



## Inline Gas Booster

### Description

The Solahart inline gas booster is designed for use with either a Thermosiphon system with over temperature protection or a Streamline system. It provides all the benefits of solar hot water with the convenience and benefits of gas water heating, giving you luxurious hot water whenever you need it, all year around.

The hot water from your Solahart tank is piped to the booster. If it senses the water is up to temperature, the water passes through

the gas booster without further heating and is delivered to the tap. If it senses the temperature is less than the preset level it will automatically cut in so you always have a constant stream of hot water with the lowest possible energy usage. The Solahart inline gas boosters are rated at 6-stars for energy efficiency and have no pilot light, to minimise energy wastage.

### Key Features

- Can be used with either Thermosiphon or Streamline systems
- 6-star for minimal energy use
- Compact design
- Natural gas and propane models available
- Optional recess box with padlock security feature available
- Optional pipe cover available
- Optional security cage available

### Key Benefits

- Hot water whenever you need it
- Solar savings with the benefits of gas water heating\*
- Great for the environment
- Access to valuable government environmental incentives\*
- Space efficient
- Reduced energy use saves on CO<sub>2</sub> emissions\*
- Peace of mind with 5/3/1<sup>†</sup> year warranty

\*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.

<sup>†</sup>Solahart Warranty Details: 5/3/1 warranty, 5 year heat exchanger supply, 3 year labour on heat exchanger, 1 year parts including labour; applies to a single family domestic dwelling only. All other applications have a 1/1/1 warranty, 1 year heat exchanger supply, 1 year labour on heat exchanger, 1 year parts including labour.

# Solahart Inline Gas Booster System

The Inline Gas Booster system is suitable for frost areas but not suitable for harsh water regions<sup>^</sup>. This water heater is suitable for outdoor installation only. This water heater is not suitable for use with a solar water heater without an over temperature protection system unless a solar transfer valve is installed.

Inline Gas Booster				
Model			20	27
Part no	natural gas	PN	10143204	10143274
	propane gas	PN	10143205	10143275
Gas Energy Rating	stars		6	6
No. of Bathrooms	Moderate climate		2	3
	Cool climate		1	2.5
Min. operating flow rate	L/min		2.5	2.0
Thermal input	MJ/h		153	205
Heating rate	L/min @ 40°C rise		12.5	16.7
	L/min @ 25°C rise		20	27
Weight	kg		18	24
Height	mm		592	669
Width	mm		350	351
Depth	mm		164	227
Frost protection			standard	standard
Gas connection			R ¾ / 20	R ¾ / 20
Gas pressure	maximum	kPa	3.5	3.5
	minimum - natural	kPa	1.13	1.13
	minimum - propane	kPa	2.75	2.75
Electricity supply*			240V	240V

\* A weatherproof general power outlet (GPO) is required within 1.2m of the inline gas booster.

Accessories - Optional				
			20	27
Recess box (galvanised finish)	PN		299842	299831
Pipe cover (powder coated)	PN		299838	299830*
Security Cage	PN		299867	299867
Wall mount security kit	PN		299868	299868

\* 299830 is supplied in an antique white finish only.

Water Supply				
Relief valve setting	kPa	1750	psi	255
Max. supply pressure*	kPa	1000	psi	145
Min. supply pressure**	kPa	140	psi	20
Water Connections (inline gas booster)	inlet		R ¾ / 20	
	outlet		R ¾ / 20	

\* Maximum water supply pressure of solar preheater may be less than for the inline gas booster.

\*\* Minimum water supply pressure required to achieve the rated flow.

Power Consumption				
Component			20	27
Burner on, anti frost device inactive	Watts		61	80
Burner on, anti frost device active	Watts		151	175

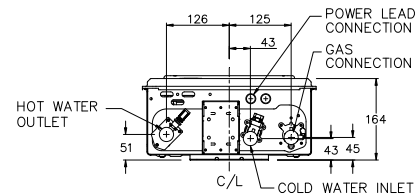
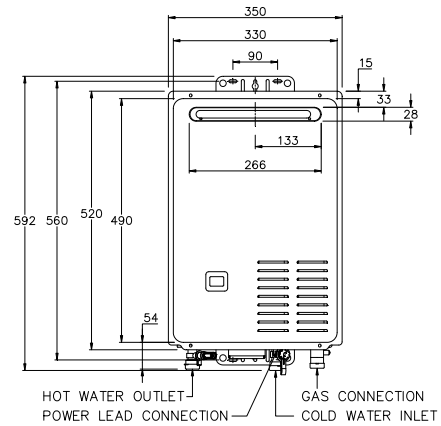
The water heater will only operate on an electricity supply with a sine wave at 50Hz. Devices generating a square wave or a lower frequency cannot be used to supply power to the water heater.

<sup>^</sup> Harsh water regions - the Solahart warranty will not apply to the inline gas booster heat exchanger if it is connected to a water supply which: is scaling with a Saturation Index > +0.8, or: is corrosive with a Saturation Index < -1.0.

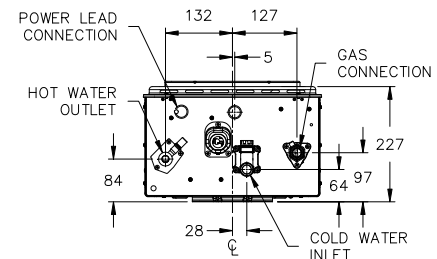
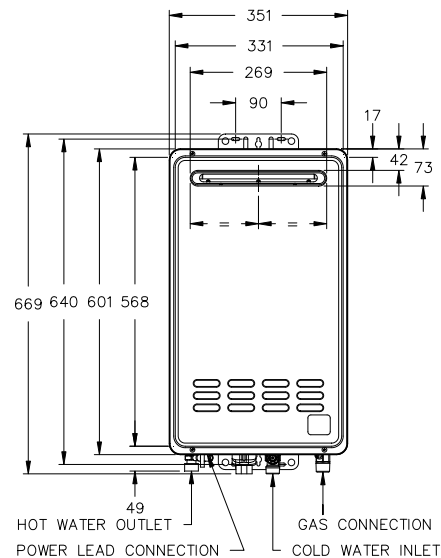
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Reorder: SHB/2027GB SH970IGB - March 2013

## Inline Gas Booster - 20 litre



## Inline Gas Booster - 27 litre



Technical data is subject to change.