



# PREMIUM SOLAR HEATING

EXTEND YOUR SWIMMING  
SEASON WITH A COMPLETE  
RANGE OF SOLAR HEATING  
OPTIONS



MULTI AWARD  
WINNERS

# MULTI LAYERED ENERGY FLOW 10

100% ROOF COVERAGE

## RED INSIDE

- ✓ Specifically formulated for maximum chemical resistance
- ✓ Increased resistance to collapse from vacuum crush
- ✓ Optimum sealing around manifolds and barbs, so no leaks
- ✓ Round tube design for maximum resistance to crushing & splitting

## 10 TUBE EFFICIENCY

- ✓ 10 Tubes
- ✓ Maximising wet area per m<sup>2</sup>
- ✓ Faster heat up times
- ✓ Extend swimming season even further

SUPERIOR EFFICIENCY  
LONGER LIFE

## BLACK MATT OUTSIDE

- ✓ The best UV weathering resistance package available, resulting in longer life
- ✓ Material contains a 'high matting agent' which greatly improves solar absorption, providing superior performance & efficiency
- ✓ Is also formulated to have increased toughness to resist mechanical damage and puncturing



## FEATURES

### SUNLOVER MANIFOLD

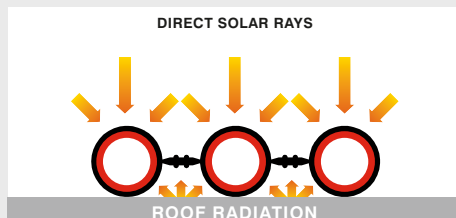


The new indestructible Sunlover manifold provides no gluing joints for easy installation and have winged sides that lock the manifold in place that stop sideward movement.

- + No Gluing Joints
- + Indestructible Design
- + Winged Shape locks in place

The wings also protect the rubber grommet from UV deterioration.

### PVC PREMIUM ABSORBER



PVC Nitrile Premium Absorber manufactured from chemical resistant polymer compounds certified to meet AS2369.2-1993 – Materials for solar collectors for swimming pool heating, Part 2: Flexible or plasticised polyvinylchloride.

INCREASING YOUR SOLAR SYSTEMS EFFICIENCY AND PERFORMANCE

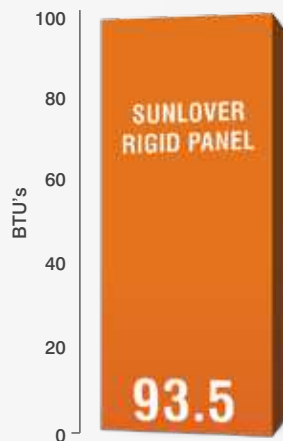
WARRANTY  
15 YEARS ON  
SOLAR COLLECTOR  
5 YEARS  
ON MANIFOLDS

# RIGID SOLAR PANELS

80% ROOF COVERAGE

WARRANTY  
25 YEARS  
ON PANELS

- ✓ FREEZE RESISTANT
- ✓ MOST DURABLE SOLAR PANEL AVAILABLE
- ✓ EFFICIENT DESIGN REDUCES HEAT LOSS
- ✓ HIGH BTU RATING



## LESS HEAT LOSS MEANS A MORE EFFICIENT SYSTEM

OUR RIGID PANELS HAVE THE HIGHEST BTU RATING IN THE MARKET.

Sunlover panels have a BTU rating of 93.5 BTU/m<sup>2</sup>

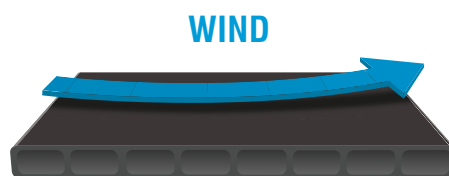
### What are BTU's?

BTU's are a unit of measure used to measure thermal (heat) energy. The higher the BTU's the more heat retained by a solar collector. Sunlover collectors have the lowest heat loss because of our connected flow tubes (vs. Conventional individual tubes)



### INDESTRUCTIBLE

- ⊕ Fully moulded tubes to the main header for extra strength
- ⊕ Solar collector tubes are manufactured with extra thickness for superior durability & longer life expectancy
- ⊕ The panels are so well built that they can withstand the strength of a 241km/h cyclone



### HIGH EFFICIENCY

- ⊕ Interconnected flow tubes to prevent heat loss
- ⊕ Every panel is factory pressure tested for strength & leaks
- ⊕ Once the panels are installed, there is no additional maintenance or cost.



### NOT LIKE TYPICAL RIGID SOLAR

- ⊕ Other Panels allow heat to escape between the tubes, cooling the flowing water down.

COCKATOO AND VERMIN RESISTANT

# NANO TEK

## NANO GRAPHITIC COMPOSITE

**WARRANTY**  
 15 YEARS ON SOLAR COLLECTOR  
 5 YEARS ON MANIFOLDS



**60% ROOF COVERAGE**

Enjoy the same heating with **40% less coverage\***



- ✓ Increased wall thickness for strength and durability
- ✓ Angle tipped barbs for easy fitting of the solar collector tube
- ✓ Sharp barbs for better absorber retention
- ✓ Australian made

### Nano Graphitic inner layer

- ⊕ Maximum Thermal Conductivity -transfers the Sun's Free Energy 30% quicker\*
- ⊕ Maximum Chemical Resistance
- ⊕ Enhanced Resistance to Flex Fatigue
- ⊕ Maximum Sealing Retention to Barbs

### Larger 8mm diameter Tubes

- ⊕ 18%\* More Water being Heated
- ⊕ Lower water flow rates for maximum heat transfer
- ⊕ Less back pressure

### Matblack outer material

- ⊕ Outer surface absorbs 20%\* more heat
- ⊕ Maximum UV Resistance
- ⊕ Maximum Heat Absorption from the Matt Skin
- ⊕ Increased Toughness to Resist Mechanical Damage

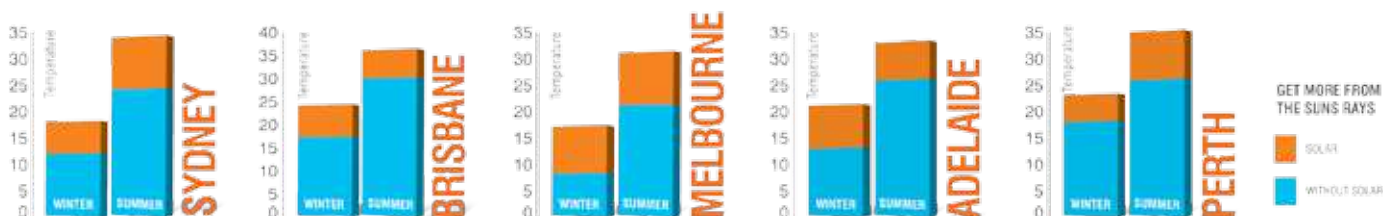
- ✓ MultiLayered Construction, combining the Best materials in the Best position
- ✓ 40% more efficient More heating with less coverage\*
- ✓ Commercial / Professional Grade
- ✓ Superior to any comparable offering
- ✓ 'Long Life' 15 year Warranty\*
- ✓ Formulated to withstand Harsh Australian Conditions
- ✓ Proudly Designed and Manufactured in Australia
- ✓ Australian Standards AS 2369.2-1993
- ✓ Lead Free: Safe for drinking water collection

The most Advanced Multilayered Composite Solar Heating Strip Collector available in the world. NanoTek Graphitic Collector is Boss Patented technology, combining State-of-the-Art Co-Extrusion techniques and High-Tech Nano Polymers. The special Matt Black outer surface absorbs 20% more incident solar radiation than standard solar collector. The Nano-Graphitic inner tubes then transfer the Sun's Energy 30% quicker into 18% more water flowing through the large 8mm diameter tubes.

**MORE HEATING WITH SIGNIFICANTLY LESS COVERAGE**

# THE POWER OF SOLAR

## PROVEN TECHNOLOGY



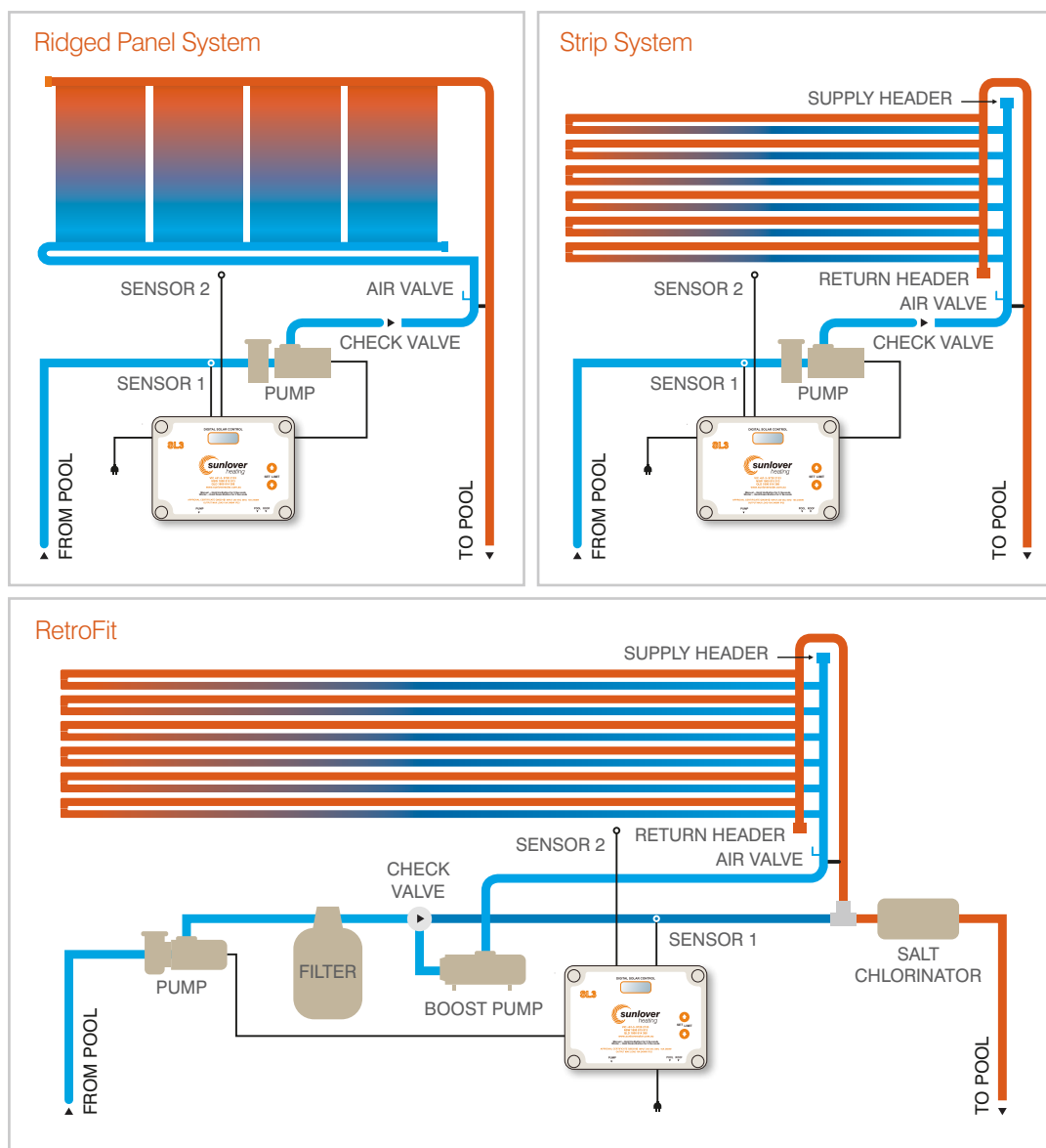
## HOW IT WORKS

Heating water with solar absorber is a proven thermal engineering concept that has been used for centuries.

Solar systems are economical and provide long life because they are simple – cold water is pumped from your pool, through solar absorber on your hot roof, collects heat then makes the return trip to your pool.

The water temperature is managed by an electronic controller.

Today, Sahara Pools applies state of the art systems design and polymer engineering to its solar absorber products to deliver the lowest cost and most reliable heating you can get for your pool.



# CONTROLLING

YOUR FREE SOLAR POOL HEATING

Sahara Pools has a large range of controllers to work in all situations. Functions include:

- + Temperature adjustment
- + Winter & tropical mode
- + Fitted with current detection on the auxiliary outlet power socket such that the solar pump can only operate if the filter pump is running
- + Will run in conjunction with the existing chlorinator
- + Filter Pump multi function Timer
- + Auto Over-Ride that switches the Filter Pump on if the solar gain is present out of normal filter times
- + Manual Over-Ride that locks out the Solar Pump when back washing or cleaning lint pot
- + Extra Power Plug that eliminates the expense of having an additional power point fitted

Sahara Pools solar systems are easy to operate. With a range of electronic controllers featuring easy to follow digital readouts, you can set your desired water temperature and operating times and forget it.

The sophisticated Sunlover Heating digital controllers are reliable, Australian made and serviced, and available with optional wireless remote controls.



## Pool Pumps

We supply pumps by industry leading manufactures such as Astral.



Notes

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Contact Sahara Pools & Solar to find out more about our solar heating range

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