



Run On Sun Australia

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Evacuated tube solar hot water system designed in Australia by Australian engineers:

Premium solar ready tanks – 10-year warranty:

Manufactured as a premium long life tank, we are now able to offer a 10-year warranty on all new tanks installed from October 2013.

The whole system including the tank is designed in Australia by our solar engineer to achieve maximum energy efficiency.

This is why the STC rebates on these systems are one of the highest rebates available in Australia.

If you live in Victoria, the additional VEEC rebate will be deducted from the purchase price.

Exceeding Australian standards for heat loss:

All the Run On Sun tanks for the split systems are manufactured to exceed the strict Australian standards for heat loss by 14%.

Grundfos solar pump station attaches to the tank:

The tanks are equipped with customised fittings for attaching the waterproof Grundfos solar pump station to the tank. Alternatively, the pump station can be attached to a wall close to the tank.

Electric boosted tank:

The electric element and thermostat are located just above half way up the tank, so that in the rare event electric boosting is required, only the water in the top half of the tank will be heated, using half the energy required to heat a standard tank.

Gas boosted tank:

These tanks are designed to work with the Rinnai S20 or S26 instantaneous gas boosters.

The booster is situated on an outside wall between the tank and your hot water outlets.

Designed only to switch on in the rare event that the water entering the booster is below the boosters pre-set temperature.

During long periods of bad weather the flame will be automatically ignited and adjusted according to the water temperature entering the booster, making this the most energy efficient method of gas boosting available. This family of gas boosters does not require a pilot light.



Not all evacuated tubes are the same

“Run On Sun” evacuated tubes:

All the evacuated tubes supplied by “Run On Sun Australia” are known as a “Sydney Tube”.

Sydney University produced two patents, the first patent was for an aluminium nitrate solar selective coating and the latest patent was for the copper solar selective coating, which is close to 14% more efficient.

The lower efficiency tubes appear dark grey or black and the copper coated tubes appear dark blue. All “Run On Sun Australia” evacuated tubes are made with the latest copper coating. Both these coatings are available within the Australian market; different glass thicknesses are also available.

All “Run On Sun” tubes are made with the thickest glass possible, (2-mm) making them not only more efficient but more durable.

Flat to the roof frame



15 and 30-degree frames



The solar manifold and evacuated tubes come with a 12-year warranty:

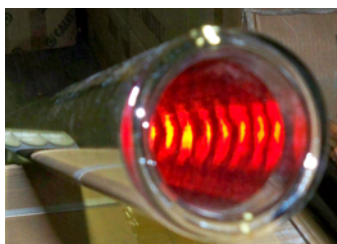
The solar manifold is the key component where the water is heated. It contains a pure copper header pipe with various amounts of tube ports silver soldered into the copper header.

The copper header is surrounded by high-density rock wool, which is incased into a stainless steel housing. This is known as the evacuated tube solar manifold.

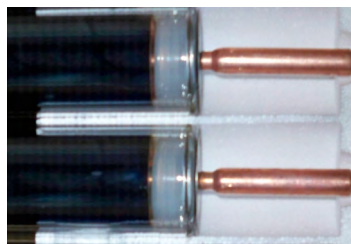
To the best of our knowledge, the “Run On Sun” solar collector is the only brand in Australia that uses both stainless steel manifold housings and stainless steel frames; this eliminates the risk of corrosion that is caused when two dissimilar metals come into contact in a wet area such as a roof.

“Run On Sun” solar collectors are not only tested to Australian standards, they have been tested to European, US and Canadian standards, making them a reliable choice.

Copper inner coating



Copper heat pipe



Tube base and low reflection outer coating



Quality control throughout the whole system.

Low temperature heat pipes:

The boiling point of the small amount of fluid inside all “Run On Sun” heat pipes is just 25-degC.

This means that they can produce heat earlier in the morning, late in the afternoon and in overcast conditions.

Once the copper coating on the inside of the tube becomes 25-degC, the copper heat pipe absorbs this heat energy and starts to work, becoming 1000 times more conductive than a copper rod.

The temperature inside the tube becomes hotter while exposed to light and can reach temperatures as high as 180-degC, the steam inside the heat pipe becomes the same temperature as the inside of the tube.

The inside of an evacuated tube can reach these sort of temperatures regardless of the ambient temperature outside, that is why these systems are so effective in Canada and Europe.

We have tested other brands of evacuated tubes with heat pipes against our own, Most have a start up temperature of 30-degC; The “Run On Sun” heat pipes were the first to become warm in the early morning and the last to cool down in the late afternoon due to the low boiling point of the heat pipe fluid that produces the steam.

Australian structural and mechanical engineer on staff:

Barrie has worked with “Run On Sun” over the last 8-years designing and doing all the CAD drawings for our heavy-duty frames and roof mounting kits.

Every system that we sell comes with a cyclone rated mounting system, the frames come with a 4-1 built in safety factor making them suitable for installations in and around Broome, the highest cyclone rated region in Australia.

Both the frame, mounting kit and fixings are made from high-grade 2-mm thick stainless steel. Pure silicon blocks rather than rubber are supplied to go between the roof and the mounting rail to make sure that your rainwater stays non-contaminated.

Why do the “Run On Sun” split systems cost less than other brands?

The main reason is that in most cases, we sell direct to the public and do not need to protect the big margins required by most distribution outlets.

Because “Run On Sun” sells direct to the public, we get paid up front and do not end up with bad debts, which need to be built into the price structure.

“Run On Sun” does have a trusted Victorian distributor who like us, is prepared to work hard with a smaller margin than normal industry standards.

We also sell to some plumbers who are happy to make a smaller margin on the product and get paid for the installation.

My whole philosophy is to produce the highest quality and most efficient solar hot water systems in Australia that can be sold for a fair price.

Components included with each system.



Premium electric boosted tanks:

270, 340 and 450-litre capacity tanks.

Electric boosted models include the mid-tank 3.6Kw quick recovery element and thermostat.

Premium gas boosted tanks:

270, 340 and 450-litre capacity tanks.

The 270-litre tank includes the Rinnai S20 solar booster.

The 340 and 450-litre tanks include a choice of the Rinnai S20 or the Rinnai S26 gas booster.



“Run On Sun” evacuated tube collector:

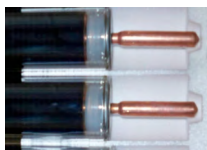
The 270-litre tank comes with a 24-tube collector.

The 340-litre tank comes with a 30-tube collector.

The 450-litre tank comes with two 24-tube collectors.

Each evacuated tube collector includes a flat to roof frame or a 15-degree frame or a 30-degree frame like the one in the picture.

Each frame comes with a stainless steel cyclone rated mounting kit.



Includes the best evacuated tubes available:

All “Run On sun” solar water heaters include the latest copper coated 2-mm thick evacuated tubes.



Grundfos solar pump station:

The pump and controller station includes the most advanced low energy (18-watts) grundfos solar pump with unions, flow controller and one-way valve.

The system controller is Australian designed and comes with USA designed thermo sensors, all built into a UV resistant weather proof housing that attaches to the tank.



Quality control:

Every tube is checked, the frame is checked, the solar air/steam vent and heat conduction paste are added to every frame box before the systems are packed onto a heavy-duty pallet.

Ready for dispatch:

A finished 48-tube system professionally packed and ready for road freight to almost any destination in Australia.



REGISTER OF SOLAR WATER HEATERS — POSTCODE ZONES

Version 2, applicable from 1 November 2012

The Register of solar water heaters contains details about each solar water heater or air source heat pump 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.

There are two tables in this document, the postcode zones for solar water heater and the postcode zones for air source heat pumps. The Regulator has determined four zones for solar water heaters and five zones for air source heat pumps. These zones based on climate and solar radiation levels and the Regulator 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

From	To	Zone	From	To	Zone	From	To	Zone
200	299	3	3750	3898	4	5231	5261	3
800	862	1	3900	3900	3	5262	5263	4
870	872	2	3902	3996	4	5264	5270	3
880	909	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
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

[Check your zone along side your postcode to determine the rebate.](#)

From	To	Zone	From	To	Zone	From	To	Zone
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

Complete system cost before any rebates are deducted:

[Extra VEECS rebate will be deducted from the price in Victoria:](#)

Electric boosted models:

SPLIT250-24EL \$3660

SPLIT315-30EL \$3980

SPLIT400-48EL \$4980

Gas boosted models:

SPLIT250-24G \$4560

SPLIT315-30G \$4880

SPLIT400-48G \$5880

SPLIT315-30G26 \$4980

SPLIT400-48G26 \$5980

To calculate the complete system cost after the STC rebates:

1. Look up your postcode and check which zone you are in.
2. Multiply the number of STC's by the current STC price shown on the home page.
Or call Andrew on 02 6734 6322
3. Deduct the calculated amount from the prices listed above.

SPLIT250-24EL

Zone 1 = 29 STC's

Zone 2 = 31 STC's

Zone 3 = 28 STC's

Zone 4 = 25 STC's

SPLIT315-30EL

Zone 1 = 37 STC's

Zone 2 = 40 STC's

Zone 3 = 35 STC's

Zone 4 = 31 STC's

SPLIT400-48EL

Zone 1 = 45 STC's

Zone 2 = 46 STC's

Zone 3 = 47 STC's

Zone 4 = 41 STC's

SPLIT250-24G

Zone 1 = 27 STC's

Zone 2 = 29 STC's

Zone 3 = 27 STC's

Zone 4 = 25 STC's

SPLIT315-30G

Zone 1 = 35 STC's

Zone 2 = 40 STC's

Zone 3 = 35 STC's

Zone 4 = 31 STC's

SPLIT400-48G

Zone 1 = 44 STC's

Zone 2 = 45 STC's

Zone 3 = 46 STC's

Zone 4 = 41 STC's

SPLIT315-30G26

Zone 1 = 35 STC's

Zone 2 = 39 STC's

Zone 3 = 34 STC's

Zone 4 = 29 STC's

SPLIT400-48G26

Zone 1 = 44 STC's

Zone 2 = 45 STC's

Zone 3 = 46 STC's

Zone 4 = 41 STC's

NOTE:

Actual tank capacities:

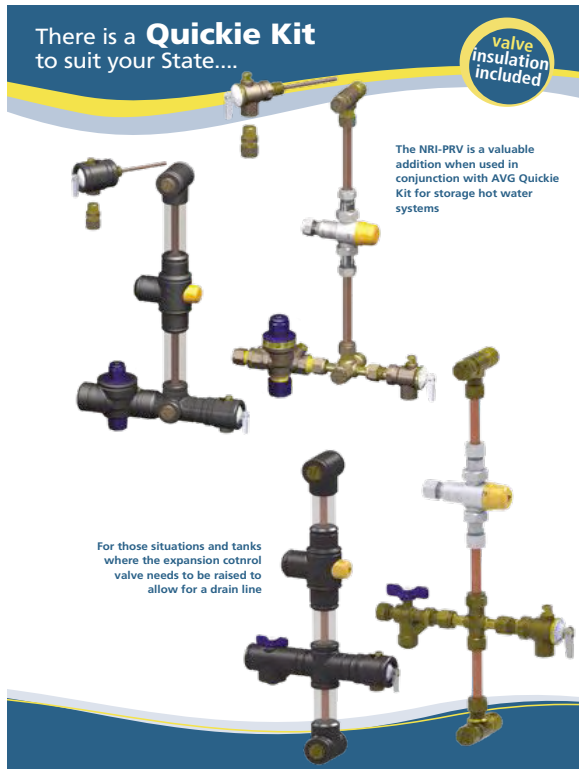
SPLIT250 = 270-litre capacity.

SPLIT315 = 340-litre capacity.

SPLIT400 = 450-litre capacity.

Optional components offered to all customers at a reduced cost.

To make your install as painless and cost effective as possible, "Run On Sun Australia" bulk buys the quickie kits and insulation so that we can offer them to all our customers for close to cost price, this will save you hundreds of dollars off the installation cost.



The AVG solar quickie valve kits are a great product that makes the plumbing work so much faster. Each kit includes all the valves and valve insulation gloves; they also come with all the tank fittings. We only supply the premium kit, which includes an expansion valve that is not mandatory in all States, but it reduces water wastage due to hot water expansion. The engineers at "Run On Sun Australia" have looked into every aspect to make sure your system works to its maximum performance.

15-mm quickie kit to suit the SPLIT-250 and the SPLIT-315 electric and gas boosted models.

RRP \$400

Your price \$260.

20-mm quickie kit to suit the SPLIT-400 electric and gas boosted models.

RRP \$520

Your price \$350



The Thermobreak solar heat and UV resistant copper pipe insulation is an industry standard for solar applications that require a higher level of heat resistance.

15-mm for the collector loop on all "Run On Sun Australia" split systems.

RRP for a 2-meter length \$18.

Your price \$14.

20-mm for pipe runs to and from the SPLIT450-48 systems.

RRP for a 2-meter length \$21.

Your price \$16.

Your installer is required to use solar rated insulation on all pipe work.



Youngbo Australia

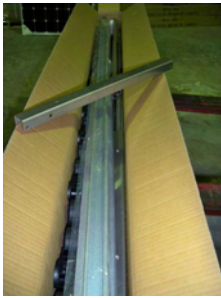
SEKISUI

FOAM
INTERNATIONAL
Global Foam Solutions

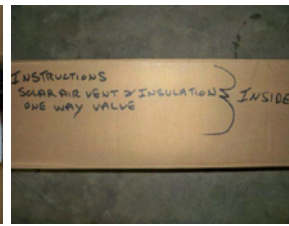
Thermobreak is a trademark of
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Quality controlled packing procedure to get a system ready for road freight to anywhere in Australia.



Every frame box is opened and checked to make sure it is correct and complete before it is packed and leaves our warehouse.



Solar air vent, check valve and instructions are added to the frame box at our warehouse.



Every tube is checked in our warehouse before been packed onto the pallet



The serial number is recorded from the compliance label and the manifold connectors are added to the solar manifold box before it is packed onto the pallet.



Tubes are packed first, followed by the frame and manifold boxes. The pump and solar controller go in the space at the end of the tube boxes. The pallet is then fully encapsulated.



The encapsulated pallet is finished with warning stickers and is then moved outside our warehouse ready to be picked up for road freight to anywhere in Australia.

Specifications

Solar collector weights:

24-tube collector mounted onto the roof 95-Kg

30-tube collector mounted onto the roof 110-Kg

2 x 24-tube collectors mounted onto the roof 190-Kg

Solar collector footprint:

24-tube collector mounted onto the roof

2150 mm (W) x 2000 mm (L)

30-tube collector mounted onto the roof

2650 mm (W) x 2000 mm (L)

2 x 24-tube collectors mounted onto the roof

4300 mm (W) x 2000 mm (L)

Solar tank size:

270-litre capacity tank 648-mm (D) x 1398-mm (H)

340-litre capacity tank 648-mm (D) x 1700-mm (H)

450-litre capacity tank 713-mm (D) x 1713-mm (H)

Manufacturer-Run On sun Australia P/L:

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Victorian distributor:

Progressive solar

Noel Toumbourou (MD)

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