



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 CO₂ 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 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

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

Solar Storage Tank

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

Gas Boosted Specifications

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

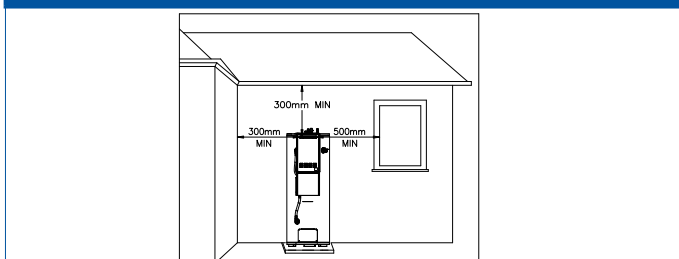
* Two weather proof General Purpose Outlets (GPO) are required within 1.2m of the water heater. This water heater will only operate on an electricity supply with a sine wave at 50Hz. Devices generating a square wave or a lower frequency cannot be used to supply power to the water heater.

Water Supply

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

* Expansion Control Valve (ECV) is not supplied.

Clearances



Technical data is subject to change.

Collector

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

Collector Installation

Roof Area Dimensions	collectors	2	3
Length*	m	2.0	2.0
	in	78.8	78.8
Width*	m	2.3	3.4
	in	90.6	133.9
Collector kits (KF & J collectors)		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

