

Rinnai



Sunmaster
Solar Systems





Close Coupled Systems

A close coupled solar system is where the storage tank and the Solar Collectors are coupled together and the installation is on the roof.

Rinnai Sunmaster Close Coupled Solar Systems use the thermo-syphoning principle (i.e. hot water rises because it is less dense) to circulate the water through the collectors and then to the storage cylinder without the need for a pump.

Supplementary heat is available from an electric element or a Rinnai gas booster if insufficient heat is available from the sun (such as during cloudy or rainy weather or during winter months).

Features and Benefits

- Flow heat loss due to greater insulation.
- Gas or electric booster options.
- Carbon steel tank with a durable vitreous enamel glass lining to protect against corrosion.
- Thermal Arrestor Valve reduces stress on the tank by preventing excessive hot water temperature stored in the tank.
- Very efficient, economical to install and low maintenance.
- No electricity is required to operate pumps to recirculate the water through the collectors.
- Saves space around your building boundary as there is no ground mounted tank.
- Highly efficient performance resulting in high Small Scale Certificates awarded.
- Suitable for region ('D') cyclone areas.



Description	System	Size	Booster	Collectors	Boost capacity	System Selection - No. of people	
						Average usage	High usage
Close Coupled Electric	9	200L	2.4 kW	1 x Enduro	100	3	2
	10	330L	3.6 kW	2 x Enduro	180	6	4
Close Coupled Gas	11	200L	S20	1 x Enduro	20L/min ⁽¹⁾	3	2
	12	330L	S26	2 x Enduro	26L/min ⁽¹⁾	6	4
Close Enduro Pumped Gas	14-20	200L	S20	1 x Enduro XL	20L / min	3	2
	14-26	200L	S26	1 x Enduro XL	26L / min	6	4

Description	System	Government STC Rebates			
		Z1	Z2	Z3	Z4
Close Coupled Electric	9	18	19	17	16
	10	39	42	37	33
Close Coupled Gas	11	23	27	23	21
	12	39	42	38	33
Close Enduro Pumped Gas	14-20	28	31	27	24
	14-26	28	31	27	24

⁽¹⁾Select booster to match the number of hot water outlets that will operate at the same time.

Split Systems

A split system is where the storage tank and the solar collectors are split and installed separately.

A solar control unit ensures the water circulates between the solar collectors and the storage tank. This transfers heat from the collectors to the water in the tank if enough heat is available from the sun. An electric element or a Rinnai Gas Booster mounted either on a wall or on the side of the tank will boost the temperature of the solar heated water if necessary.

We're at your service

The National Customer Care Centre provides first class service and maintenance of your system, ensuring it's running at its highest efficiency - so you can enjoy the Rinnai experience for many years to come.

Operating 5 days a week
(Monday to Friday)

13 43 73



Features and Benefits

- Streamlined appearance – minimal impact on the aesthetics of your roofline with only the collectors visible.
- Light weight Australian made steel tank with durable vitreous enamel glass lining to protect against corrosion.
- Tall slimline tank design with a smaller footprint for minimal aesthetic impact.
- Continuous Flow Gas Booster – same technology as the Rinnai INFINITY.
- Electric boosted packages featuring optimized element position.
- High efficiency flat plate collectors.
- Evacuated tube (EVT) systems available for frost protection down to -12°C and flat roof frames available.
- Easy installation.
- Ground mounted tank can be installed internally or externally.
- Gas or electric booster ensures that you will never run out of hot water.
- Collectors and the tank do not need to be installed at the same time.
- Split systems do not require reinforcement of the roof structure, as the weight associated with water storage is at ground level.
- Highly efficient performance resulting in high Small Scale Certificates awarded.
- Suitable for region 'D' cyclone areas.



Frost Protection

Installing the Correct System

Certain regions of Australia will occasionally experience low ambient temperatures or be prone to snap frost events throughout the seasons.

In order to ensure a long and trouble free service from a solar hot water system it is essential to install the correct system. All Sunmaster systems have low temperature or frost protection available through the use of Evacuated Tube (EVT) Collectors. These EVT's consist of borosilicate glass with an inner glass tube that provides an inner vacuum for heat retention and frost protection, this principle allows the EVT's to withstand temperatures as low as -12°C as well as generating highly efficient solar gain.

A complete list of postcodes to determine where EVT systems must be installed is found in the solar hot water warranty booklet. Visit our website for more information.



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For further information
call 1300 555 545 or visit
rinnai.com.au

TOTAL HOME COMFORT



HOT WATER



HEATING



COOLING

Rinnai