



SOLAR TEMP POOL HEATING

# HEAT PUMPS



## POOL HEAT PUMPS INVERTOR IV20P POOL HEATERS

## POOL HEAT PUMPS MODEL NUMBER STIV20P STD

Heating Capacity kW

BTU

Power Input kW

Running Current A

Power Supply V/Ph/Hz 220-240V-/50

IV020P STD		RANGE	RATED
Heating Capacity	kW	2.2~9.0	9.0
	BTU/h	7100~30700	30700
Heating Power Input	kW	0.19~1.82	1.82
Running Current	A	0.8~7.91	7.91
Power Supply	V/Ph/Hz	230V ~/50Hz	
Compressor Qty	No	1	
Compressor	Type	Rotary/Inverter	
Heat Exchanger	Type	Titanium in PVC	
Refrigerant	Gas	R410a	
Fan Quantity	Nr	1	
Fan Power Input	W	100	
Fan Rotate Speed	RPM	500-700	
Fan Direction	Horizontal/Vertical	Horizontal	
Noise	dB(A)	40-51	
Water Connection	mm	50	
Water Flow Volume	m3/h	3.2	
Water Pressure Drop	kPa	3.0	
Unit Dimensions	Length	1035	
	Width	395	
	Height	770	
Net Weight	kg	52	
Circuit Breaker	Normal	10	

A DEDICATED ELECTRICAL SUPPLY IS REQUIRED. IF COMMON POWER IS USED, THE WARRANTY ON ELECTRICAL PARTS WILL BE VOID.

**Price:** R21,650.00 Price Excluding Vat

All Products Listed are Excluding Vat and excluding Delivery From Cape Town Warehouse. Should you request one of the products we will calculate the delivery cost to get the goods to your Nominated address

## SOLAR TEMP



Visit our online Pool Heating shop. Order  
Pool Heating Blankets - Order Solar Pool  
Heating Panels - Order Bulk 50mm Pvc  
Fittings

SOLAR TEMP POOL HEATING



### SOLAR POOL BLANKETS - 400 MICRON - GEO BUBBLE

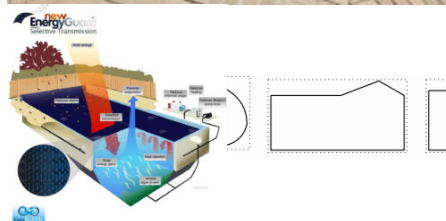
**Price offered is per M2**

STANDARD SOLAR BLANKET SIZES COME IN: 3m, 3.5m, 4m and 5m for the Standard Geo Bubble

If you Pool is 3.2m wide then calculate the rate on 3.5m x Length

Then you will just shape the blanket to your desired size of the pool.

Prices are calculated per m2 subject to the above



#### SOLAR BLANKETS

- OFF THE SHELF SOLAR POOL HEATING BLANKETS
- CHOOSE AN OPTION BELOW THE SIZE THAT CLOSELY RESEMBLES YOUR POOL SIZE



[Help!!! Cant find my blanket size below click for more options](#)

### SOLAR POOL BLANKETS - 400 MICRON - GEO BUBBLE

What is the difference between Solar Pool blankets and a solar cover?

They are also called Solar pool heating blankets. They resemble giant sheets **of bubble wrap**. The bubbles trap heat from the sun and keep the heat in the pool, keeping the water temperature warm and inviting. Solar covers float freely on top of a pool without tie-downs or anchors to hold them in place.

Solar pool blankets function **by trapping free heat energy released from the sun**. The sun's UV rays enter the swimming pool through the translucent bubbles on the solar blanket and are then transferred to the water effectively increasing the temperature by 4 to 8 degrees Celsius.

GeoBubble - Pool covers offer amazing Pool heating and retention

PRODUCT - GeoBubble Thermal Cover 400 Micron

PRODUCT USE

Reduces evaporation and keeps dust and dirt out of the pool

ECO FRIENDLY

Geo Bubble MATERIAL - 400 Micron

### **Solar Blankets - 400 micron - Geo Bubble FEATURE AND BENEFITS**

- A longer swimming season: the water temperature is raised by 6 to 8° C which extends the swimming season on either side of summer.
- For heated pools, a thermal cover is the most effective way to prevent heat loss into the atmosphere. It also protects against overnight drops in temperature, and solar panels and heat pumps are notably more effective where the cover is in use.
- Reduces evaporation by 98%+ : because the cover is in direct contact with the water, it can't evaporate, translating into significant water savings.
- Prevents dirt and debris collecting in the pool, so the water is kept cleaner and pool maintenance is reduced.
- The cover is water-wise too, given the reduction in evaporation.

GUARANTEE

1-year

WARRANTY AND GUARANTEE EXCEPTIONS

Chemical and Mechanical damage

### **Quote Me**

<https://www.solartemp.co.za/solar-pool-heating-blankets-south-africa/>

### **Other Types of Solar Blankets:**

<https://www.solartemp.co.za/shop/solar-blankets-500-micron-energy-st-blanket/>

<https://www.solartemp.co.za/shop/solar-blankets-500-solguard/>

**Price:** R149.00 – R7,450.00 Price Excluding Vat



## PVC 50MM WALL CLIPS

Pvc 50mm Pipe Wall Clips to attach your piping to the side of the house

Pvc 50mm Wall Clips

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R19.00 Price Excluding Vat



## WHITE PVC 50MM 45 DEGREE BENDS

White Pvc 50mm 45 Degree Bends

White Pvc 50mm 45 Degree Bends

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## WHITE PVC 50MM 90 DEGREE BENDS

White Pvc 50mm 90 Degree Bends

White Pvc 50mm 90 Degree Bends

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## WHITE PVC 50MM STRAIGHT JOINTS

PVC - 50MM White Straight Joint

White Pvc 50mm Straight Joints to join pipes together.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## WHITE PVC 50MM T JOINTS

White Pvc 50mm T Joints - T-piece.

White Pvc 50mm T Joints for all your pool heating needs. The Pvc Joint allows you to bypass your pool heating system.

Get some more Pvc Fittings.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R17.95 Price Excluding Vat



## PVC GLUE - 500ML CONTAINERS

Pvc Glue - 500ml Containers

Pvc Glue - 500ml Containers for sale. Pvc Weld is used to permanently join fittings when setting up your pool heating system.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R175.00 Price Excluding Vat

500ml for illustration purposes



## BLACK PVC 50MM END CAPS

Black Pvc 50mm End Caps for sale

Black Pvc 50mm End Caps.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R14.00 Price Excluding Vat



## BLACK PVC 50MM T JOINTS

Black Pvc 50mm T Joints

Black Pvc 50mm T Joints.helps bypass your pool heating system.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R17.95 Price Excluding Vat





## BLACK PVC 50MM 45 DEGREE JOINTS

Black Pvc 50mm 45 degree Joints.

Black Pvc 50mm 45 degree Joints.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## BLACK PVC 50MM 90 DEGREE JOINTS

Black Pvc 50mm 90 degree Joints

Black Pvc 50mm 90 degree Joints used for your pool heating installation.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## BLACK PVC 50MM STRAIGHT JOINTS

Black Pvc 50mm Straight Joint couplings

Black Pvc 50mm Straight Joints to join your pool heating panels

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R15.95 Price Excluding Vat



## BLACK PVC 50MM PIPE 3M

Black Pvc 50mm Pipe 3m

Black Pvc 50mm Pipe 3m to connect your pool heating panels on the roof.

Or consider more fittings

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

**Price:** R98.00 Price Excluding Vat



## DIY SOLAR KIT FOR BASIC SOLAR PANEL INSTALLATION

DIY Solar Kit - Basic Kit - the rest of the fittings you can buy at ontap

The Minimum Requirements would be the following. However you can pick and choose

- 1 x Glue
- 1 x Non return Valve
- 1 x Ball Valve
- 4 x Wall Clips
- 2 x End Caps
- 2 x T-joints

### What you get in a Basic Kit:

- 1 x Glue
- 1 x Non return Valve
- 1 x Ball Valve
- 4 x Wall Clips
- 2 x End Caps
- 2 x T-joints

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

[Solartempgroup](#)

**Price:** R595.00 Price Excluding Vat



## BALL VALVE 50MM

PVC ball valve glue type 50mm

Ball Valve 50mm - Pool Heating. Generally used with T joints to bypass the Pool Heating system. The Valve valve is an essential fitting when installing a pool heating system

**Price:** R98.00 Price Excluding Vat

## FLAPPER VALVE NON RETURN VALVE



Flapper Valve Non Return Valve

### What is a Flapper Valve Non Return?

The Flapper Valve Non Return Valve is used in conjunction with your cold water push through the pool heating panels. When you are not using the pool heating system. The water in the panels will stay primed full of water.

The Flapper-type non-return valves create no back pressure on the pumps and the swing check just swings out the way.

You might be interested in Purchasing other Pvc fittings.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

<https://www.solartemp.co.za/pool-heating-installation-quote/>

[Solartempgroup](#)

**Price:** R29.00 Price Excluding Vat





## SOLAR POOL HEATING PANELS DIY

**Standard Size 3.0m x 1.2m ( CUSTOM size:** we also offer 2m, 2.5m, and 2.8m Panels @ additional R 110.00 Ex Vat Per Panel on standard Cost)

### How to work out how many panels you require

**Example if your pool size is 6m x 3m =18m divided by 3.6m( common panels size) = 5 Panels**

Pool Heating Panels 3.0m x 1.2m each. Please Note our Panels come with a **12 Year Warranty** and all our headers are Class 12 UV Protected



If you only want to Purchase Solar Panels: Then only select the quantity amount and proceed to Cart

## BUY DO IT YOURSELF SOLAR POOL HEATING PANELS

Your swimming season is about to get longer!

CALL: 021 5562413  
Solar heat is FREE heat.

Your swimming pool is a huge investment and you probably bought your pool for many reasons. Fun in the sun with your family, entertainment, exercise, and many other reasons, therefore you are expecting to get the best use out of your pool, but if your pool is too cold to swim in you are not getting the full benefit of this investment.

Many homes now use and enjoy solar heated pools. A solar heated pool is extremely reliable, safe, and durable year after year. You can enjoy the comfort of your solar heated pool, also knowing that you are using an environmentally friendly energy source and saving money! Order your DIY solar heating panels today!!

### Swim-up to 10 Months of the Year

- \* No moisture build-up under collectors that could cause premature roof deterioration.
- \* Solar Temp's unique design virtually eliminates wind load, making it ideal for windy provinces.
- \* Collector is easy to install and operate.
- \* Affordable solar pool heating solution.
- \* Add Value to your swimming pool investment

### DIY Pool Heating Panels

- How to work out how many panels do you require?
- Length x breadth divided by 3.6

**Example 6m x 3m =18m divided by 3.6 = 5 Panels**

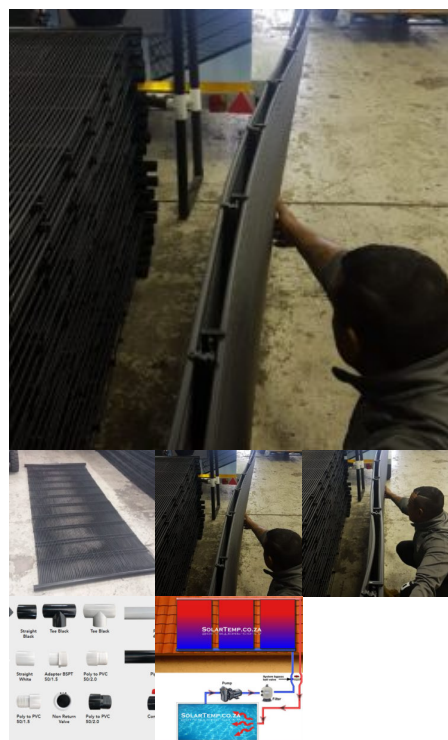
Pool Heating Panels 3.0m x 1.2m each. Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected

NATIONWIDE DELIVERIES

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-double-density/>

[SolarTemp](#)

**Price:** R13.00 – R765.00 Price Excluding Vat



## SOLAR POOL HEATING PANELS DOUBLE DENSITY DIY

## DOUBLE DENSITY SOLAR POOL HEATING PANELS - SPACE SAVERS

### Specifications:

- Header and Footer-Class 12 SABS Black UV Stabilised 50mm uPVC Pipe
- High-Density Polyethylene extruded UV Stabilised riser pipe
- Santoprene TPE UV Stabilised Rubber Grommet
- Standard Size 3.0m x 1.2m ( : **CUSTOM size:** we also offer 2m, 2.5m, and 2.8m Panels @ additional R 225.00 Ex Vat Per Panel on standard Cost)
- Assemble: 2 x Header pipes, 280 Grommets, 140 riser pipes

## START YOUR ONLINE ORDER OR ENQUIRY NOW:

## WHAT IS A DOUBLE DENSITY SOLAR-POOL-HEATING PANEL?

Solar Pool Heating has proven to heat your pool. A solar heated pool is a used pool. Pool Heating means you get to use your pool more often.

A Double density Pool Panel is effectively two panels in one. Saving you space from 2.4m to 1.2m width with just one double-density panel.

install pool heating panels today- it's easy

Your swimming season is about to get longer!

### Why invest in Solar-Pool-Heating?

Solar heat is FREE heat.

Your swimming pool is a huge investment and you probably bought your pool for many reasons. Fun in the sun with your family, entertainment, exercise, and many other reasons.

You can expect to get the best use out of your pool, but if your pool is

too cold to swim in you are not getting the full benefit of this investment.

Many homes now use and enjoy solar heated pools. A solar heated pool is extremely reliable, safe, and durable year after year. You can enjoy the comfort of your solar-heated pool.

Also knowing that you are using an environmentally friendly energy source and saving money! Order your DIY solar heating panels today!!

Swim-up to 10 Months of the Year

**Benefits:**

- \* No moisture build-up under collectors that could cause premature roof deterioration.
- \* Solar Temp's unique design virtually eliminates wind load, making it ideal for windy provinces.
- \* Collector is easy to install and operate.
- \* Affordable solar pool heating solution.
- \* Add Value to your swimming pool investment.

**How to work out how many panels do you require?**

**Length x breadth divided by 3.6m.**

**Example 6m x 3m =18m divided by 3.6 = 5 single Density Panels or three Double density Panels.**

Pool Heating Panels 3.0m x 1.2m each. Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected.

You Might be interested in the following Single density Panel.

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-diy/>

[SolarTempGroup](#)

**Price:** R14.00 – R1,600.00 Price Excluding Vat



## PURCHASE GROUP PVC FITTINGS

Purchase Fittings and Pool heating panels below for your Diy Solar Pool Heating installation.

Mobile tooltip

Purchase Group PVC Fittings to complete your Pool Heating installations.

Most Pools use 50mm Pvc Fitting to route the pipe up to the roof through the panels and back to the outlet of the pool.

Find More information on Solar Pool Heating panels

<https://www.solartemp.co.za/solar-pool-heating-panels/>

[Solar Blankets](#)

**Price:** R10.95 – R1,600.00 Price Excluding Vat

## WHITE PVC PIPES 50MM 3M LENGTHS

White Pvc 50mm 4m Lengths Pipes - PRICE IS PER 3M Length

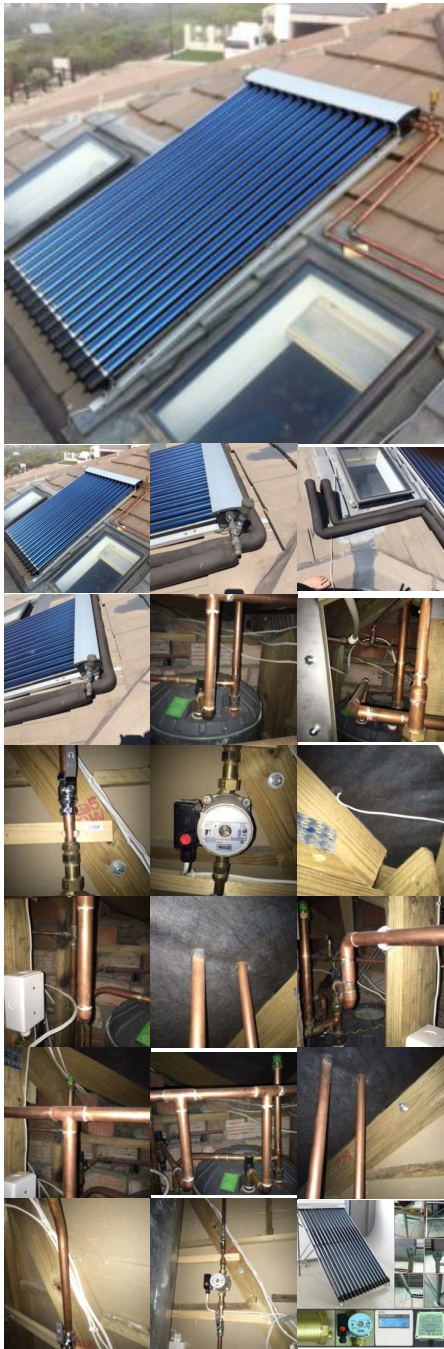
White Pvc 50mm 3m Lengths Pipes

[Purchase Group PVC Fittings](#)

**Price:** R95.00 Price Excluding Vat







## 15 TUBE EVACUATED PANEL SOLAR GEYSER KIT WITH 220V PUMP

### What Is Included in the 15 Tube Evacuated Solar Geyser Kit with 220V pump?

1. 15 Evacuated glass tube collector (size 18 x 58mm diameter 1800mm long)
2. Free Solar Collector stand
3. 220-volt circulation pump RS 15/6 wilo pump (brass)
4. SR868 C8 Intelligent Solar controller
5. SR802 Relay for electric elements
6. Air vent for safety/pressure release valve

### 15 Tube Evacuated Solar Geyser Kit with 220V pump:

### What makes our 15 Tube Evacuated Panel Solar Geyser Kit with 220V pump product Better?

We offer a (24mm condenser) Whilst most of our competitors offer 14mm.

### Description - 15 TUBE Evacuated Solar Geyser with 220-volt circulation pump and intelligent solar controller:

#### Single Target Vacuum Tube

With the 15 Tube Evacuated Panel Solar Geyser Kit with 220V pump, each evacuated tube is composed of two concentric glass tubes; the inner one is coated with a highly selective layer and it converts solar radiation into thermal energy.

As for the outer one, it is a cover to keep the vacuum. Both tubes are fused together and the gap between them is evacuated to achieve excellent thermal vacuum insulation.

### What Is Included in the 15 Tube Evacuated Panel Solar Geyser Kit with 220V pump?

1. Evacuated glass tube collector (size 18 x 58mm diameter 1800mm long)
2. Free Solar Collector stand
3. 220-volt circulation pump RS 15/6 wilo pump (brass)
4. SR868 C8 Intelligent Solar controller
5. SR802 Relay for electric elements
6. Air vent for safety/pressure release valve

#### Single-target Vacuum Tube Performance and Specification:

Tube structure	All-glass double deck co-axial structure
Glass material	High borosilicate 3.3 glass
Outer tube diameter and glass thickness	Ø58±0.7mm; Glass thickness 1.6±0.15mm
Inner tube diameter and glass thickness	Ø47±0.7mm; Glass thickness 1.6±0.15mm
Tube dimension	58*1800mm

	Coating material	AL/AL-ALN(H)/AL-ALN(L)/ALN
Absorption coating property	Sediment method	Single target magnetron sputtering plating
	Absorptivity	0.90-0.93
	Emission ratio	0.05-0.075(800C±50C)
Vacuum degree		P≤5.0X10 <sup>-3</sup> (PA)
Idle sunning property parameters		220-260 m <sup>2</sup> .C/KW
Average heat loss coefficient		ULT=0.6~0.7W/(M2.0C)
Resistant Hail		≤25mm
Useful life		15 years

**If your Geyser is above your intended Panel installation, then consider this option below.**

<https://www.solartemp.co.za/shop/15-tube-evacuated-solar-geyser-kit/>

**Price:** R8,000.00 Price Excluding Vat

## 15 TUBE EVACUATED SOLAR GEYSER KIT

15 Tube Evacuated Solar Geyser and Intelligent Solar Controller **NO PUMP** Thermosyphon

## WHAT MAKES OUR 15 TUBE EVACUATED SOLAR GEYSER KIT PRODUCT BETTER?

**We offer a (24mm condenser) Whilst most of our competitors offer 14mm.**

**This system is sold as follows: 15 TUBE Evacuated Solar Geyser with NO 220-volt circulation pump and intelligent solar controller:**

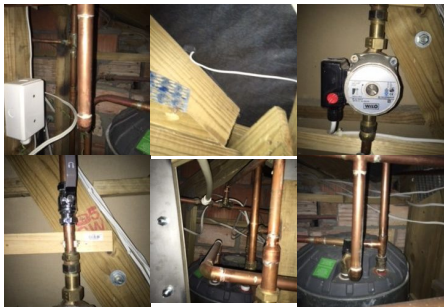
### Single Target Vacuum Tube

Each evacuated tube is composed of two concentric glass tubes; the inner one is coated with a highly selective layer and it converts solar radiation into thermal energy, as for the outer one, it is a cover to keep the vacuum. Both tubes are fused together and the gap between them is evacuated to achieve excellent thermal vacuum insulation.

### What Is Included?

1. Evacuated glass tube collector (size 18 x 58mm diameter 1800mm long)
2. Free Solar Collector stand
3. 220 volt circulation pump RS 15/6 wilo pump (brass) **NO PUMP**





- REQUIRED IF YOUR GEYSER IS ABOVE THE PANEL
- 4. SR868 C8 Intelligent Solar controller
  - 5. SR802 Relay for electric elements
  - 6. Air vent for safety/pressure release valve

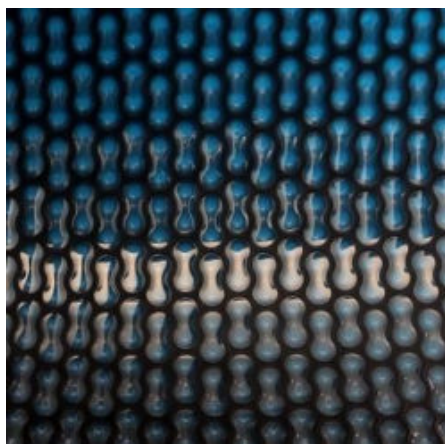
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Tube structure		All-glass double deck co-axial structure
Glass material		High borosilicate 3.3 glass
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Inner tube diameter and glass thickness		Ø47±0.7mm; Glass thickness 1.6±0.15mm
Tube dimension		58*1800mm
Coating material		AL/AL-ALN(H)/AL-ALN(L)/ALN
Absorption coating property	Sediment method	Single target magnetron sputtering plating
	Absorptivity	0.90-0.93
	Emission ratio	0.05-0.075(800C±50C)
Vacuum degree		P≤5.0X10-3(PA)
Idle sunning property parameters		220-260 m².C/KW
Average heat loss coefficient		ULT=0.6~0.7W/(M2.0C)
Resistant Hail		≤25mm
Useful life		15 years

If you are going to install the Evacuated Solar Panel above the Solar Geyser. Please consider the below option:

<https://www.solartemp.co.za/shop/15-tube-evacuated-solar-geyser-with-220-volt-circulation-pump-and-intelligent-solar-controller/>

**Price:** R6,500.00 Price Excluding Vat



## SOLAR BLANKETS 500 MICRON - ENERGYGUARD ST BLANKET

Solar Blankets New GeoBubble™ technology - lead time order +- 7 working days from order and payment date

### ENERGYGUARD ST - 500 MICRON

#### Increasing pool temperatures and inhibiting algae growth

The new Solar Blankets - 500 Micron - EnergyGuard ST blanket selective transmission material is exclusively available with GeoBubble™ technology.

GeoBubble™'s patented shape increases the product's expected lifespan by improving its resistance against UV and chemical attacks typical of the harsh swimming pool environment.

**STANDARD SOLAR BLANKET SIZES COME IN:** 3m, 3.5m, 4m, and 5m for the Standard Geo Bubble

**If your Pool is 3.2m wide then calculate the rate on 3.5m x Length.**

Then you will just shape the blanket to your desired size of the pool.

Prices are calculated per m2 subject to the above



#### SOLAR BLANKETS

- OFF THE SHELF SOLAR POOL HEATING BLANKETS
- CHOOSE AN OPTION BELOW THE SIZE THAT CLOSELY RESEMBLES YOUR POOL SIZE



[Help!!! Cant find my blanket size below click for more options](#)

## SOLAR BLANKETS - 500 MICRON - ENERGYGUARD ST BLANKET

#### What is an EnergyGuard™ Selective transmission cover?

The Solar Blankets 500 Micron - EnergyGuard ST blankets are used to increase pool temperatures and inhibiting algae growth, removing the need to compromise between temperature performance and chemical savings.

Our 500 Micron Solar Blankets selective transmission GeoBubble™ material, the new EnergyGuard™ Selective Transmission material offers the highest possible savings on chemical and solar heating.



By using the process of selective transmission to control solar energy absorption, the water temperature is raised by up to 5°C compared to an uncovered pool, and algae growth.

**Latest innovative EnergyGuard™ Selective Transmission specific benefits:**

By adding a 500 Micron Solar Blankets Increases water temperature by up to 7°C

- Inhibits algae growth
- Reduces filtration times by up to 50%
- Reduces chemical consumption by up to 60%
- Reduces energy consumption by up to 60%
- Reduces time spent on maintenance
- 6-year pro-rata manufacturer's warranty

Can be used as a winter pool cover

**General cover benefits:**

**Available with GeoBubble™ technology**

- Eliminates water evaporation by 98% +
- Reduces debris contamination Reduces the pool's
- carbon footprint

**What is a selective transmission?**

Dark, opaque materials absorb light energy more efficiently than clear materials, however, water also has light absorption properties.

EGST (EnergyGuard™ Selective Transmission) absorbs the wavelengths that promote algae growth. This absorption heats the cover and thus the pool via conduction.

The material also allows the transmission of longer wavelengths directly into the water, heating the pool. Ultimately, the light normally used by algae for growth is instead used to heat the pool, and the algae die off.

Your swimming pool is also heated by the longer wavelengths which are free to pass through the cover and into the water.

Through this selective transmission process algae, growth is inhibited and solar heat gain is promoted.

**Research and Tests**

Plastipack Ltd produced films with different pigments, exhibiting unique optical properties allowing for the absorption of light required for photosynthesis but still allowing penetration of the wavelengths key to heating water.

The heating potential of the covers was then investigated through FEA (finite element analysis), a laboratory experiment using a solar simulator, and product field testing.

The algae's respiration was then monitored by analyzing the pH of the water in which they were suspended.

The material's ability to inhibit algae growth was later confirmed at a field test facility where the controls were repeated and the water was tested in a natural environment during the UK's spring season.

### **How does this translate into Financial Savings?**

An EnergyGuard™ selective transmission cover saves money by reducing water, heating, electricity, and chemical consumption. Depending on local tariffs, the cover has a payback period of approximately one year or less.

### **Reduce Filtration/Pump Time by up to 50%**

The cover's ability to inhibit algae growth combined with the fact that debris collects on the cover, not in the pool water, means filtration time can be reduced by up to 50%, translating into a significant reduction in electricity usage.

Some filtration will still be required to circulate the water and remove impurities from the pool.

If the pool has heavy traffic, slightly more filtration will be needed to maintain water hygiene.

### **Reduce Chemical Consumption by up to 60%**

There are two ways in which to control algae in a swimming pool – treatment with chemicals or by preventing its growth in the first place. The EnergyGuard™ Selective Transmission pool cover uses the latter preventative approach by controlling light entry.

On outdoor pools, approximately 90% of the chlorine is used on the oxidation of debris and then further chlorine losses occur due to the natural photolysis reaction.

The EnergyGuard™ Selective Transmission material reduces this. Without the growth of algae and its impact on the water's pH, further savings are made on chemicals. Furthermore, the material prevents the loss of chlorine that typically occurs in the evaporation process.

Chemicals stay in the pool and work more effectively under an EnergyGuard™ Selective Transmission cover. Tests were done in collaboration with UK universities to prove that in UK conditions an average-sized pool (4m x 8m) covered with the new EnergyGuard™ selective transmission material allows chemical savings of up to 60%.

This equates to approximately 11kg of chlorine saved in one year.

### **Reduce Energy Consumption by over 60%**

Pool heating costs are reduced with the new EnergyGuard™ Selective Transmission cover. Heat retention tests carried out in collaboration with two UK Universities showed energy savings of over 60%.

This applied to all kinds of heating systems and, in the case of solar heating, half the amount of panels normally required for heating an uncovered pool are sufficient.

On an average-sized UK pool (4m x 8m) fitted with a modern heat pump, up to 5000 kWh can be saved on heating costs every year.

### **Eliminate Water Evaporation by 98% +**

Because water can't evaporate when covered, a pool cover is an effective way to instantly lighten the pool's water footprint and conserve a precious resource. With evaporation curbed by over 98% where a pool cover is in use, the money saved on the water is considerable.

Research carried out in collaboration with two UK Universities showed that in the UK an average-sized pool (4m x 8m) loses approximately 32,000 liters of water per year. This equates to approximately 400 baths. This figure is considerably higher in hotter climates and windy conditions.

On heated pools, water evaporation rates are always higher, so these savings are further increased where the pool has electrical or solar heat pumps/panels.

#### **Reduce Debris:**

Solar Blankets assist in reducing Leaves, dirt, insects, bird droppings, and other debris that are not only unsightly in a swimming pool but also provide nutrients for algae and bacteria.

A pool cover keeps such contaminants out of the water, improving the water hygiene and aesthetics as well as reducing chemical consumption.

#### **GeoBubble™ technology**

The new EnergyGuard™ selective transmission Solar Blankets material is exclusively available with GeoBubble™ technology. GeoBubble™'s patented shape increases the product's expected lifespan by improving its resistance against UV and chemical attacks typical of the harsh swimming pool environment.

#### **Benefits to the environment:**

With the Solar Blankets ability to reduce the amount of energy required for filtration and heating, as well as its water-saving properties, the new EnergyGuard™. At the end of its lifespan, it is 100% recyclable (Grade 4 LDPE recycling).

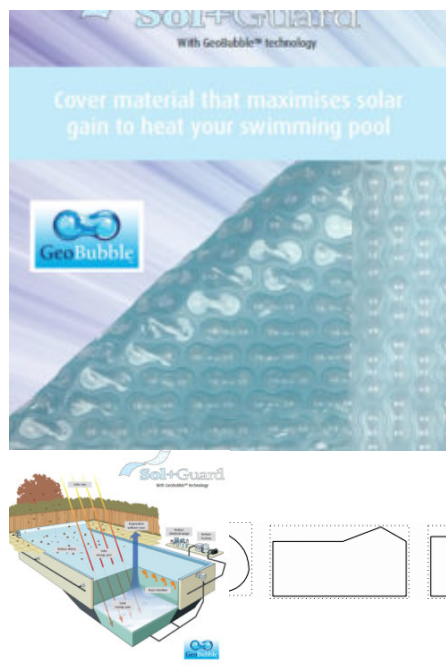
## **OTHER POOL HEATING BLANKETS TO CHOOSE FROM:**

<https://www.solartemp.co.za/shop/solar-blankets-500-solguard/>

<https://www.solartemp.co.za/shop/solar-blankets-400-micron-geo-bubble/>

[Solar Blankets](#)

**Price:** R195.00 – R9,750.00 Price Excluding Vat



## SOLAR BLANKETS 500-MICRON SOL+GUARD

GeoBubble™ technology - lead time order +/- 7 working days from order and payment date.

### ENERGY SOL+GUARD – 500 MICRON Pool Heating Blankets

The Sol+Guard™ 500-micron transparent swimming pool material transmits 80% of the sun's energy in the visual and IR spectrum through the material to heat the water and basin of the swimming pool. Tests in the UK have shown temperature increase of up to 6°C and testimonials from hotter climates estimate up to 8°C above the ambient pool temperature, reducing the heating demand by up to 70%.

**STANDARD SOLAR BLANKET SIZES COME IN: 3m, 3.5m, 4m, and 5m for the Standard Geo Bubble**

If your Pool is 3.2m wide then calculate the rate on 3.5m x Length

Then you will just shape the blanket to your desired size of the pool.

Prices are calculated per m2 subject to the above



### SOLAR BLANKETS

- **OFF THE SHELF SOLAR POOL HEATING BLANKETS**
- **CHOOSE AN OPTION BELOW THE SIZE THAT CLOSELY RESEMBLES YOUR POOL SIZE**



[Help!!! Can't find my blanket size below click for more options](#)

### Pool Heating Solar Blankets 500-Micron Sol+Guard:

The 500-Micron Solar Blankets Sol+Guard transparent swimming pool material transmits 80% of the sun's energy in the visual and IR spectrum through the material to heat the water and basin of the swimming pool.

Tests in the UK have shown temperature increase of up to 6°C and testimonials from hotter climates estimate up to 8°C above the ambient pool temperature, reducing the heating demand by up to 70%. As a result, you can benefit today by installing a Solar Blanket.

### Evaporation Prevention:

By working as a physical barrier to evaporation the Sol+Guard™ material both prevents the loss of a costly resource and prevents evaporative cooling of the water. Evaporation is responsible for 70% of the heat loss from a pool due to the evaporation process's high energy requirement.



To heat one gram of water at 1°C requires 1 calorie of energy as the same gram changes phase and evaporates 540 calories are consumed resulting in heat loss in the swimming pool.

By simply covering the pool with the Sol+Guard™ material evaporation is reduced by over 98% resulting in the preservation of the water resources and increased temperatures within the swimming pool. You too can benefit from installing a pool Blanket

#### **Insulating Properties:**

The air cells in the Sol+Guard™ material allow the cover to stay buoyant and provide insulation. Radiation of heat into the atmosphere is responsible for 20% of the heat lost from a pool.

The prevention of evaporation, the insulation, and high transmission properties of the material help maintain a comfortable swimming environment while saving resources and costs of running a swimming pool. You can also Save by installing a blanket.

#### **Quality and Longevity:**

The improved GeoBubble™ design and the unique additive package of the Guard product range has been scientifically developed to provide higher performance and longevity of the blended LDPE 4 polyethylene cover material.

Providing a sustainable 100% recyclable, energy and cost-saving product which comes with a 6-year pro-rata manufactures warranty.

#### **With GeoBubble™ technology:**

- Solar rays Reduce debris
- Solar energy gain
- Solar energy gain
- Heat retention Evaporation without cover Reduce heating
- Reduce chemical usage
- [Solar Blankets](#)

#### **Other Blanket Types:**

<https://www.solartemp.co.za/shop/solar-blankets-500-micron-energy-st-blanket/>

<https://www.solartemp.co.za/shop/solar-blankets-400-micron-geo-bubble/>

**Price:** R195.00 – R9,751.30 Price Excluding Vat



## WHITE PVC 50MM T JOINTS

White Pvc 50mm T Joints

White Pvc 50mm T-joints Helps Bypass the pool flow to the Panels.

Warm water can be used to heat your pool year-round by connecting a White PVC T joint to a hot water heating line and connecting it to your pool's return line, heating element, and pump.

Quick, easy, and professional. Eliminate tooling costs with these white PVC 50mm T Joints. They resist kinks and provide a leak-proof seal. Made of PVC.

T-Joints are the perfect tool for pool heating. Our white PVC 50mm T Joints are sold individually. T-Joints are made from white PVC and come 50mm in diameter. Ideal for pool heating.

<https://www.solartemp.co.za/shop/solar-pool-heating-panels/>

**Price:** R17.95 Price Excluding Vat



## SOLAR POOL HEATING PANELS DIY - SINGLE DENSITY BUY

**The best way to work out how many panels do you require?**

Example if your pool size is 6m x 3m = 18m divided by 3.6m (common panels size) = 5 Panels

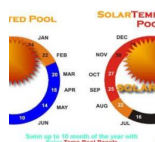
Pool Heating Panel sizes are standard at 3.0m x 1.2m each.

Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected

**By Adding Solar Pool Heating Panels Diy - Single Density- Your swimming season is about to get longer!**

**DO IT YOURSELF SOLAR POOL PANELS ARE ON SALE TODAY AT AFFORDABLE PRICES.**

Try Adding Solar Panels Diy - Single Density Panels. Solar heat is FREE heat for your swimming pool, which is a huge investment and you probably bought your pool for many reasons. Have Fun in the sun with your family, entertainment, exercise, and many other reasons, therefore you are expecting to get the best use out of your pool, but if your pool is too cold to swim in you are not getting the full benefit of this investment. Many homes now use and enjoy solar heated pools. The Pool heating panels are ergonomically designed and can increase your pool temperature by 6-8 degrees even as high as 12 degrees should you add a [Solar Pool Heating Blanket](#) A solar heated pool is



extremely reliable, safe, and durable year after year. You can enjoy the comfort of your solar heated pool, also knowing that you are using an environmentally friendly energy source and saving money! Order your DIY solar heating panels today!!

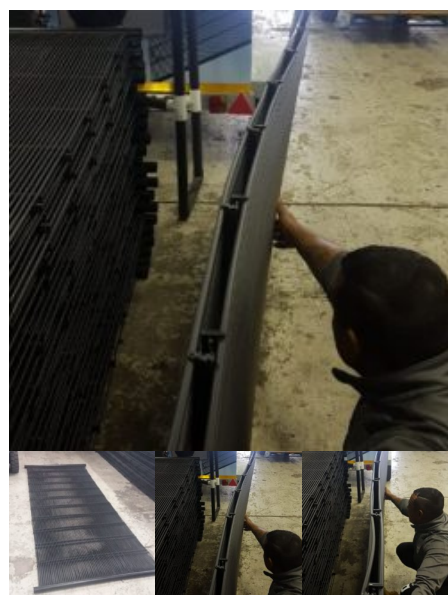
**With a Solar Temp Pool-Heating Installation, you can expect to Swim-up to 10 Months of the Year**

\* No moisture build-up under collectors that could cause premature roof deterioration. \* Solar Temp's unique design virtually eliminates wind load, making it ideal for windy provinces. \* Collector is easy to install and operate. \* Affordable solar pool-heating solution. \* Add Value to your swimming pool investment Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected NATIONWIDE DELIVERIES

<https://www.solartemp.co.za/pool-heating-installation-quote/>

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-diy/>

**Price:** R765.00 Price Excluding Vat



## SOLAR POOL HEATING PANELS DOUBLE DENSITY

## DOUBLE DENSITY SOLAR POOL HEATING PANELS - SPACE SAVERS

### Specifications:

- Header and Footer-Class 12 SABS Black UV Stabilised 50mm uPVC Pipe
- High-Density Polyethylene extruded UV Stabilised riser pipe
- Santoprene TPE UV Stabilised Rubber Grommet
- Size 3.0m x 1.2m
- **(we also offer Custom 2m, 2.5m, and 2.8m Panels @Additional R200.00 ex vat per Panel Labor)**
- Assemble: 2 x Header pipes, 280 Grommets, 140 riser pipes

## SOLAR POOL HEATING PANELS DOUBLE DENSITY

Solar Pool Heating has proven to heat your pool. A solar heated pool is a used pool. Pool Heating means you get to use your pool more often. install pool heating panels today- it's easy

**Your swimming season is about to get longer!**

### BUY DIY SOLAR POOL HEATING PANELS

Solar heat is FREE heat.

Your swimming pool is a huge investment and you probably bought your pool for many reasons. Fun in the sun with your family, entertainment, exercise, and many other reasons, therefore you are expecting to get the best use out of your pool, but if your pool is too

cold to swim in you are not getting the full benefit of this investment.

Many homes now use and enjoy solar heated pools. A solar heated pool is extremely reliable, safe, and durable year after year. You can enjoy the comfort of your solar heated pool, also knowing that you are using an environmentally friendly energy source and saving money! Order your DIY solar heating panels today!!

Swim-up to 10 Months of the Year

- \* No moisture build-up under collectors that could cause premature roof deterioration.
- \* Solar Temp's unique design virtually eliminates wind load, making it ideal for windy provinces.
- \* Collector is easy to install and operate.
- \* Affordable solar pool heating solution.
- \* Add Value to your swimming pool investment

### **DIY Pool Heating Panels**

#### **How to work out how many panels you require**

#### **Length x breadth divided by 3.6**

**Example 6m x 3m =18m divided by 3.6 = 5 single Density Panels or three Double density Panels**

Pool Heating Panels 3.0m x 1.2m each. Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected

NATIONWIDE DELIVERIES

You Might be interested in the following

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-diy/>

**Price:** R1,600.00 Price Excluding Vat

## NON RETURN VALVE 50MM PVC



Non Return Valve 50mm Pvc model number -U SCH40ASTM.D2466  
50MM PVC

All non return valve will allow a stream of water from the pool to flow in one direction but will prevent any flow back from exiting the pipe. Due to an NRV, a person cannot return to the pool after swimming or diving all the way from the opposite end.

Connect the flow of the return hose to the NRV at the overflow, the return hose then goes inside the pool with the power of the pump. The NRV will stop any water from going back the way it came.

NRV 50mm for pool heating allows water only one way, so your heater is maximized efficiency. Designed to maximize efficiency, these effective non-return valves have a one-way valve that lets water run through the center of the three-dimensional NRV which lets the water out but no one in.

This saves you money in your heater's running costs as you are no longer using and wasting Heat.

<https://www.solartemp.co.za/shop/purchase-group-pvc-fittings/>

[Find us on Google](#)

**Price:** R186.00 Price Excluding Vat

## REPLACEMENT POOL HEATING GROMMETS



Replacement grommets- The Price listed is per grommet.

The top diameter is 11mm and the length is 17mm.

## REPLACEMENT POOL HEATING GROMMETS

**Price:** R10.95 Price Excluding Vat



## **GEYSERWISE MAX CONTROLLER - FOR PUMPED SYSTEM**

## **GEYSERWISE MAX CONTROLLER FOR SOLAR APPLICATION**

**For use in pumped solar water heating systems**

## **GEYSERWISE MAX**

**For use in pumped solar water heating systems**

### **Description**

#### **Use as a geyser timer**

- Clear display of water temperature, time, day, heating mode and malfunction conditions.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E7.
- Electronic thermostat with mechanical thermal cut-out at 90°C.

#### **Use as timer on a thermosyphon solar system**

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E7.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for solar systems expected to reach temperatures above this temperature.



### **Use as timer and differential control on pumped solar system**

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E9.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for systems expected to reach temperatures above this temperature.
- Differential controller 12V and 220V systems.

### **Technical Parameters**

- Operating voltage 230VAC / 50HZ.
- Main Relay contact rating 30AMP (Max 4KW).
- Secondary relays pump and solenoid 5Amp.
- Operating voltage range 160V - 250V AC.
- Earth leakage protection at 25MA action time = 0,1 second.
- Temperature display range 0 - 99°C ("-5" when below -5°C "EA" when above 99°C).
- High temperature warning above 84°C.
- Temperature setting ranges 30 - 65°C (heating water electrically).
- Heat failure - when increase at a rate of less than 4°C per hour.
- Electronic thermostat with mechanical thermal cut-out at 90°C.
- Dry heat detection - empty cylinder.
- Temperature tolerance  $\pm 2\%$ .
- Temperature differential setting 1°C.
- Switching differential 6°C.
- 2nd temperature probe for solar.
- Solar differential 7°C.
- Temperature probe failure detection for both collector and tank.
- Temperature probe range for geyser is -30 to + 130°C.
- Temperature probe range for collector is -30 to + 260°C.
- Isolate both L + N when in off state.
- Collector antifreeze protection at 5°C

**Price:** R1,595.00 Price Excluding Vat





## GEYSERWISE TSE CONTROLLER FOR THERMOSYPHON SOLAR SYSTEM

### GEYSERWISE TSE

**For use in in Thermosyphon Solar Systems and Normal Geysers**

### GEYSERWISE TSE

**For use in in Thermosyphon Solar Systems and Normal Geysers**

#### Description

##### Use as a geyser timer

- Clear display of water temperature, time, day, heating mode and malfunction conditions.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E2 to E5.
- Electronic thermostat with mechanical thermal cut-out at 90°C.

##### Use as timer on a thermosyphon solar system

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E2 to E5.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for solar systems expected to reach temperatures above this temperature.

#### Technical Parameters

- Operating voltage 230VAC / 50HZ.
- Main relay contact rating 30AMP (Max 4KW).
- Operating voltage range 160V - 250V AC.
- Temperature display range 0 - 99°C ("-5" when below -5°C "EA" when above 99°C).
- High temperature warning above 84°C.
- Temperature setting ranges 30 - 65°C (heating water electrically).
- Heat failure - when increase at a rate of less than 4°C per hour.
- Mechanical thermal cut-out at 90°C. Please note the cut-out temperature for systems expected to reach temperatures above this temperature.
- Dry heat detection - empty cylinder.
- Temperature tolerance  $\pm 2\%$ .
- Temperature differential setting 1°C.
- Switching differential 6°C.



- Temperature probe failure detection for tank
- Temperature probe range for geyser is -30 to + 130°C.

**Price:** R1,100.00 Price Excluding Vat

**SOLAR GEYSER FLAT PLATE 150LTR AND 200LTR WITH ACCESSORIES**

**Price:** R1,100.00 – R4,350.00 Price Excluding Vat



**POOL HEAT PUMPS INVERTOR IV20P POOL HEATERS**

**POOL HEAT PUMPS MODEL NUMBER STIV20P STD**

Heating Capacity kW

BTU

Power Input kW

Running Current A

Power Supply V/Ph/Hz 220-240V-/50





IV020P STD		RANGE	RATED
Heating Capacity	kW	2.2~9.0	9.0
	BTU/h	7100~30700	30700
Heating Power Input	kW	0.19~1.82	1.82
Running Current	A	0.8~7.91	7.91
Power Supply	V/Ph/Hz	230V ~/50Hz	
Compressor Qty	No	1	
Compressor	Type	Rotary/Inverter	
Heat Exchanger	Type	Titanium in PVC	
Refrigerant	Gas	R410a	
Fan Quantity	Nr	1	
Fan Power Input	W	100	
Fan Rotate Speed	RPM	500-700	
Fan Direction	Horizontal/Vertical	Horizontal	
Noise	dB(A)	40-51	
Water Connection	mm	50	
Water Flow Volume	m3/h	3.2	
Water Pressure Drop	kPa	3.0	
Unit Dimensions	Length	1035	
	Width	395	
	Height	770	
Net Weight	kg	52	
Circuit Breaker	Normal	10	

A DEDICATED ELECTRICAL SUPPLY IS REQUIRED. IF COMMON POWER IS USED, THE WARRANTY ON ELECTRICAL PARTS WILL BE VOID.

**Price:** R21,650.00 Price Excluding Vat

LDPE PIPE, 40 MM X 100 M CLASS 03

LDPE PIPE, 40 MM X 100 M CLASS 03

More Information

**Material type**

LDPE (Low-density polyethylene)

**Nominal pressure**

PN 03

**Item id**

219

**Price:** R1,409.00 Price Excluding Vat



## AIR LINE VACUUM BREAKER

### AIR LINE VACUUM BREAKER WITH TEE JOINT FOR 50MM PIPE. ONLY NECESSARY IF THE TEMPRETURE IN YOUR PART OF THE COUNTRY DROPS BELOW 0 DEGREES



Vacuum breakers . The airline vacuum breaker has a 1/2 inch standard BSP thread to fit PVC and plastic pipe fittings. The vacuum breaker closes 100% under pressure, but should the power fail and there is any amount of vacuum in the pipeline, it will drop open and allow air into the pipeline. This helps break pipe vacuums that tend to lead to back-siphoning of water. Water that back-siphons can damage air blowers. The best solution is to have the blower installed above the water level so that back-siphoning of water under vacuum cannot occur. However, the air vacuum breaker is an added precaution. It small size makes it suited to small systems.

The Vacuum Breaker is a 1/2" B.S.P. thread vacuum relief valve which is used to prevent the build up of negative pressure in a pipeline due to drainage by gravity which could cause the collapse of and damage to pipelines. It does not release air under pressure.

**Price:** R595.00 Price Excluding Vat

All Products Listed are Excluding Vat and excluding Delivery From Cape Town Warehouse. Should you request one of the products we will calculate the delivery cost to get the goods to your Nominated address

# SOLAR

## SOLAR POOL HEATING PANELS DIY - SINGLE DENSITY BUY

### The best way to work out how many panels do you require?

Example if your pool size is 6m x 3m = 18m divided by 3.6m (common panels size) = 5 Panels

Pool Heating Panel sizes are standard at 3.0m x 1.2m each.

Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected

**By Adding Solar Pool Heating Panels Diy - Single Density- Your swimming season is about to get longer!**

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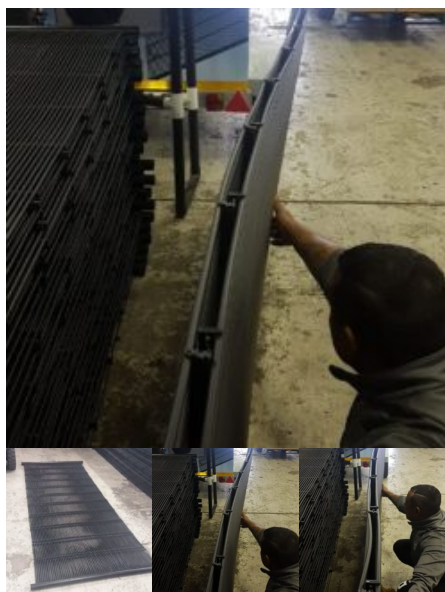
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NATIONWIDE DELIVERIES

<https://www.solartemp.co.za/pool-heating-installation-quote/>

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-diy/>

**Price:** R765.00 Price Excluding Vat





## SOLAR POOL HEATING PANELS DOUBLE DENSITY

## DOUBLE DENSITY SOLAR POOL HEATING PANELS - SPACE SAVERS

### Specifications:

- Header and Footer-Class 12 SABS Black UV Stabilised 50mm uPVC Pipe
- High-Density Polyethylene extruded UV Stabilised riser pipe
- Santoprene TPE UV Stabilised Rubber Grommet
- Size 3.0m x 1.2m
- **(we also offer Custom 2m, 2.5m, and 2.8m Panels @Additional R200.00 ex vat per Panel Labor)**
- Assemble: 2 x Header pipes, 280 Grommets, 140 riser pipes

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### DIY Pool Heating Panels

### How to work out how many panels you require

**Length x breadth divided by 3.6**

**Example 6m x 3m =18m divided by 3.6 = 5 single Density**

### **Panels or three Double density Panels**

Pool Heating Panels 3.0m x 1.2m each. Please Note our Panels come with a 12 Year Warranty and all our headers are Class 12 UV Protected

NATIONWIDE DELIVERIES

You Might be interested in the following

<https://www.solartemp.co.za/shop/solar-pool-heating-panels-diy/>

**Price:** R1,600.00 Price Excluding Vat

### **SOLAR GEYSER FLAT PLATE FOR 200LTR GEYSER**

**Price:** R4,350.00 Price Excluding Vat







## **GEYSERWISE MAX CONTROLLER - FOR PUMPED SYSTEM**

## **GEYSERWISE MAX CONTROLLER FOR SOLAR APPLICATION**

**For use in pumped solar water heating systems**

## **GEYSERWISE MAX**

**For use in pumped solar water heating systems**

### **Description**

#### **Use as a geyser timer**

- Clear display of water temperature, time, day, heating mode and malfunction conditions.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E7.
- Electronic thermostat with mechanical thermal cut-out at 90°C.

#### **Use as timer on a thermosyphon solar system**

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E7.
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#### **Use as timer and differential control on pumped solar system**

- Clear display of water temperature, time, day, heating mode and malfunction conditions on solar system and geyser.
- Auto or manual heating.
- Easy temperature setting to your requirements (30 - 65°C) factory default is 55°C.
- Four different temperature settings.
- Daily programmable timer with four time settings.
- Error conditions alert by warning code E1 to E9.
- Electronic thermostat with mechanical thermal cut-out at 90°C. Please note the cut-out temperature for systems expected to reach temperatures above this temperature.
- Differential controller 12V and 220V systems.

### Technical Parameters

- Operating voltage 230VAC / 50HZ.
- Main Relay contact rating 30AMP (Max 4KW).
- Secondary relays pump and solenoid 5Amp.
- Operating voltage range 160V – 250V AC.
- Earth leakage protection at 25MA action time = 0,1 second.
- Temperature display range 0 - 99°C ("-5" when below -5°C "EA" when above 99°C).
- High temperature warning above 84°C.
- Temperature setting ranges 30 - 65°C (heating water electrically).
- Heat failure – when increase at a rate of less than 4°C per hour.
- Electronic thermostat with mechanical thermal cut-out at 90°C.
- Dry heat detection – empty cylinder.
- Temperature tolerance  $\pm 2\%$ .
- Temperature differential setting 1°C.
- Switching differential 6°C.
- 2nd temperature probe for solar.
- Solar differential 7°C.
- Temperature probe failure detection for both collector and tank.
- Temperature probe range for geyser is -30 to + 130°C.
- Temperature probe range for collector is -30 to + 260°C.
- Isolate both L + N when in off state.
- Collector antifreeze protection at 5°C

**Price:** R1,595.00 Price Excluding Vat

## GEYSERWISE TSE CONTROLLER FOR THERMOSYPHON SOLAR SYSTEM

### GEYSERWISE TSE

For use in in Thermosyphon Solar Systems and Normal Geysers

### GEYSERWISE TSE

For use in in Thermosyphon Solar Systems and Normal Geysers

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- Daily programmable timer with four time settings.
- Error conditions alert by warning code E2 to E5.
- Electronic thermostat with mechanical thermal cut-out at 90°C.





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### Technical Parameters

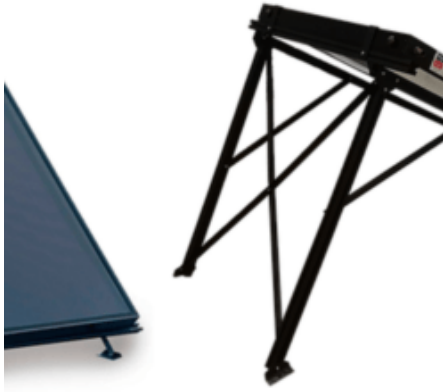
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- Operating voltage range 160V - 250V AC.
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- Dry heat detection - empty cylinder.
- Temperature tolerance  $\pm 2\%$ .
- Temperature differential setting 1°C.
- Switching differential 6°C.
- Temperature probe failure detection for tank
- Temperature probe range for geyser is -30 to + 130°C.

**Price:** R1,100.00 Price Excluding Vat



### SOLAR GEYSER FLAT PLATE 150LTR AND 200LTR WITH ACCESSORIES

**Price:** R1,100.00 – R4,350.00 Price Excluding Vat



## SOLAR GEYSER FLAT PLATE FOR 150LTR GEYSER

**Price:** R3,910.00 Price Excluding Vat





## FLAT ROOF FRAME FOR FLAT SOLAR PANEL

Flat Roof Frame for Flat Solar Panel

**Price:** R1,395.00 Price Excluding Vat

All Products Listed are Excluding Vat and excluding Delivery From Cape Town Warehouse. Should you request one of the products we will calculate the delivery cost to get the goods to your Nominated address