



**N E W G E N E R A T I O N**

*J series*

**1 8 1 J**

**3 0 2 J**

**4 4 3 J**



*Reliable high performance*

 **Solahart**<sup>®</sup>

# THE SOLAHART J SERIES

... *setting the standard*

NEW GENERATION  
J series

1 8 1 J  
3 0 2 J  
4 4 3 J

*Solahart's 'J' Series is so successful, many have tried, but failed, to reproduce its outstanding performance.*

*It's not surprising really. Solahart is the recognised world leader in applying scientific, engineering and manufacturing technology to solar hot water systems for over 40 years. All of which has resulted in the popular 'J' Series.*

Your 'J' Series Solahart features the award winning Multi-Flow™ solar collector panel. Put simply, this means more water is heated more quickly and more effectively. Another technological advantage of the 'J' Series is Solahart's brilliant 'closed circuit system'.

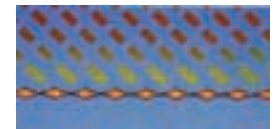
This is where the competition runs out of steam.

Solahart pioneered and developed the closed circuit system and remains the world's only company with the technical secrets of how to do it successfully. So, how does it work?

In standard solar hot water systems water is circulated through the solar collector panels and back into the storage cylinder. But in the closed circuit system a specially developed 'Hartgard™' fluid absorbs the sun's energy and transfers the heat to the water in the storage cylinder as it circulates within a special jacket surrounding the cylinder. With this system, there is nothing to clog or corrode the inside of the collector panels. Plus the Hartgard fluid will not freeze, protecting your Solahart from damage, even under frost or prolonged sub-zero conditions.



Standard fin and tube collector



Solahart's multi-flow collector



*You'll get your investment back...*

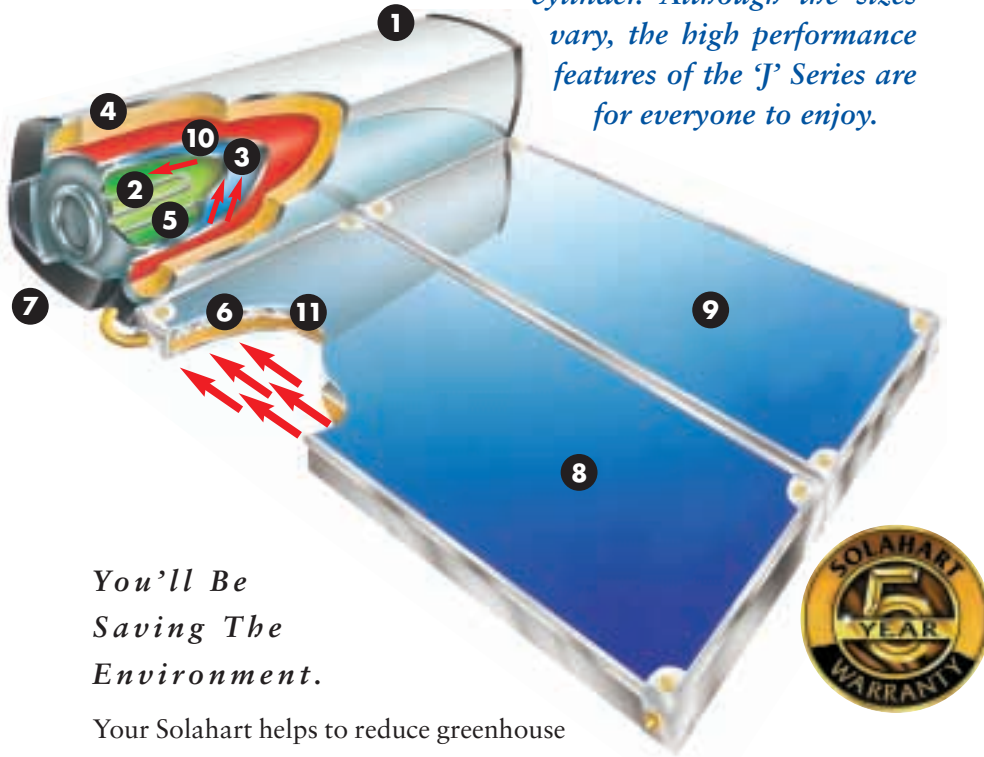
Yes! The savings you make on your power bills, from the sun's free energy, means that you can recover the up front investment in your Solahart. And the savings will keep adding up long after the system has paid for itself.

*Installed within 24 hours*

Upon ordering your Solahart, it can be installed and working within 24 hours with minimal disruption to your household's hot water needs.



There's a 'J' Series storage capacity size to suit every hot water need. Choose from either a 180, 300 or 440 litre storage cylinder. Although the sizes vary, the high performance features of the 'J' Series are for everyone to enjoy.



### *You'll Be Saving The Environment.*

Your Solahart helps to reduce greenhouse gas emissions in our atmosphere (up to 5 tonnes per annum), so you can take pride in doing something positive to help and save our environment for the benefit of future generations.

### *Backed By A Full 5 Year Warranty.*

The 'J' Series is so reliable it's backed by Solahart's exclusive and comprehensive 5 year warranty. (For further information see separate product warranty.)

### *Your Solahart Is Automatic.*

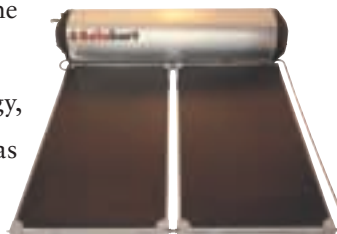
Many people ask about how they should use their booster switch. Depending on where you live and how much hot water you use, your 'J' Series Solahart can usually provide around 80% of all your hot water from the sun's free energy.

On those days when there's insufficient solar energy, your standard electric or optional 'Natural Wonder' gas booster will maintain hot water temperature. During these conditions, our advice is to leave your booster switched on all the time. This doesn't mean it's costing you more to run. It automatically cuts in and provides supplementary energy when the water temperature drops below a pre-set temperature and cuts out again when the correct temperature is reached.

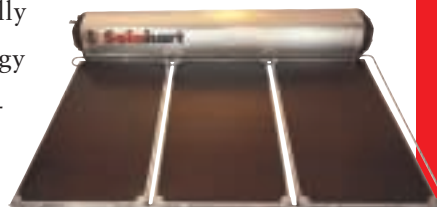
### WHICH J SERIES SOLAHART SUITS YOU BEST?



181J



302J



443J

#### 1. STYLISH SLIMLINE DESIGN

The lines are enhanced with Solahart's distinctive trim.

#### 2. HOT WATER ALL YEAR. 24 HOURS A DAY.

For those few days of the year when there's insufficient solar energy, a highly efficient booster automatically maintains water temperature.

#### 3. HOT WATER TECHNOLOGY

The major technical breakthrough for Solahart is the use of a sealed jacket around the storage cylinder. This allows the closed circuit fluid to flow from the solar collector panels around the outside the storage cylinder and transfer its heat into the water stored in the cylinder. The result - hot water free from the sun ready and waiting for your use.

#### 4. HIGH DENSITY INSULATION

The cylinder is insulated in its durable aluminium case by pressure injected, high density, environmentally safe polyurethane foam which is CFC FREE! The result, your water stays hotter longer.

#### 5. SUPERIOR PROTECTION

The storage cylinder is protected from the harshest water with not one, but two coats of Primaglaze® ceramic lining plus a sacrificial anode. A major breakthrough in corrosion control.

#### 6. CORROSION PROTECTION

The exclusive closed circuit system also eliminates risk of the collector plate corroding or clogging from the inside.

#### 7. LOOKS BETTER, LASTS LONGER

Proven premium quality aluminium, used for Solahart's collector casing looks better, lasts longer.

#### 8. PROVEN PERFORMANCE

Maximum absorption of solar energy is achieved by the large Multi-Flow collectors designed to trap more heat and transfer it efficiently.

#### 9. SOLAR GLASS

Superior quality Solar Glass is tougher, providing better performance, protection and appearance.

#### 10. FREEZE PROTECTION

Solahart's exclusive and proven closed circuit technology is all the protection you need to prevent freezing in frost-prone or cold climate regions.

#### 11. EXCLUSIVE MULTI-FLOW COLLECTOR PLATE

Greatly increases heat transmission to heat exchange fluid.

## TECHNICAL SPECIFICATIONS

Systems	181	221	302	303	443	
	J	J	J	J	J	
Delivery (solar)	160	200	285	285	400	L
	43	53	76	76	107	USg
Delivery (aux)	135	175	230	230	320	L
	36	47	61	61	85	USg
Weight (full)	295	343	481	524	686	kg
	649	755	1058	1153	1509	lbs
Weight (empty)	111	119	173	213	235	kg
	244	262	381	469	517	lbs
Length	2.48	2.48	2.48	2.48	2.48	m
	97.6	97.6	97.6	97.6	97.6	ins
Height	0.51	0.51	0.51	0.51	0.51	m
	20.1	20.1	20.1	20.1	20.1	ins
Width	1.615	1.965	2.515	3.38	3.485	m
	63.6	77.4	99.0	133.1	137.2	ins
Working Pressure	1000	1000	1000	1000	1000	kPa
	145	145	145	145	145	psi
Test Pressure	2100	2100	2100	2100	2100	kPa
	304	304	304	304	304	psi
Tank type	180J	220J	300J	300J	440J	
Collector type	J	J	J	J	J	
No of collectors	1	1	2	3	3	

Tanks	180	220	300	440	
	J	J	J	J	
Capacity	180	220	300	440	L
	48	59	80	117	USg
Weight (full)	246	292	384	546	kg
	541	642	845	1201	lbs
Weight (empty)	66	72	84	106	kg
	145	158	185	233	lbs
Length	1.494	1.76	2.31	3.285	m
	58.8	69.3	90.9	129.3	ins
Height	0.51	0.51	0.51	0.51	m
	20.1	20.1	20.1	20.1	ins
Width	0.51	0.51	0.51	0.51	m
	20.1	20.1	20.1	20.1	ins
Cylinder material	Steel, 2.5 mm (0.10")				
Cylinder lining	Primaglaze: Ceramic Lining, 2 coats				
Insulation	Polyurethane: Pressure Injected, Zero CFC				
Case	Aluminium: Marine Grade, 0.4mm (0.15")				
End Caps	Polypropylene: Carbon Black, UV Stabilised				
Anode	Magnesium with Steel Core				

To re-order this brochure please quote: SM025

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[www.solahart.com.au](http://www.solahart.com.au)



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 **Solahart**

