



## Split System DKV & DJV Series Gas Boost

### Description

The Solahart Streamline (closed circuit) is a split system solar water heater with roof mounted slimline collectors and a tank that can be installed discreetly on the ground. It is suitable for use in low to high solar gain areas. The closed circuit design protects the system from freezing, making it suitable for regions prone to frost.

The system is equipped with a gas booster which senses when boosting is required to ensure continuous hot water regardless of the weather. The water heater also offers the convenience of dual temperature outlets, so tempered water can be delivered to the bathrooms and hot water can be delivered to the kitchen and laundry.

The Streamline closed circuit system offers a choice of either the Solahart KF or J collector.



Both model collectors feature Solahart's revolutionary multi-flow collector panel which uses a huge 35 risers to extract the maximum amount of energy from the sun.

The higher efficiency absorber of the KF collector with its Black Chrome selective surface further maximises the absorption of available solar energy providing even more savings.

### Key Features

- Stylish slimline design
- Solar connections to top of the tank makes for simpler and tidier installation
- Dual temperature outlets
- Variable flow through solar collectors to maximise solar gain
- Choice of collectors to suit high to low solar gain areas
- Suitable for frost prone areas
- 5 star instantaneous gas boosting efficiency
- Natural gas and propane models available
- Flexible installation options

### Key Benefits

- Can save up to 60% to 85% of water heating energy consumption\*
- Continuous hot water regardless of the weather
- Qualifies for valuable environmental incentives\*
- Reduced energy use saves on CO<sub>2</sub> emissions\*
- Peace of mind with Solahart's 5/3/1 year warranty†
- Space efficient and flexibility with installation

\* Energy savings of up to 60% to 85% shown are based on Australian Government approved TRNSYS simulation modelling using a medium load. Savings and incentives will vary depending upon your location, type of Solahart system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff. Refer to [solahart.com.au](http://solahart.com.au) for further information.

† Solahart Warranty Details: 5/3/1 warranty - 5 year cylinder, heat exchanger and collectors supply, 3 year labour on cylinder and heat exchanger, 1 year parts and labour, 1 year labour on collectors, applies to a single family domestic dwelling only. All other applications have a 3/1/1 warranty - 3 year cylinder supply, 1 year heat exchanger and collectors supply, 1 year parts, 1 year labour.

In Australia, an amended warranty period may apply where a government rebate has been received for the solar water heater. Phone 1300 769 475 for details.

# Streamline Closed Circuit DKV & DJV – Gas Boosted Systems

These systems are suitable for frost areas.

## DKV and DJV Systems

<b>System</b>	DKV272/DJV272	DKV273/DJV273
<b>Tank model</b>	DBV270	DBV270
<b>Collector DKV Series</b>	KF	KF
<b>Collector DJV Series</b>	J	J
<b>No. of collectors</b>	2	3

## Solar Storage Tank

<b>Tank model</b>		DBV270
<b>Storage capacity</b>	litres	270
	US gal	71
<b>Installation</b>		outdoor
<b>Weight empty</b>	kg	167
	lbs	368
<b>Weight full</b>	kg	437
	lbs	963

## Gas Boosted Specifications

<b>Booster type</b>		continuous flow
<b>Booster size</b>	litres/min @ 25°C rise	27
	US gal/min @ 45°F rise	7.1
<b>Supply voltage *</b>	volts	240 (50 Hz)
<b>Min. flow rate</b>	litres / min	3.0
	US gal / min	0.8
<b>Frost protection</b>		standard
<b>Thermal input natural or propane</b>	MJ/h	205
<b>Gas connection</b>		R $\frac{3}{4}$ "/20
<b>Gas pressure maximum</b>	kPa	3.5
<b>minimum – natural</b>	kPa	1.13
<b>minimum – propane</b>	kPa	2.75

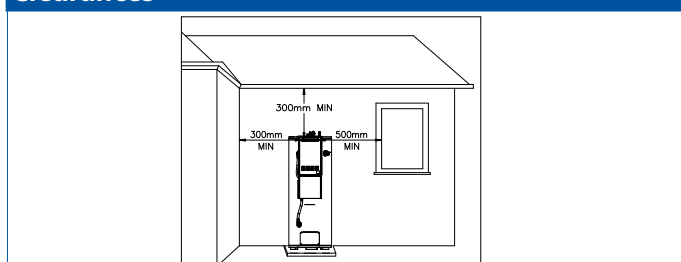
\* Two weather proof General Purpose Outlets (GPO) are required within 1.2m of the water heater. This water heater will only operate on an electricity supply with a sine wave at 50Hz. Devices generating a square wave or a lower frequency cannot be used to supply power to the water heater.

## Water Supply

<b>TPR valve setting</b>	kPa	1000	psi	145
<b>ECV setting</b>	kPa	850	psi	125
<b>Max. supply pressure</b>				
<b>with ECV</b>	kPa	680	psi	100
<b>without ECV</b>	kPa	800	psi	115
<b>Min. supply pressure</b>	kPa	140	psi	20
<b>Water connections</b>	cold		RP $\frac{3}{4}$ "/20	
	hot		RP $\frac{3}{4}$ "/20	
	warm		RP $\frac{3}{4}$ "/20	
<b>Closed circuit</b>	solar		DN15 compression fitting	

\* Expansion Control Valve (ECV) is not supplied.

## Clearances



Technical data is subject to change.

## Collector

<b>Aperture area</b>		m <sup>2</sup>	1.87	ft <sup>2</sup>	20.0
<b>Dimensions</b>	<b>length</b>	mm	1937	in	76.3
	<b>width</b>	mm	1022	in	40.3
	<b>height</b>	mm	77	in	3.0
<b>Capacity</b>		litres	3.5	US gal	0.9
<b>Weight</b>	<b>empty</b>	kg	42	lbs	93
	<b>full</b>	kg	46	lbs	101
<b>Working pressure</b>		kPa	200	psi	30
<b>Absorber surface KF</b>					Chromonyx selective surface
<b>Absorber surface J</b>					Black polyester powder coat
<b>Absorber/Riser material</b>					Steel
<b>Number of risers</b>					35
<b>Tray material</b>					0.7mm aluminium
<b>Insulation material – base KF</b>					38 mm glasswool blanket
<b>Insulation material – base J</b>					38 mm polyester blanket
<b>Glass</b>					3.2 mm tempered low iron

## Collector Installation

<b>Roof Area Dimensions</b>	collectors	2	3
<b>Length*</b>	m	2.0	2.0
	in	78.8	78.8
<b>Width*</b>	m	2.3	3.4
	in	90.6	133.9
<b>Collector kits (KF &amp; J collectors)</b>		12104299 (2 collectors)	12109300 (3 collectors)

\* An additional 0.9m (35.4in) should be left on all four sides of the installation for safe access and servicing.

## Dimensions

