



**STRATCO**

Quality  
Standard  
WARRANTY  
5 Years

# Solarcore<sup>TM</sup>

SOLAR HOT WATER SYSTEMS

**STRATCO**

## The Solarcore<sup>TM</sup> Advantage

### Hot Water 365 Days

- Abundant Free Solar Hot Water.
- Convenient Gas or Electric Boosting.

### All Weather Protection

- Frost Protection as Standard  $-20^{\circ}\text{C}$ .
- Hail Resistant Technology.

### Maintained Hot Water

- Peace of Mind – Visual Temperature Display.
- Maintain Optimum Hot Water Temperatures.

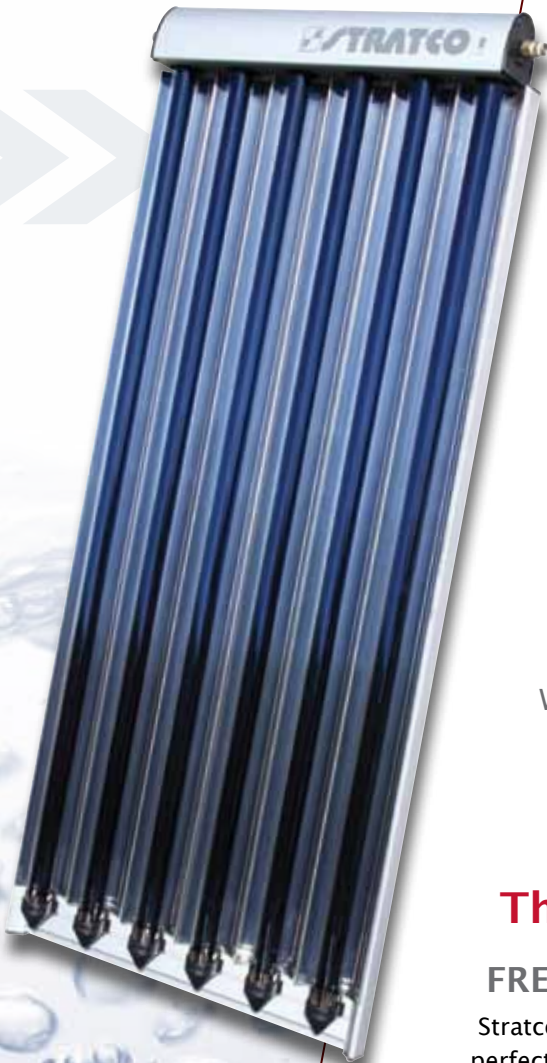
### Efficient Collector Technology

- Evacuated Tubes to Maximise Solar Performance.
- Unique Solar Reflector.

### Hot Water Storage

- Insulated to reduce captured heat loss during the night.
- Slender designs, ideal for narrow locations.

Another Quality Stratco Product



## Harness The Sun

Sunlight is a proven way to provide environmentally responsible energy as well as real cost savings to any home, school or business. The Stratco range of Solarcore™ energy efficient solar hot water systems will not only help our fragile environment, they will also give you peace of mind that you will have continuous hot water every day for many years to come.

Stratco is committed to supplying sustainable solutions to all Australian homes. Given that Australia has an abundance of free solar energy, it makes environmental and financial sense to install a Stratco Solarcore Solar Hot Water System today.

## The Solarcore Advantage

### FREEZE PROTECTION

Stratco's Solarcore Solar Hot Water range is the perfect answer for all weather conditions. The complete Solarcore range is protected from damage during freezing weather conditions by automatically circulating water from the hot water storage tank. It is designed to operate to a minimum temperature of  $-20^{\circ}\text{C}^*$

\*AS/NZS 2712:2007 (Freeze Protection  $-20^{\circ}\text{C}$ )

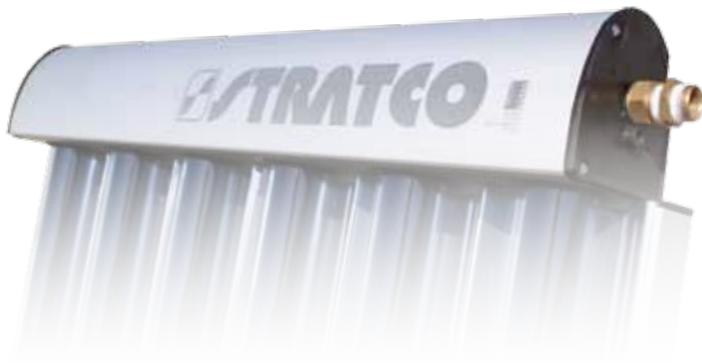


### EFFICIENT COLLECTORS

Evacuated glass collector tubes are so efficient that they can collect heat from sunlight during cool, windy or even overcast conditions. The Stratco Solarcore Solar Hot Water collectors are constructed from a combination of copper tubes and borosilicate 3.3 glass evacuated tubes to maximise solar performance, thereby, reducing the amount of gas or electricity required to heat the water.

The Solarcore Solar Hot Water collector framing system is constructed from high quality aluminium. The specially constructed solar reflector ensures that maximum ambient heat is absorbed. The Stratco Solarcore Solar Hot Water collectors are the ideal answer for installation on the majority of Australian roofs due to their light-weight construction.

# SOLAR HOT WATER SYSTEMS



## HOT WATER 365 DAYS

During periods when there is insufficient heat available from the sun, the efficient gas boost heater or electric boost element will automatically provide all the heat necessary to ensure a continuous supply of hot water to your home.

Insulated to reduce captured heat loss during the night and designed for narrow locations, the complete solar hot water storage range is the perfect solution and will complement your home.

## EASY REPLACEMENT

The Stratco Solarcore Solar Hot Water collectors have been rigorously tested to AS/NZS 2712:2007 standards. However, in the event that an evacuated glass collector is inadvertently damaged, the system will still continue to function normally. The evacuated glass tubes can be individually replaced without the need to turn off the main system, thus, minimising unnecessary plumbing costs.

## MAINTAINED HOT WATER

The Stratco Solarcore Solar Hot Water management system has been specifically designed to maximise and maintain your hot water all year round by regulating the water flow from the collector to the tank. Complete with a practical visual display to show you the actual working temperatures, the Stratco Solarcore Solar Hot Water system will give you the peace of mind that your system is working at optimum levels.



## MAINTENANCE REQUIREMENTS

For more information refer to the 'Stratco Solarcore Hot Water Systems Installation Guide' brochure or the 'Selection, Use and Maintenance of Stratco Steel Products' brochure.

Stratco does not accept liability for any loss or damage suffered as a result of any errors in the interpretation or application of this design guide. Any person wishing to check any calculations made by them pursuant to this method may wish to seek independent engineering advice.

# Due to model variations this particular unit may change.



## Solarcore Collector

COLLECTOR ASSEMBLY	Dry Weight	19 kg
	Overall Dimensions L x W x D	1640 x 700 x 100 mm
	Gross Collector Area	1.14 m <sup>2</sup>
	Aperture Area	1.0 m <sup>2</sup>
	Heat Transfer Fluid	Water
	Fluid Volume	0.8 L
	Maximum Stagnation Temperature	295 °C
COLLECTOR TUBES	Number of Tubes	6
	Tube Material	Borosilicate 3.3 Glass
	Tube Dimensions OD x ID x T x L	47 x 37 x 1.6 x 1500 mm

CONTACT

1300 165 165

## Gas Boosted System (LPG options also available)

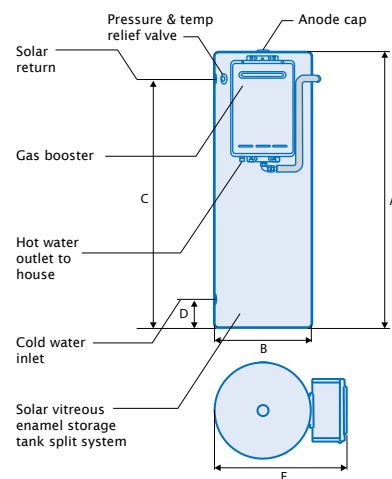
TANK MODEL NUMBER	G21520N666VE	G21526N666VE	G27020N666VE	G27026N666VE
Tank Size (Storage Volume)	215 Litre	215 Litre	270 Litre	270 Litre
Number of Bedrooms <sup>†</sup>	2 to 3	3 to 4	3 Plus	4 Plus
Number of Collectors	3	3	3	3
Cont/Flow Gas Boost Size L/Min	20	26	20	26
Empty Cylinder Weight (kg)	88	88	95	95
Inner Cylinder Material	Vitreous Enamel Lined Mild Steel			
Outer Case Material	Colour Coated Mild Steel			
Insulation Material	High Density CFC Free Polyurethane			

GAS BOOSTER SPECIFICATIONS	20	26
Hot Water Delivery Temperature	70 °C	70 °C
Dimensions: Height x Width x Depth	530 x 350 x 194 mm	530 x 350 x 194 mm
Weight	15 kg	21 kg

## Electric Boosted System

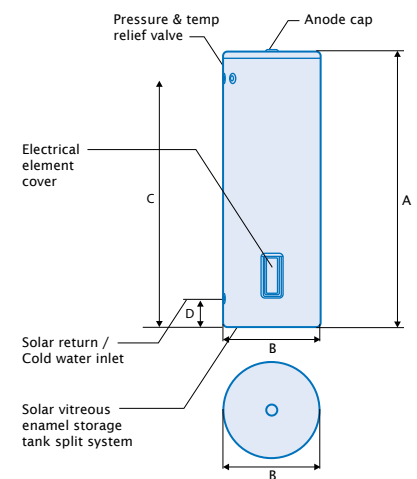
TANK MODEL NUMBER	E200666VE	E315666VE
Tank Size (Storage Volume)	200 Litre	315 Litre
Number of Bedrooms <sup>†</sup>	1 to 3	4 Plus
Number of Collectors	3	3
Number of Elements	1	1
Electric Boost	3.6kW	3.6kW
Empty Cylinder Weight (kg)	88	103
Inner Cylinder Material	Vitreous Enamel Lined Mild Steel	
Outer Case Material	Colour Coated Mild Steel	
Insulation Material	High Density CFC Free Polyurethane	

## Gas Boosted System



TANK SIZE	DIMENSIONS (mm)				
	A	B	C	D	E
215	1825	515	1605	225	709
270	1265	685	985	260	879

## Electric Boosted System



TANK SIZE	DIMENSIONS (mm)			
	A	B	C	D
200	1825	515	1605	225
315	1510	685	1200	260

## STC Values And Zones

STC VALUES / ZONES	Zone 1	Zone 2	Zone 3	Zone 4
G21520N666VE	27	29	27	23
G21526N666VE	28	30	26	22
G27020N666VE	27	29	27	23
G27026N666VE	28	30	26	22
E200666VE	19	19	20	18
E315666VE	28	30	27	23