range of **ACCENT** heat pumps and **RAYPAK** gas heaters are designed and built in **Australia** for Australian conditions.

They are favourites of the Australian industry and are installed in major aquatic centres and specified where the highest quality of component, design and control is essential. They can be customised to your specific needs.

"Even in those early days I knew this group were capable of using CSIRO research to build a world class business."
ROGER MORSE, HEAD OF SOLAR STUDIES CSIRO

"Our energy management equipment was installed professionally and on time. Gas savings were immediate and as predicted."
MENTONE GIRLS GRAMMAR SCHOOL.

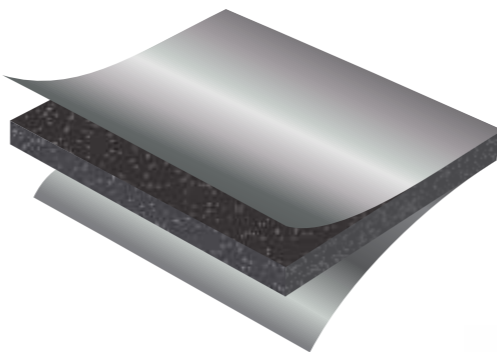


**THERMAL
COVERS**

THERMAL - A SIMPLY BRILLIANT IDEA.

Sunbather Thermal Covers are UV stabilised, closed cell, cross-linked foam, flame-bonded between layers of polyethylene fabric. Simple and brilliant!

They lock in heat overnight and reduce evaporation by 95% and pay for themselves in a couple of years.



LOSING HEAT OVERNIGHT IS EXPENSIVE.

Fuel heaters are expensive to run but having a cold pool at the start of every day will also cost you money. The answer is simple. Cover your pool with a Sunbather Thermal Pool Cover when it's not in use and you'll slash your annual heating costs dramatically.



REMOTE CONTROL
MOTORISED
WALL-MOUNTED ROLLERS
POOL SADLER POOL

WATER EVAPORATION COSTS THE ENVIRONMENT AND COSTS YOU MONEY.

Water loss is an environmental and a financial loss. The table shows, water loss on uncovered and unheated pools is almost twice their water volume every year! Heating doubles that loss. In the hotter regions it's even more. A Sunbather pool cover has the potential to save up to 95% of water evaporation. On a 500sqm unheated Sydney commercial pool that's over half a million litres.

	ANNUAL EVAPORATION	WATER LOST 30m ² POOLS	WATER LOSS 40m ² POOLS	WATER LOSS 500m ² POOLS
SYDNEY	1400 mm	42,000 Ltrs	56,000 Ltrs	700,000 Ltrs
MELBOURNE	1400 mm	42,000 Ltrs	56,000 Ltrs	700,000 Ltrs
BRISBANE	1500 mm	45,000 Ltrs	60,000 Ltrs	750,000 Ltrs
PERTH	1800 mm	54,000 Ltrs	72,000 Ltrs	900,000 Ltrs
ADELAIDE	1900 mm	57,000 Ltrs	76,000 Ltrs	950,000 Ltrs
HOBART	1100 mm	33,000 Ltrs	44,000 Ltrs	550,000 Ltrs
DARWIN	2200 mm	66,000 Ltrs	88,000 Ltrs	1,100,000 Ltrs

Source: http://www.bom.gov.au/cgi-bin/climate/cg_bin_scripts/evaporation.cgi Figures will vary with climatic conditions.

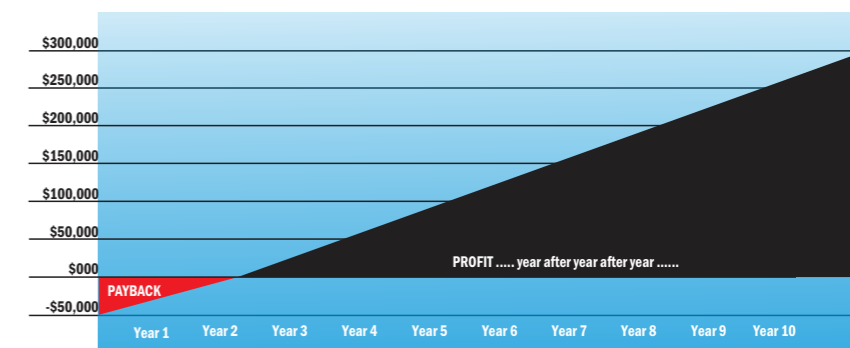


**MADE IN
AUSTRALIA**

IT PAYS FOR ITSELF!

Annual savings on fuel bills with a Sunbather Thermal Pool Cover usually recoup the entire system cost in just one or two years!

After that it's all extra profit.



ONLY THE SUPER TOUGH SURVIVE.

Sunbather pioneered and dominates commercial thermal pool covers by designing covers that are clever and tough.

Outdoor covers have wind-edging. Indoor pools get double mesh edging. Fixtures are stainless steel. Sunbather innovations are driven by the need to perform while coping with a commercial pool environment.



We chose Sunbather for our 3540m² of heated pools because of their superior overnight heat retention qualities, ease of handling and storage.
WET'N'WILD WATER PARK, GOLD COAST





MADE IN AUSTRALIA

STATE-OF-THE-ART
ROLLER SYSTEMS

TAILOR-MADE
BLANKETS PROVIDE
TOTAL POOL COVERAGE
DEVONPORT AQUATIC CENTRE.



"We are delighted with the gas savings and the ease of operation. The staff have found the system amazingly simple to use."
PHIL KING, KINGS SWIM CENTERS

REMOTE CONTROL
MOTORISED
WALL-MOUNTED ROLLERS
WYNDHAM WATERS



UNDERSEAT ROLLER



ROLLER WITH
STARTING BLOCK
EXTENSION



LANE ROPE ROLLER

ROLLERS FOR EVERY TASK.

From basic hand-operated rollers to their state-of-the-art motorised units, every Sunbather roller is made to the same exacting quality and performance standards.

Every pool is unique and Sunbather's ability to create bespoke solutions for every site makes them the leader in high tech thermal pool cover and roller systems.

Swimming pool chemicals, salt, and temperatures are a harsh environment for rollers which is why a combination of stainless steel, acetal, and nylon ensure the industry leading 200S roller will stand the test of time.

Roller shafts are anodised aluminium. The housing is of robust stainless steel. Bearing and locking bolts are acetal. Wheels are made of the toughest nylon with stainless steel swivel castors and brakes.

The 10 year warranty on the frame is evidence alone that Sunbather have produced the best roller possible.

The unique Drop Bolt system ensures correct, stable and repeatable positioning for ease and safety.



ROLLER WITH DROP BOLT

THE FUTURE IS MOTOR-DRIVEN.

Given the impact of OH&S and the size of modern pool covers, the future for commercial pool rollers is motor-driven.

Motors can be hidden inside the roller shaft itself.

They can be wall-mounted, side-mounted, end mounted, installed under benches or even hung from the ceiling.

They can be remote controlled and key-lockable.

They can straddle starting blocks; cope with lane ropes; cope with pools 50m and longer and even cope with negative edge and wet deck pools.

In essence they are practical, out of the way, simple to use and cost effective with energy and OH&S savings.



MOTORISED WALL-MOUNTED ROLLERS



SIDE DELIVERY ROLLERS



OUT OF SIGHT
& OUT OF THE WAY
HIDDEN COVERS

MANLY'S ANDREW 'BOY' CHARLTON SWIM CENTRE



SAFE & CONVENIENT
SLAT COVERS

MOTORISED IN-PIT ROLLER IS OUT OF SIGHT.

Sunbather's Motorised In-Pit Roller Cover System was the 2014 Pool Product of the Year because it solves a key problem, especially on commercial pools.

When the pool is in use the roller and the pool cover is hidden under a hinged lid. With the lid closed and sitting flat with the pool deck, both roller and cover are out of sight and out of the way.

Then, when the pool closes, the lid is opened and the thermal cover is pulled out to cover the pool, keeping it warm and clean.

Right now, Sunbather's Motorised In-Pit Roller is the hottest thing in the commercial pool heating world.



AQUA VALET = OH&S PROTECTION.

The Aqua Valet removes and deploys large pool covers in minutes. Driving a standard roller or the Motorised In-Pit Roller system it's the perfect solution for today's OH&S considerations.

Stainless steel and anodised aluminium construction, it suits pool lengths up to & over 50m with variable speed operation. For added safety it has a circuit breaker, spring loaded switches, grab handles, wheel brakes, drop bolts, soft start and can be customised for use on remote controlled motorised rollers.

It's power comes from a rechargeable Long Life 24v DC, so no long power cables and no battery maintenance.



THE KEY TO THE PERFECT COMMERCIAL POOL COVER.

The Sunbather Security Cover is automatic.

To open the pool just turn the key and the cover quietly retracts. Turn it again and the cover glides out to seal the pool.

It's called a Security Cover because the pool is key locked and it's **rigid foam-filled CVX slats** are strong enough to support small children and pets.

Those interlocking slats reduce water loss through evaporation and, on indoor pools, damaging condensation.

Outdoors, they also keep leaves, debris, birds and animals out of the pool.

Like all Sunbather thermal covers, the CVX Security Cover locks in heat overnight to save energy.

