

Run On Sun Australia Pty Ltd. ABN No 90 135 933 176

P.O Box 34
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Ph 02 6734 6322
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CERTIFIED TO AUSTRALIAN AND
NEW ZEALAND STANDARDS.

AS/NZS 2712
AS/NZS 3498



FREEZE PROOF:

All systems supplied by Run On Sun Australia Pty Ltd are certified to work in temperatures down to minus 15 degrees Celsius without the need of copper coils, electronic controllers, pumps or antifreeze chemicals.

RUN ON SUN EVACUATED TUBES:

The evacuated tubes we supply are known as the “Sydney tri tube”. They are close to 14% more efficient than some other brands in their ability to turn solar absorption into heat energy. This is due to the latest technology using a solar copper absorption coating on the inner tube, this is the most up to date patent held by Sydney University.

THE STRONGEST “SYDNEY TUBES “ ON THE MARKET:

All Run On Sun tubes have a 2 mm thick sidewall; we pay close to double the price compared to the standard 1.7 mm sidewall and over triple the price of the lower cost tube coatings. Not all tubes are the same.

A BROKEN TUBE DOES NOT STOP HOT WATER PRODUCTION:

In the unlikely event that one of our tubes should break, it does not stop the system working, it just reduces the efficiency by 3.33% to 5.55%. A tube can be replaced within 10 minutes. All our systems are supplied with two spare tubes.

MARINE GRADE STAINLESS STEEL INNER CYLINDER FOR LONG LIFE:

The inner cylinder is made from 316L marine grade stainless steel and the welding is done in an argon gas environment, giving the cylinder superior strength around the welds. The welding equipment used is the latest robotic argon arc technology imported from the U.S.A.

304-GRADE STAINLESS STEEL OUTER CYLINDER, FRAME AND MOUNTING KIT WILL STAY LIKE NEW FOR THE LIFE OF THE SYSTEM:

Unlike other brands that use lower grades and thinner stainless steel for the frame, Run On Sun has spent more money and used 304-grade and increased its thickness to 2-mm, this will keep the frame and outer cylinder looking like new for the full life of the solar water heater. An Australian engineered and cyclone rated mounting kit also made from 304-grade stainless steel is included with each system.

EVERY VALVE IS INCLUDED IN THE PRICE:

All valves required by regulations and some that are not are included in the advertised prices saving you around \$600 off your installation costs.

LOCAL INSTALLERS:

The simplicity of the installation allows your local accredited licensed plumber to be employed to do the job.

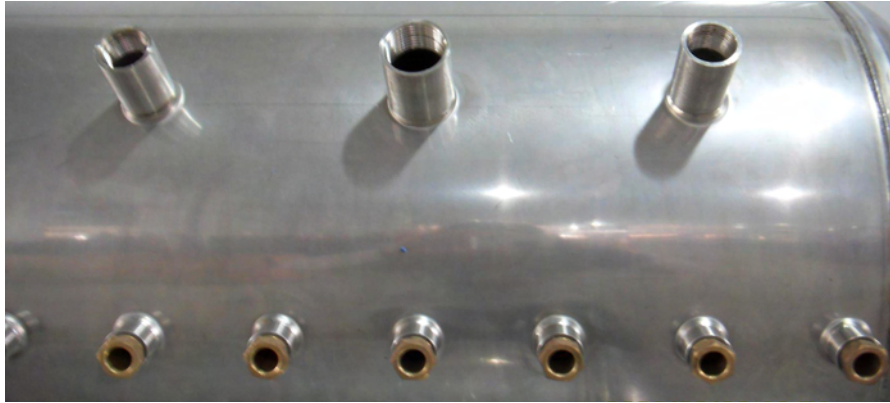
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Tested & Certified to AS/NZS 2712
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Run On Sun Australia Pty Ltd.

The finished 316L marine grade inner stainless steel cylinder.



The 8 cm long copper-heating Sleeves are flanged at the end. Totally leak proof.



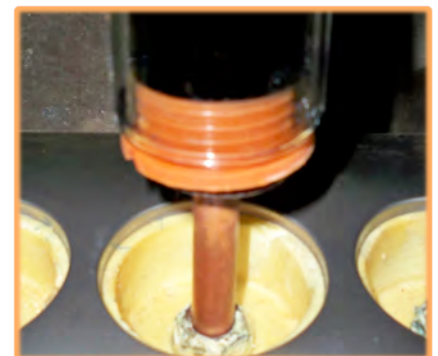
The long heat pipe sleeves have more than double the surface area that is in direct contact with the water in comparison to other evacuated tube systems.



Vacuum-sealed copper heat pipes with 8 cm long bulbs that start generating steam at around 25 deg C.

Finished outer with insulation and s/s shell. Quality welding

8-cm of direct plug for direct heat.



Over 40% more efficient than the old flat plate collectors in cloudy weather



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Marine grade 316L stainless steel inner cylinder

A new Australian engineered, cyclone rated 304-grade stainless steel mounting kit is included with every system (Not shown).

10-Degree frame angle, 2-mm thick 304-grade stainless steel frame for high pitch roofs



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Marine grade 316L stainless steel inner cylinder
A new Australian engineered, cyclone rated
304-grade stainless steel mounting kit is
included with every system (Not shown).

30-Degree frame angle, 2-mm thick 304-grade stainless
steel frame for low pitch roofs



The copper spiraled coating on the outside of the inner vacuum tube is the patented technology from Sydney University



AS/NZS 2791
AS/NZS 3498



The copper heat pipe was designed in Germany.
Within 10 minutes of sun exposure, the bulb on the heat pipe can reach temperatures in excess of 150-degC.
The design allows the heat to be maintained at the same time it is transferred to the water.

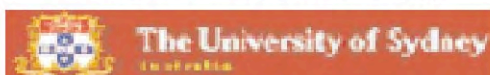
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Patented Technology



VACUUM TUBE TECHNOLOGY:

The evacuated tube is similar to a conventional Dewar's flask and consists of two borosilicate glass tubes, a glass with high chemical and thermal shock resistance also known as "Pyrex".

The outer side of the inner tube is coated with a sputtered solar selective surface, AlN/AlN-SS/Cu.

The space between the outer tube and the inner tube is evacuated to virtually eliminate heat loss by conduction and convection. The temperature inside the inner tube can be in excess of 280 degC, yet the outer tube will be cool to touch. The tri element coating on the outside of the inner tube is produced according to two new patents from Sydney University. These evacuated tubes are the most efficient tubes available?

All "run On Sun" solar water heaters and heat pipe collectors will be fitted with the "Sydney tri - element evacuated tubes".

Our 58 mm x 1800 mm vacuum tubes have been upgraded from a 1.5 mm wall thickness to the top of the line 2 mm wall thickness.



Advantages of the 2 mm Sydney Tri-Element evacuated tubes.

High durability and hail resistance up to 32 mm.

Solar absorption more than 96%.

Around 14% more efficient than most other brands.

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RUN ON SUN AUSTRALIA Pty Ltd

Heat pipe direct plug pressure system.

Models ROSAHPG and ROSAHPPEL 160. 220. 270 litres.

Specifications:

Inner cylinder - 1.2 mm marine grade stainless steel 316L.

Outer cylinder - 0.5mm stainless steel SUS304.

Insulation - High density polyurethane 52.5 mm thick.

(72 hours heat preservation in a sub zero climate).

Heat pipes - Red copper, 1.8 meters long. (Level 2 freeze resistant -15 degC)

Evacuated tubes – “Sydney tubes” Tri element with a 2-mm wall thickness.

Frame and mounting kit – 304 grade 2-mm thick stainless steel.

Connect straight to the mains or a pressure pump, in conjunction with the certified plumbing kit supplied by Run on sun Australia.

The copper inserts on the inner cylinder can be replaced if they become encrusted with calcium deposits or need to be cleaned after several years.



This system works in some of the coldest climates in the world.

The amount of tubes have not been reduced for Australian conditions, this allows the system to produce hot water without auxiliary heating during winter even with extended periods of cloud cover, the Bosch booster will rarely turn on.

This technology is unaffected by frost and extreme cold, it comes as our most highly recommended system with a 5 year warranty on the cylinder and a 10 year warranty on the tubes and frame.

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Reasons why the Bosch 21e 5.5 star gas booster is so efficient.

The Bosch solar transfer valve is installed into the hot water outlet on the cylinder or at the gas booster. When a hot tap is open and the water in the cylinder is hotter than 60-degC the transfer valve diverts the hot water around the gas booster using no gas at all.

If the water in the cylinder is less than 60-degC, then this water is diverted to the gas booster where it is heated up to temperature, the flame is adjusted automatically depending on water temperature entering the booster making this one of the lowest operating cost solar/gas boosted systems available.

When comparing this to a solar/electric system.

Even when you are not using the water, the electric element will always switch on when the water in the cylinder is less than 60-degC.

The gas booster will not switch on when the water in the cylinder is less than 60-degC. It will only switch on at the time of use and only if the water is below 60-degC.

Bosch 21e 5.5 star instantaneous gas booster included, models available in natural gas or L.P.G



Bosch solar transfer valve included.



Bosch Gas Booster	
Bosch product	Bosch 21e
Bosch part number	YS217ORA
Installation	External
Ignition	Electronic
L/min (25°C rise)	21
Number of bathrooms	2
Minimum operating inlet water pressure (kPa)	100
Mj/H	170
Star rating	5.56
Minimum flow (L/min)	2.5
Minimum constant water pressure for maximum flow (kPa)	130
Antifrost	Standard
Gas type	NG/LPG
Electrical supply	230VAC-240V 50Hz 10amp weatherproof power point required within 500mm of the unit
Unit height (mm)	520
Unit width (mm)	350
Unit depth (mm)	170
Carton weight (kg)	19
Natural gas pipe connection	20mm 3/4"
LP gas pipe connection	20mm 3/4"
Cold water pipe connection	20mm 3/4"
Hot water pipe connection	20mm 3/4"
Power consumption	240VAC/36W in standby, 125W when anti freeze mode is on

REGISTER OF SOLAR WATER HEATERS — POSTCODE ZONES

Version 1, 21 December 2010

The Register of solar water heaters contains details about each solar water heater model for which STCs may be created under the Act. The number of STCs a particular solar water heater model is entitled to create will depend on its installation date and geographic location. The Regulator has determined four zones in Australia based on climate and solar radiation levels and has defined each zone by reference to the postcodes contained within it – the ranges of postcodes and their corresponding zones are listed in the table below.

Postcode zones for solar water heaters

Postcode range			Postcode range			Postcode range		
from	to	zone	from	To	Zone	from	to	zone
0200	0299	3	3750	3898	4	5231	5261	3
0800	0862	1	3900	3900	3	5262	5263	4
0870	0872	2	3902	3996	4	5264	5270	3
0880	0909	1	4000	4419	3	5271	5291	4
1001	2914	3	4420	4420	1	5301	6256	3
3000	3381	4	4421	4428	3	6258	6262	4
3384	3384	3	4454	4454	1	6271	6318	3
3385	3387	4	4455	4468	3	6320	6338	4
3388	3396	3	4470	4475	2	6341	6341	3
3399	3413	4	4477	4477	1	6343	6348	4
3414	3424	3	4478	4482	2	6350	6353	3

Postcode zones for solar water heaters

Postcode range			Postcode range			Postcode range		
from	to	zone	from	To	Zone	from	to	zone
3427	3451	4	4486	4488	3	6355	6356	4
3453	3453	3	4489	4493	2	6357	6395	3
3458	3462	3	4494	4615	3	6396	6398	4
3463	3465	3	4620	4724	1	6401	6439	3
3467	3469	4	4725	4725	2	6440	6440	2
3472	3520	3	4726	4726	1	6441	6444	3
3521	3522	4	4727	4731	2	6445	6452	4
3523	3649	3	4732	4733	1	6460	6640	3
3658	3658	4	4735	4736	2	6642	6725	2
3659	3660	3	4737	4824	1	6726	6743	1
3661	3661	4	4825	4829	2	6751	6799	2
3662	3709	3	4830	4895	1	6800	6997	3
3711	3724	4	5000	5214	3	7000	8873	4
3725	3749	3	5220	5223	4	9000	9729	3

Rebates and cost of the electric boosted systems

Updated 02/08/2018

Special offer: Free transport to almost anywhere in Australia continues into 2018.

STC'S rebates are available for every one:

Check the postcode chart on pages 8 & 9 to find out which zone you are in.

Then look at the prices with the (Zone) STC values below.

For Victoria see distributors website progressivesolar.com.au or call Noel on (03) 9013 0504 to find out the value of the VEEC rebate and to order a system.

The STC rebate is paid to you the customer within 7-days after the installation.

Prices before the rebates:

See current STC values which are constantly updated on our home page.

Or call Andrew on 02 6734 6322.

ROSAHP150EL: 160-litre system before any rebates \$3160

STC rebates

(Zone 1) 15 STC'S

(Zone 2) 18 STC'S

(Zone 3) 15 STC'S

(Zone 4) 14 STC'S

ROSAHP200EL: 220-litre system before any rebates \$3830

STC rebates

(Zone 1) 19 STC'S

(Zone 2) 20-STC'S

(Zone 3) 19 STC'S

(Zone 4) 16-STC'S

ROSAHP250EL: 270-litre system before any rebates \$4265

STC rebates

(Zone 1) 30-STC's

(Zone 2) 32-STC'S

(Zone 3) 28-STC'S

(Zone 4) 24-STC's

EXTRAS INCLUDED

- All ½" plumbing valves are included in the price.
- 10-degree or 30-degree frame included in the price.
- Cyclone mounting kit included in the price.
- 8 meters of UV rated solar pipe insulation included in the price.
- Free transport included in the price for 2018
 - Total value of the included extras is up to \$1650

Optional

Add \$90 to upgrade to ¾" valves.

Rebates and cost of the gas boosted systems

Updated 02/08/2018

Special offer: Free transport to almost anywhere in Australia continues into 2018.

STC'S rebates are available for every one:

Check the postcode chart on pages 8 & 9 to find out which zone you are in.

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Prices before the rebates:

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Or call Andrew on 02 6734 6322.

ROSAHP150G: 160-litre system before any rebates \$4132

STC rebates

(Zone 1) 14 STC'S

(Zone 2) 16 STC'S

(Zone 3) 14 STC'S

(Zone 4) 12 STC'S

ROSAHP200G: 220-litre system before any rebates \$4800

STC'S rebates

(Zone 1) 24 STC'S

(Zone 2) 27-STC'S

(Zone 3) 23 STC'S

(Zone 4) 20-STC'S

ROSAHP250G: 270-litre system before any rebates \$5265

STC'S rebates

(Zone 1) 28-STC's

(Zone 2) 30-STC'S

(Zone 3) 26-STC'S

(Zone 4) 23-STC's

EXTRAS INCLUDED

- All ½" plumbing valves included in the price.
- 10-degree or 30-degree frame included in the price.
- Cyclone mounting kit included in the price.
- 8 meters of UV rated solar pipe insulation included in the price.
- Free transport included in the price for 2018
- Total value of the included extras is up to \$1850

Optional

Add \$90 to upgrade to ¾" valves.

System weights

150-litre system full of water 247Kg

200-litre system full of water 330Kg

250-litre system full of water 408Kg

Footprint with a 30-degree frame

150-litre system 1690mm (W) x 1950mm (L)

200-litre system 1830mm (W) x 1950mm (L)

250-litre system 2650mm (W) x 1950mm (L)

Footprint with a 10-degree frame

150-litre system 1690mm (W) x 2150mm (L)

200-litre system 1830mm (W) x 2150mm (L)

250-litre system 2650mm (W) x 2150mm (L)

Manufacturer-Run On sun Australia P/L

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