

Rinnai



REFERENCE GUIDE

Hot Water

Experience Our Innovation



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Experience our Innovation

For 40 years Australians have been enjoying the comfort, convenience and reliability of Rinnai gas appliances. Our innovative products are designed with the environment in mind, with low emission technology and high efficiencies, as well as a host of other great features.

Rinnai is committed to ongoing innovation - delivering efficient, well designed and engineered lifestyle solutions offering a host of benefits including versatility, safety, control, water conservation as well as guaranteed reliability. Backed with extensive warranties and after sales service teams, Rinnai is proud to be the No.1 choice for Continuous Flow Hot water in Australia. In addition, our innovative range of Solar Hot Water Systems boast market leading efficiencies that ultimately enjoy higher Government rebates.

Through innovation, we will endeavour to continue offering superior ranges of home appliances that provide a clear insight into what the future holds for Australian homes

About this Brochure

This 'Hot Water Reference Guide' is to be used in conjunction with the consumer brochure. The contents of this brochure are more of a technical nature and it has been produced in relevant technical sections rather than by specific product pages as in the consumer brochure.

It is designed to be a quick reference guide to questions that may be asked to ensure selection of the best hot water solution for an application.

Need additional help?

Please contact Rinnai Customer Care on 1300 555 545
Monday to Friday 8.00am – 5.30pm EST

Certifications





Range Overview – Hot Water

Rinnai has an extensive range of hot water systems that cater for both domestic & commercial applications. Each range has specific and unique benefits which are explained both below and throughout this brochure.

Gas Continuous Flow

- Only heats the water when it is needed
- Highly efficient and compact allowing flexibility in installation options
- Additional Water Controllers add precise temperature control for convenience & safety as well as a host of other benefits
- Designed with low burner settings making them the most compatible with lower flow rated (WELS) showers & basin outlets
- Largest range of models suiting varied domestic, builders & commercial markets
- Available in 60°C preset or 50°C adjustable to True 50°C at the Tap
- Internal, Enviro (high efficiency condensing) and Inbuilt Smartstart models available
- Extensive accessory options – Recess Boxes, Pipe Covers, Flue Diverters, Smartstart® and Security Brackets

HANDY HINT

By adding 2 or more Water Controllers, the Parts & Labour warranty is automatically increased from 3 to 5 years



Solar Systems

- Utilises the energy from the sun to pre-heat the water
- Benefits of low running costs and low greenhouse emissions
- Close Coupled roof or split ground mounted systems
- Choice of superior quality long-life Stainless Steel with extensive warranties or durable Vitreous Enamelled steel cylinders
- Selection of Solar Collectors in both Standard & Frost Tolerant (FTC) configurations, and the E-frost Collector for Split Systems installed in high frost areas
- Full range of sizes to suit all domestic applications & climates
- Choice of 3 gas booster sizes to suit small to large homes
- Internal solar booster also available
- Choice of electric element sizes enabling easy changeover from old electric systems
- Substantial Government rebates and incentives apply for most domestic installations

HANDY HINT

Gas Boosted Systems are awarded far higher rebates than Electric Boosted Systems and this should always be considered when deciding on the system type and comparing costs.



Solar Split System



Solar Close Coupled System

HOTFLO Mains Pressure Electric Storage

- Full range of capacities to suit all requirements - 25 to 400 litres
- Flexibility of various element sizes with dual handed connections making them ideal for replacing older systems
- High quality durable Vitreous Enamel steel construction
- Flexibility - suitable for internal and external use
- Thermostatically controlled with safety temperature shut off for added safety and peace of mind



HOTFLO Electric Storage Tanks

HOTFLO Mains Pressure Gas Storage

- Fast recovery time
- Efficient 4 star energy rating
- Quick, easy no fuss installation
- Can be installed with left or right handed coupling
- Available in 2 standard sizes, perfect for emergency changeover getting you back up and running fast
- Rinnai quality and durability



HOTFLO Gas Storage Tanks

HANDY HINT

Always err on the high side when sizing electric systems. Under sizing can result in a lack of hot water and very unhappy customers!

Commercial Hot Water Systems

- Heavy Duty Continuous Flow units – smaller Commercial applications
- Manifold Packs – multiple units plumbed together with a maximum flow rate sized to suit a set number of outlets (ie shower block with pre-set outlet temperature)
- Demand Duo – single or multiple units manifolded together in conjunction with storage cylinders. Stored hot water assists with 'peak demand' periods like mornings in a hotel.
- Warm Water Systems designed for flow & return installations
- Commercial Solar pre-heat systems
- Natural draft common flues available for internal models



Rinnai Demand Duo System

Continuous Flow Hot Water

Range at a glance

Rinnai has the largest range of Continuous Flow water heaters in Australia today. As the company that developed the Continuous Flow technology, we now have 6 dedicated ranges designed for specific applications.

The table below highlights the basic differences between the ranges as a general guide:

| | Rinnai INFINITY | Rinnai Enviro | Rinnai 26 Smartstart® | Rinnai Builders Series | Rinnai Heavy Duty (HD-Series) | Rinnai Solar-Series |
|------------------|---|---|---|--|---|---|
| Range |  |  |  |  |  |  |
| External Models | 5 | 2 | 1 | 3 | 2 | 2 |
| Internal Model | 1 | - | - | - | 1 | 1 |
| Efficiency | 5.6 - 6.2 Star | 6.8 and 7.0 Star Equiv | 5.8 Star | 5.8 - 6.2 Star | 5.6 - 6.1 Star | N/A |
| Primary Use | Domestic | Domestic Builders, Projects & Commercial | Domestic | Builders & Projects | Commercial | Solar Boost Only |
| Water Controller | Compatible | Compatible | Compatible | Compatible | Compatible | Not Compatible |
| Status Monitor | 26Plus Only | Yes | No | No | Yes | No |
| Colour | Euro White | Star Metallic | Euro White | Dune | Titanium | Dune |
| Pre-Set Temp | 50°C & 60°C | 60°C | 50°C | 50°C & 60°C | 50°C & 75°C | 70°C |

Selection Guide & Sizing

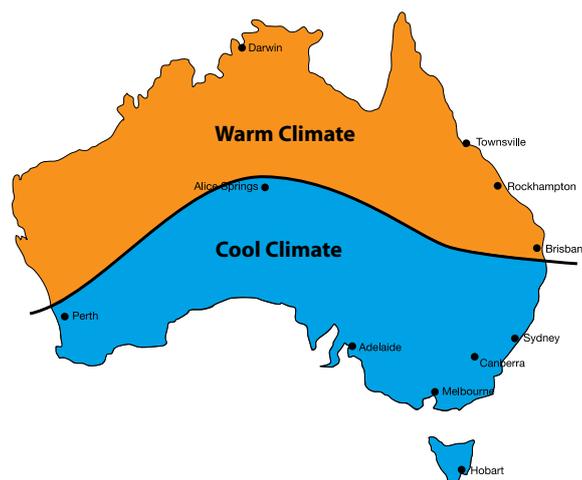
To ensure that the best Continuous Flow unit is installed in any application, we recommend breaking it down to 6 basic considerations

1. How many Showers are there?

Selecting a Continuous flow system is easy! The simplest way to identify your hot water needs is by the number of shower outlets in your home. Output based on number of showers ensures temperatures and pressure stability when you need it most. Rinnai has comfort and luxury in mind with Enhanced Combustion Technology (ECT) ensuring you get the most out of your low flow shower rose.

2. What is Geographical location?

Ambient water temperature greatly affects the amount of hot water demanded from the system. Please refer to the map and table below as a guide only.



Temperature map zoning based on seasonal ambient water temperatures

| Applicable Models | | INFINITY 16 | INFINITY 20 | INFINITY 26 | INFINITY 26i | Enviro 26 | 26 SmartStart | INFINITY 32 | Enviro 32 |
|------------------------|------|-------------|-------------|-------------|--------------|-----------|---------------|-------------|-----------|
| No. of shower outlets* | Warm | 1 | 1-2 | 1-3 | 1-3 | 1-3 | 1-3 | 1-4 | 1-4 |
| No. of shower outlets* | Cool | 1 | 1 | 1-2 | 1-2 | 1-2 | 1-2 | 1-3 | 1-3 |

*Sizing assumes AAA or "3 star" outlets. For non WELS rated or WELS rated fixtures with higher flow outlets (AA, A, 2 star or 1 star rated) a larger size appliance or additional appliance may be required to delivery adequate performance. Consult with your hot water specialist.

3. The type of shower roses installed?

Most States and Territories have legislation where new homes must have a minimum of 3 Star rated (9 litre/min) shower roses installed. Many older homes however, still have higher flow rated showers.

HANDY HINT

We recommend to replace shower roses with low flow rated (WELS approved) fixtures to assist with water conservation. Rinnai Continuous Flow models are more suited to lower flow rates than other units on the market.

4. Is there a large bath or spa?

If there is a large bath or spa that needs filling, then regardless of the number of bathrooms or showers, we'd recommend the larger 26 or 32 litre.

5. Design of the house? (The distance to the furthest tap)

Where are the bathrooms and other 'wet areas' in relation to the hot water system? The further away the shower, the longer it takes to get the hot water. Typically if the distance to an outlet is 15m or greater you could be looking at a time delay for the hot water of approximately 10-15 seconds.

As a general rule, Rinnai recommend:

- Units are best installed closest to the Kitchen – but with consideration to Bathroom locations
- New homes could consider two smaller units if hot water is required at opposite ends of home
- For long hot water runs, install a Rinnai Smartstart® pre-heat flow and return system
- Consider using a Rinnai 25 Litre under cabinet plug in tank for kitchen

6. Is it an Internal or External Installation?

Most installations are external. This is by far the least expensive alternative with the unit readily accessible for servicing. Alternatively Rinnai have internal units which can be placed inside the house, in a cupboard or even in the ceiling cavity. All Rinnai internal units require a flue to be installed to atmosphere. For further details of the flueing requirements, please refer to pages 9 to 11.

Hot Water Delivery Temperature

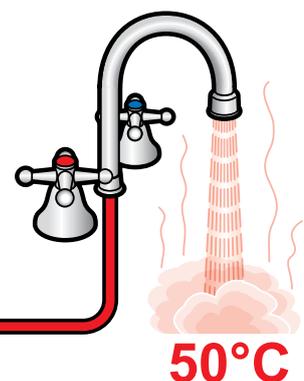
AS/NZS3500 regulates that the temperature allowed in areas used primarily for personal hygiene (Bathrooms, Ensuites and Powder Rooms) must be limited to a maximum of 50°C in domestic installations. There are 2 ways to achieve this with Rinnai Continuous Flow appliances:

- 1. Preset 60°C Appliances** – The installing plumber supply's and installs an approved Tempering Valve on the hot water branch line to the bathrooms etc set at a maximum of 50°C. This then allows for the hotter 60°C water to be supplied to the kitchen & laundry which is best for cutting greases and rinsing. Whilst this requires the additional expense of a Tempering Valve, it is Rinnai's preferred method of installation as it gives the end-user the best hot water solution.
- 2. Preset 50°C Appliances** – This is where the unit is factory set to 50°C and the entire house is supplied at this temperature. This is adequate in most domestic situations, but any temperature losses in the pipe work due to poor or old insulation can result in lower temperatures being delivered at the outlet. This is usually noticeable in the kitchen when trying to wash dishes with (say) 46 or 47°C. Previously there was no way of overcoming this other than re-insulating supply lines until now.



Rinnai Preset 50°C Now adjustable to give True 50°C at the Tap

Recent amendments to AS3498 allows for the introduction of adjustable 50°C Preset appliances. Similar to Tempering Valves, the installing plumber can now measure the temperature at the outlet with a thermometer and if necessary, adjust the Rinnai Continuous Flow unit. This can be done in increments of 1°C to a maximum of 4°C.



HANDY HINT

Instructions on how to adjust the temperature are located on the back of the front panel inside the unit.

Water Controllers

Why install Water Controllers?

Rinnai strongly recommend installing Controllers to allow you to take full advantage of all the benefits available. Water Controllers, depending on the model selected, enable the following additional benefits with any Continuous Flow model with the exception of Solar Boost units:

All Controllers:

- Eliminate temperature fluctuations if someone else turns on another tap
- Allow the user to pre-set safe temperatures
- Enable precise temperature control up to 50°C in the Bathrooms and up to 60°C in the Kitchen
- Conserve water usually wasted juggling the hot & cold taps
- Installing 2 Controllers extends the Parts & Labour warranty of the Rinnai INFINITY from 3 years to 5 years
- Activate the Rinnai Smartstart® pre-heat function (see page 16 for details)
- Install up to 4 Controllers (some limitations apply, see below)

Universal (Wired) Controllers

- Ideal for new homes and renovations where easy access to running wires is appropriate
- Are a cost effective model with basic functionality including temperature control & room priority transfer
- Available in Grey only

Universal Wireless Controllers:

- Enable Controllers to be easily fitted into new homes & extensions
- Ideal for retrofitting into existing homes
- Same functions as the 'wired' Universal Controllers
- Additional Child Lock function for added safety
- Requires a transceiver to be connected to the hot water unit
- Additional Wireless Controllers can operate on the same transceiver
- Available in Silver only

Deluxe Controllers:

- Enable Controllers to be easily fitted into new homes & extensions
- Master Controller usually installed in the Kitchen
- Separate Bathroom Controllers
- All functions as per Universal Controller

Deluxe functions include:

- Automatic bath fill function (Bathroom controller only)
- Shower saver feature - preset desired litres (Bathroom controller only)
- Digital clock
- Speaker & volume controls
- Available in White or Silver



HANDY HINT

Regardless of whether Water Controllers are installed or not, to comply with AS3498- delivery of 50°C to ablution areas, a 50°C preset unit or 60°C unit with a tempering valve must be installed.

Maximum number of Water Controllers

A maximum of 4 Water Controllers can be fitted to all Rinnai Continuous Flow water heaters. Any combination of Universal Wireless or Wired or Deluxe Water Controllers can be used with the following provisions:

1. Only ONE Deluxe Master Water controller can be installed
2. Up to TWO Deluxe Bathroom Water Controllers
3. The FOURTH Water Controllers MUST BE a Universal Controller (Wired or Wireless)

Internal Flueing

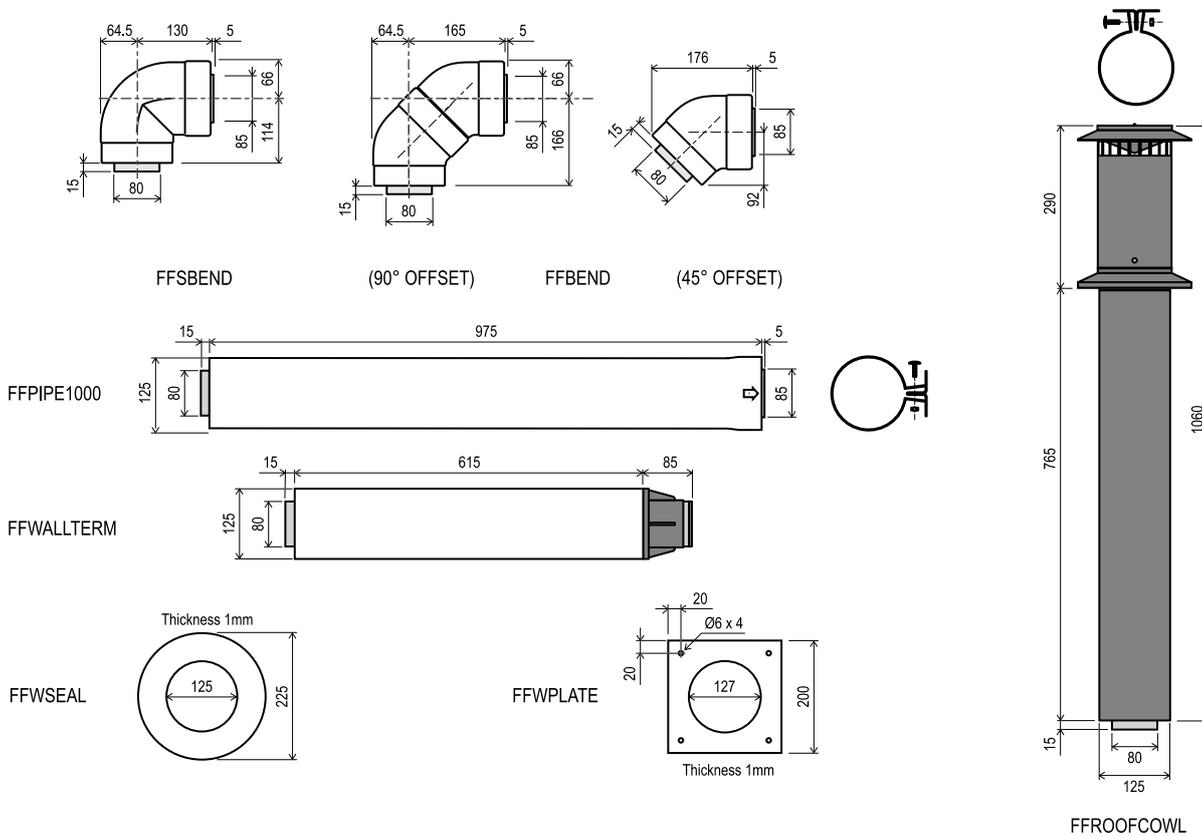
Rinnai offer three 26 litre internal models - the Rinnai INFINITY 26i domestic unit, the HD200i commercial model and the S26i solar booster. Ideal for replacement of existing internal hot water systems or simply used when limited space is available externally in applications such as apartments and townhouses. It is a balanced flue, room sealed appliance, drawing combustion air from the outside.

There are 4 flueing options that enable the installation of an internal Continuous Flow model virtually anywhere:

1. **Vertical Direct Flueing** - Straight up through the ceiling and penetrating the roofline
2. **Horizontal Direct Flueing** - 90° bend off top of unit, backwards or sideways through the wall
3. **Horizontal Extended Flueing** - Identical to horizontal flueing but with additional components to extend the length of the flue
4. **Combination Flueing** - Mixture of both horizontal and vertical flues

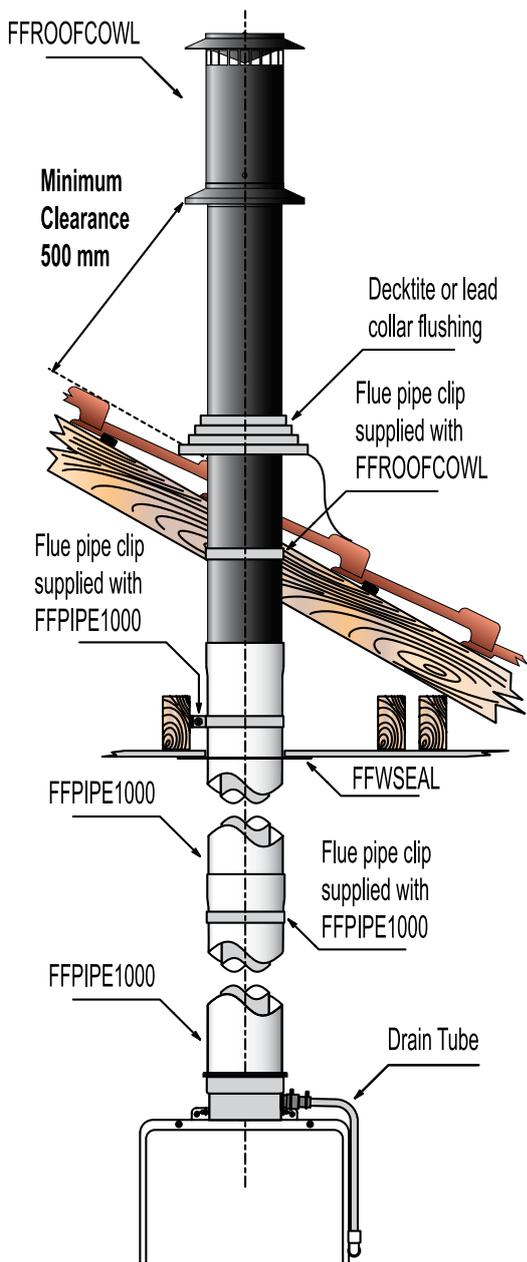
Flue Components

All Rinnai Internal Flue systems are made up from individual components. All components must be ordered separately.



Dimensions in mm

| Description | Code Number |
|-----------------------------|-------------|
| Starter Bend | FFSBEND |
| Universal 45/90 Degree Bend | FFBEND |
| Flue Pipe 1000mm length | FFPIPE1000 |
| Horizontal Flue Terminal | FFWALLTERM |
| Vertical Flue Terminal | FFROOFCOWL |
| Ceiling Ring | FFWSEAL |
| Wall Plate | FFWPLATE |



Vertical Direct Flueing

This is the most common system sold with flueing directly above the unit penetrating the roof line in a single storey home.

The following components will be required in these combination:

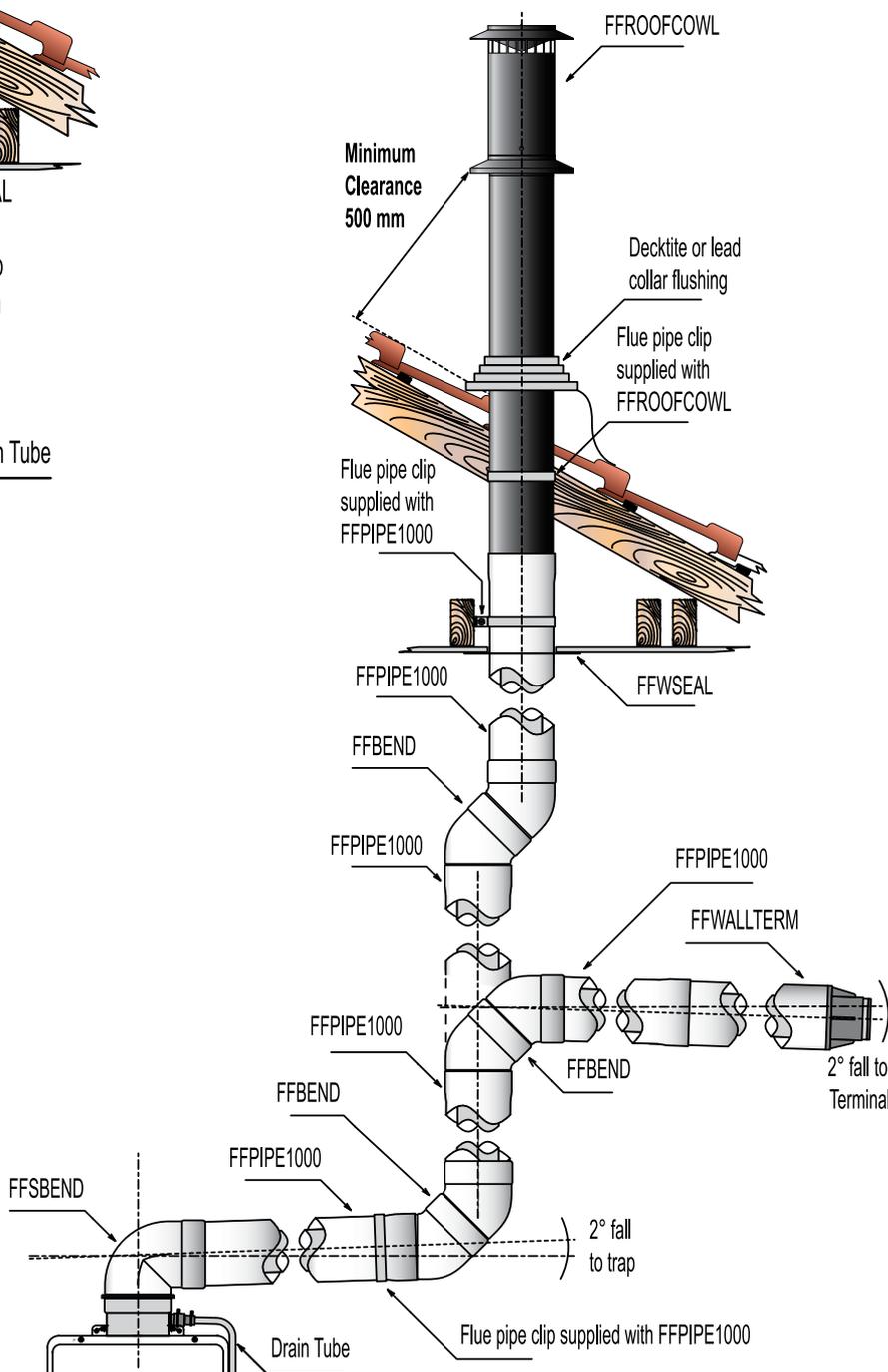
- Vertical Flue Terminal with roof cowl
- Additional Flue lengths (if required)
- Ceiling/Wall Ring (Cover plate)

Note: For vertical installations over 1.5m a condensate drain tube is also required.

Combination Flueing (Vertical and Horizontal)

(Multiple bends with a vertical or horizontal flue termination)

The flexibility of the various Rinnai flueing components enables our Continuous Flow internal models to be installed virtually anywhere, using a roof or wall terminal, extension pieces (mounted vertically and horizontally), bends, adaptors and condensate traps as required.

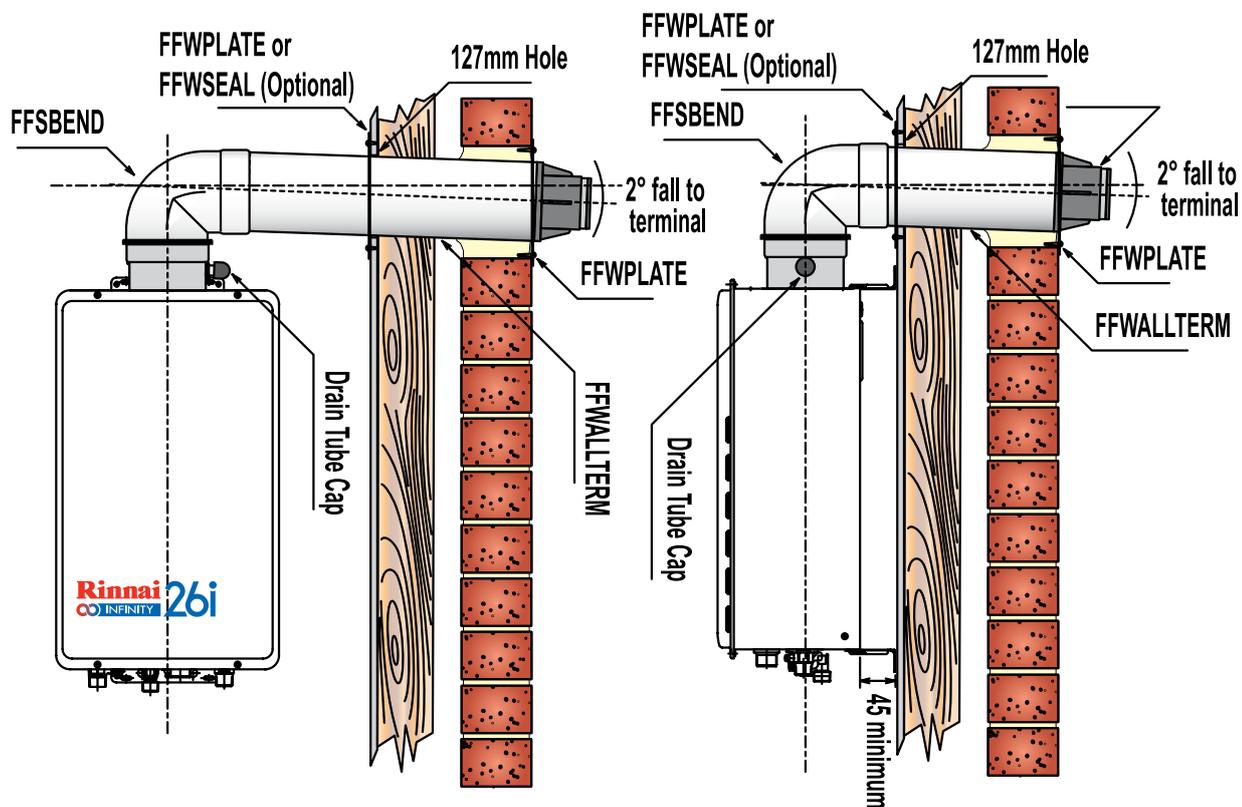


Horizontal Direct Flueing

The second most common system where the Continuous Flow model is flued directly out through a back or side wall.

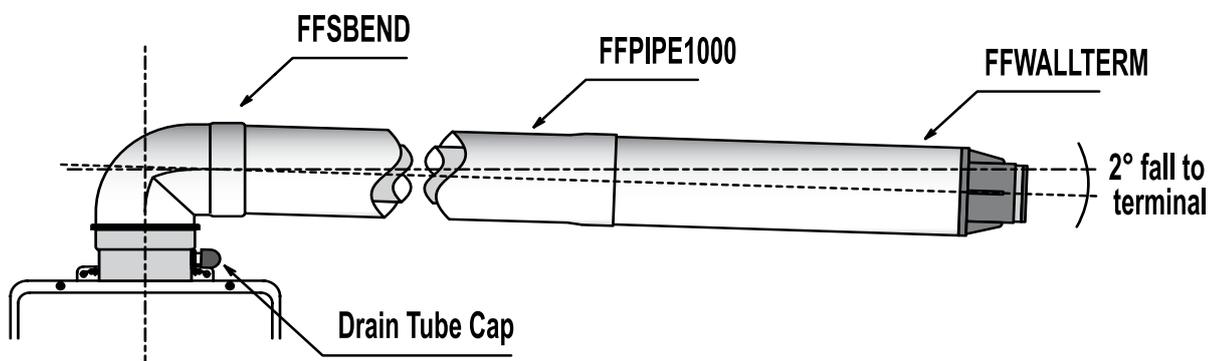
For this installation you will require the following components:

- 90° Bend & Starter
- Horizontal Flue Terminal (in desired lengths)
- External Wall plate
- Ceiling/Wall Ring (Cover plate)



Horizontal Extension Flueing

This option is used when the water heater is mounted against an internal wall and flueing needs to extend horizontally to exit an external wall. Rinnai flueing components must be used together with extension pieces and bends as required.



Important Flueing Rules

1. Installations can consist of both horizontal and vertical runs to a maximum length of 9 metres
2. Installations can have a maximum of three 90° bends.
3. For any installation over 1.5 metres in height, a condensate tube must be installed

Continuous Flow Technical Information

Flow Rate Characteristics

In response to market trends and as part of our continuous improvement processes, Rinnai have developed new technologies that allow our Continuous Flow models to operate over a wider range of conditions. Collectively known as “Enhanced Combustion Technology” (ECT), these new technologies result in even lower minimum gas and water flow rates, a tangible benefit to our domestic Continuous Flow customers in the trend towards saving water and energy.

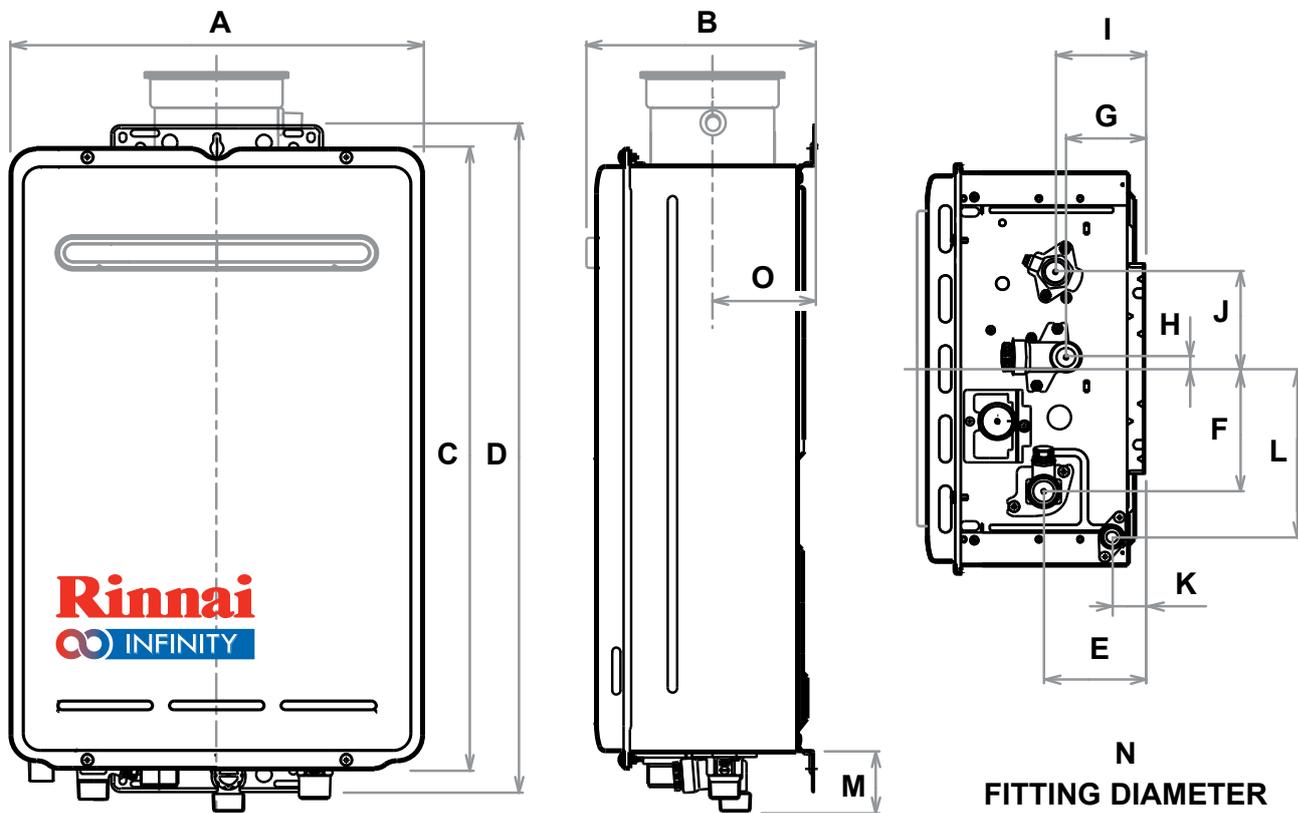
Our core Rinnai INFINITY Continuous Flow products have the lowest minimum gas rates on the market. This means that at the lowest possible burner settings the following two enhanced features are realised:

- a) They operate at lower flow rates which makes them more compatible with 3 star (7.5-9.0 l/min) low flow water saving fixtures
- b) They can operate at far higher ambient incoming water temperatures. This is particularly of benefit to the northern States of Australia and some inland areas where the water temperature from the ground can be as high as 30°C

Many Rinnai Continuous Flow models have variable flow rates that can exceed the commonly known flow rate. i.e. a Rinnai INFINITY 20 can actually give a maximum flow rate of 24 litres per minutes with a temperature rise of only 20°C. Ambient water temperatures vary immensely throughout Australia and often higher flow rates can be achieved with our models. This commonly applies when in use with Water Controllers set at showering temperatures between 37 and 42°C.

HANDY HINT

Cold Water (Ambient Temperature) + Temperature Rise = Outlet Temperature



Continuous Flow Specifications

| Model | | INF16 | B16 | S20 | INF20 | B20 | B24 | S26 | INF26 | INF26 SS | INF26 Plus | HD200e | INF26i S26i | HD200i | ENVIRO 26 | ENVIRO 32 | INF32 S32 | HD250e | |
|--|-----------|----------|----------|------|----------|----------|----------|------|----------|----------|------------|----------|-------------|----------|-----------|-----------|-----------|----------|-----|
| Factory Pre-Set Temps | °C | 50 60 | 50 60 | 70 | 50 60 | 50 60 | 50 60 | 70 | 50 60 | 50 | 60 | 50 75 | 50 60* | 50 75 | 60 | 60 | 50 60* | 50 75 | |
| Colour (W=White, D=Dune M=Metallic, T=Titanium) | | W | D | D | W | D | D | D | W | W | M | T | W | T | M | M | W | T | |
| Min Water Pressure (kPa) Max 1000 (kPa) | | 120 | 120 | 120 | 160 | 160 | 140 | 160 | 200 | 200 | 190 | 190 | 140 | 140 | 250 | 250 | 190 | 190 | |
| Gas Rate | NG | Min | 10.9 | 10.9 | 10.9 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 15.7 | 16 | 16 | 10 | 10 | 21 | 21 | |
| | | Max | 125 | 125 | 125 | 160 | 160 | 188 | 188 | 199 | 199 | 199 | 199 | 195 | 195 | 172 | 211 | 250 | 250 |
| | LPG | Min | 11.3 | 11.3 | 11.3 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 15.7 | 16 | 16 | 10.9 | 10.9 | 21 | 21 |
| | | Max | 125 | 125 | 125 | 160 | 160 | 188 | 188 | 199 | 199 | 199 | 199 | 195 | 195 | 172 | 211 | 250 | 250 |
| Flow Rate (L/Min) | 25°C Rise | | 16 | 16 | 16 | 20 | 20 | 24 | 24 | 26 | 26 | 26 | 26 | 26 | 26 | 32 | 32 | 32 | |
| | 20°C Rise | | 20 | 20 | 20 | 24 | 24 | 26 | 26 | 26 | 26 | 30 | 32 | 32 | 32 | 35 | 37 | 37 | 37 |
| Star Rating | | 6.2 | 6.2 | N/A | 5.9 | 5.9 | 5.8 | N/A | 5.8 | 5.8 | 5.8 | 5.9 | 6.1 | 6.1 | 7.0 | 6.8 | 5.6 | 5.6 | |
| Width | A | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 470 | 355 | 350 | 350 | 350 | 470 | 470 | 470 | 470 | |
| Depth | B | 194 | 194 | 194 | 194 | 194 | 194 | 194 | 194 | 239 | 202 | 251 | 234 ~ 274 | | 283 | 283 | 244 | 244 | |
| Height | C | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 600 | 503 | 600 | 600 | 600 | 670 | 670 | 600 | 600 | |
| Height Inc Brackets | D | 571 | 571 | 571 | 571 | 571 | 571 | 571 | 571 | 644 | 571 | 636 | 641 | 641 | 722 | 722 | 644 | 644 | |
| Hot Water Outlet From Wall | E | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 83 | 87 | 96 | 91 ~ 131 | | 115 | 115 | 115 | 115 | |
| Hot Water Outlet From Centre | F | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 47 | 105 | 110 | 110 | 110 | 100 | 100 | 61 | 61 | |
| Cold Water inlet From Wall | G | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 119 | 68 | 75 | 70 ~ 110 | | 75 | 80 | 99 | 99 | |
| Cold Water inlet From Centre | H | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 49 | 10 | 27 | 27 | 27 | 13 | 28 | 52 | 52 | |
| Gas Connection From Wall | I | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 79 | 77 | 104 | 99 ~ 139 | | 104 | 104 | 61 | 61 | |
| Gas Connection Line From Centre | J | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 142 | 83 | 89 | 89 | 89 | 103 | 103 | 110 | 110 | |
| Condensate/Return Line From Wall | K | | | | | | | | | 108 | | | | | 138 | 138 | | | |
| Condensate/Return Line From Centre | L | | | | | | | | | 166 | | | | | 195 | 195 | | | |
| Gas Connection Length From Base | | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 41 | 41 | 41 | 40 | 40 | 41 | 41 | |
| Cold Connection Length From Base | M | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 51 | 51 | 51 | 50 | 50 | 51 | 51 | |
| Hot Connection Length From Base | | 39 | 39 | 39 | 39 | 39 | 39 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 42 | 42 | |
| Gas Ø | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Cold Ø | N | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Hot Ø | | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Condensate/Return Ø | | | | | | | | | | 20 | | | | | 15 | 15 | | | |
| Flue Spigot Centre from Wall | O | | | | | | | | | | | | 95-135 | | | | | | |

* S26i and S32 preset to 70°C for Solar boosting

Continuous Flow Accessories

Rinnai offer a comprehensive range of accessories that assist with the installation of Continuous Flow models.

Recess Boxes

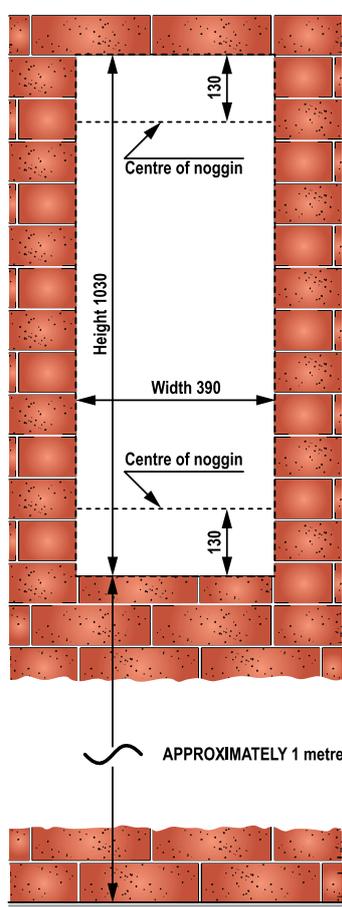
When installing a Rinnai Continuous Flow unit in a new home or renovation, you should consider using a recess box. These boxes allow you to virtually hide the hot water system into the cavity enabling a smooth and neat finish to the job. All are available in full and semi-recessed options.

There are 3 types of recess boxes:

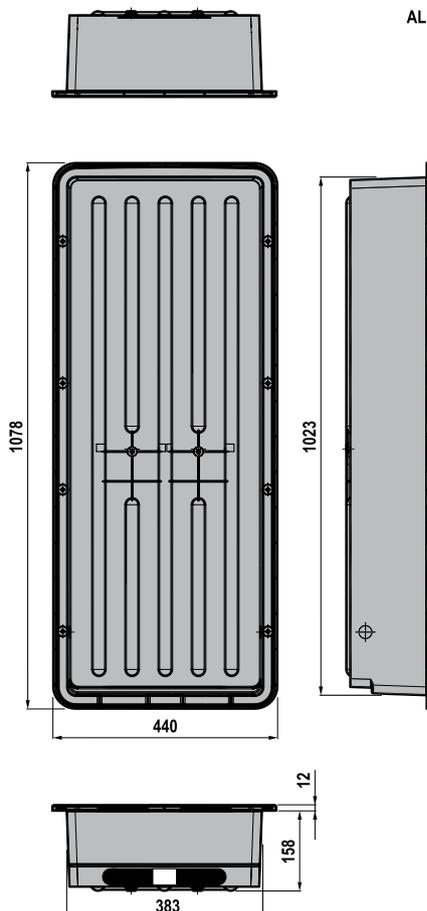
1. Smartbox® – suits all external Continuous Flow units except the larger INF32, Envirosmart & Commercial models
2. RBOX02 – suits INF32, HD200e & HD250e
3. RBOX05 - suits Enviro 26 & 32

Smartbox®

- Ideal for new homes or major renovations
- Save precious space by utilising the existing wall cavity
- Made from durable ABS plastic
- Suits any application:
- Brick: compatible for use with brick ties
- Rendered: complete with off-set spacers
- Weatherboard: used with semi-recess frame
- Full or semi recess options available
- Supplied standard in neutral DUNE colour – UV stabilised
- Fully paintable to blend with any colour scheme
- Not suitable for the INFINITY 32, Commercial units or Enviro models

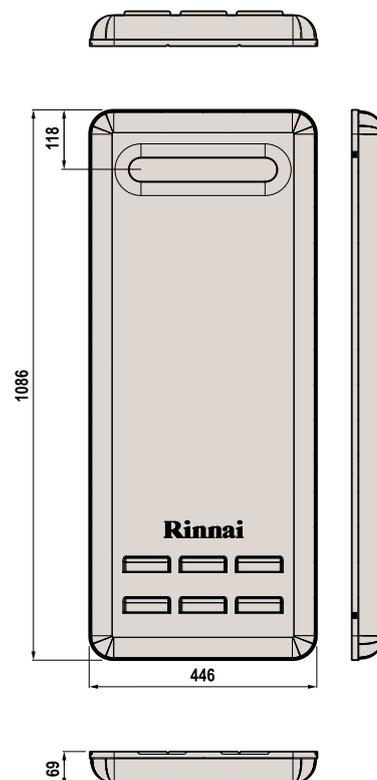


OPENING



Smartbox INSERT (SBOX1)

ALL MEASUREMENTS ARE IN MM UNLESS OTHERWISE STATED



Smartbox COVER (SBOXC)

RBOX02 & RBOX05 (Galvanised Recess Boxes)

The RBOX02 recess Box is for use with the larger INFINITY 32, HD200e & HD250e Continuous Flow water heaters and is suitable for brick constructions only. The RBOX05 is suitable for the INFINITY 26 Enviro and the INFINITY 32 Enviro.

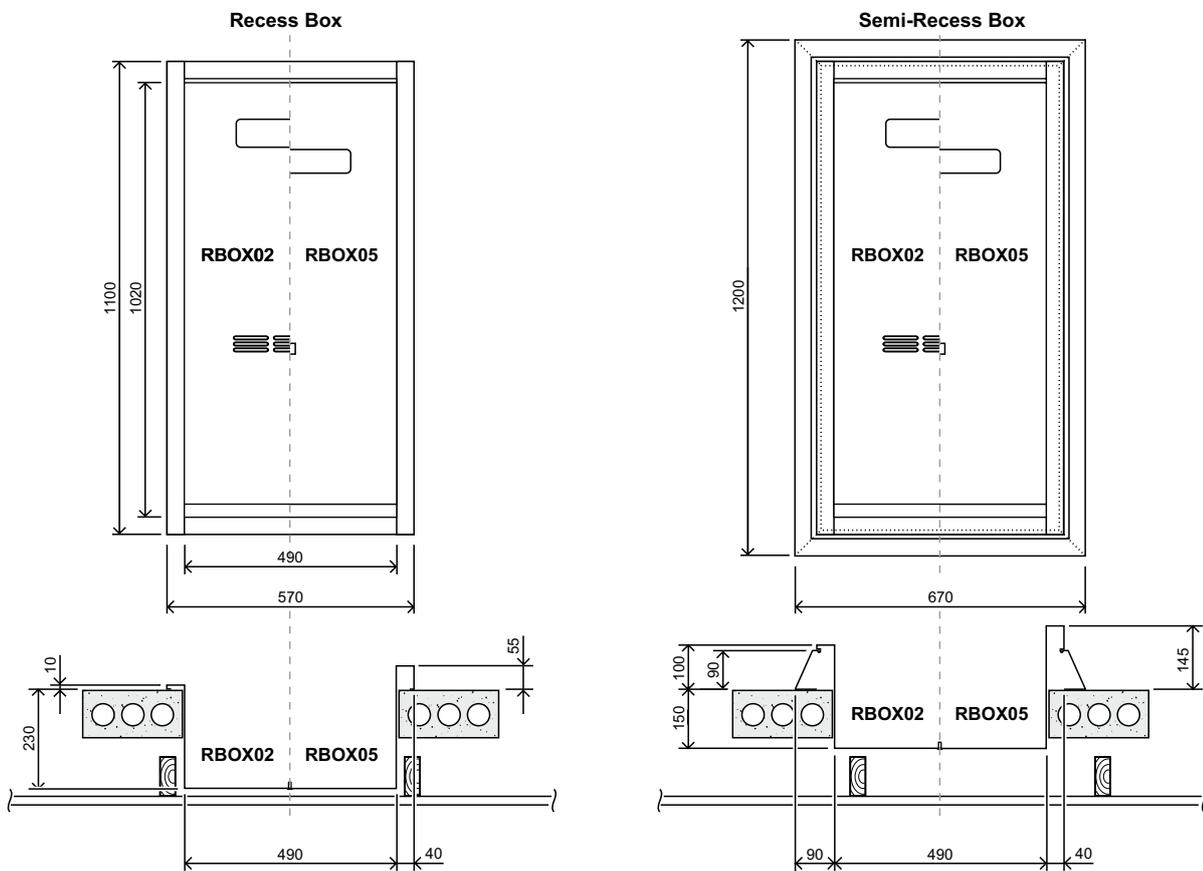
Recess Boxes are usually installed as follows;

New Homes or Extensions

- As the brickwork is being laid
- Usually installed before the plumbing rough-in
- Secured by fold-out brick ties incorporated in the box

Existing installations

- By cutting an opening in the brickwork
- Strengthening with a lintel as necessary
- Secured by drilling holes in the sides and fix in position with suitable flush headed masonry anchors



| Model | Suits | Material | Opening Dimensions (mm) | | | Wall Protrusion (mm) | Recess | Code |
|----------|--|-------------|-------------------------|-----------|-------|----------------------|--------|----------|
| | | | Width | Height | Depth | | | |
| Smartbox | INFINITY 16, 20 & 26, 26Plus B16, B20 & B24 Solar S20 & S26 | ABS Plastic | 385-395 | 1025-1050 | 160 | 69 | Full | SBOX |
| | | | | | 95 | 125 | Semi | SBOXF* |
| RBOX02 | INFINITY 32 INFINITY 26 Smartstart Commercial HD200e Commercial HD250e | Galv. Steel | 495-530 | 1020-1050 | 230 | 10 | Full | RBOX02 |
| | | | | | 140 | 100 | Semi | RBOX02F* |
| RBOX05 | INFINITY Enviro 26 & 32 | Galv. Steel | 495-530 | 1020-1050 | 230 | 55 | Full | RBOX05 |
| | | | | | 140 | 145 | Semi | RBOX02F* |

* Ordered in addition to the full Recess Box

Rinnai INFINITY 26 Smartstart®

Introducing Australia's first dedicated 26 litre 'water saving' hot water system. Utilising Rinnai patented technology, the Smartstart® was developed specifically to reduce water wastage whenever a hot tap is turned on.

- Allows user to pre-heat the water in the pipes before the tap is turned on
- Simply activated by the 'preheat' button on any Rinnai Water Controller
- Takes a minute or two to warm up depending on the size of the installation
- Saves literally tens of thousands of litres of water over the life of the hot water system

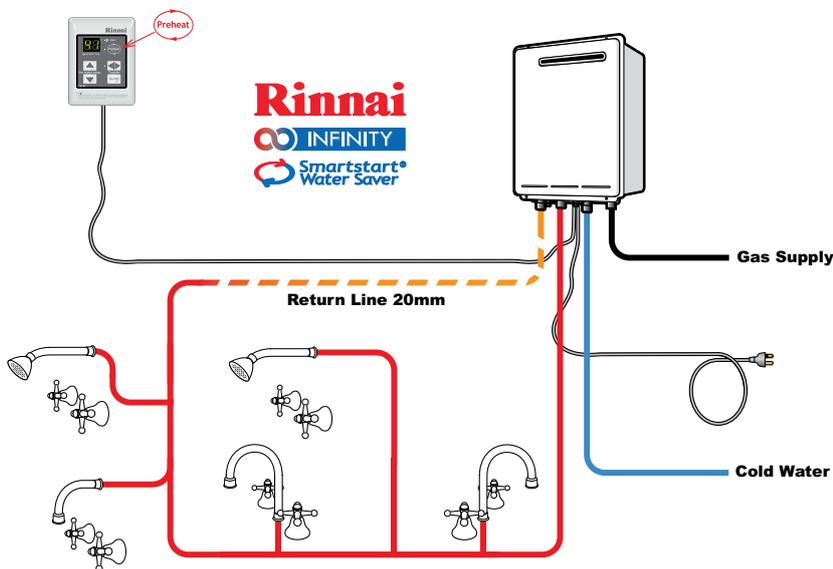
Plumbing is designed as a 'ring-main' or flow and return loop around the house. In existing homes, a return line can be plumbed in from the furthest point back to the Rinnai Continuous Flow unit.

Operation overview

The Smartstart® system heats the water in the pipework water connected between the water heater and the hot water outlets before any outlets are opened using the 'flow and return' pipework principle. This results in water savings and reduced waiting time for heated water delivery from the outlet when opened.

Traditional 'flow and return' systems usually keep the water in the pipework heated continuously. The Smartstart® system however, automatically shuts off after one pass of the ring main. This results in significant energy savings because water is not heated unnecessarily whilst retaining the benefits of traditional flow and return systems.

The Rinnai INFINITY 26 Smartstart® is a fully integrated unit with the pump and sensors built into the box. Also available is the separate Smartstart® box which is compatible with all Rinnai continuous flow models including Solar Boosters*.



Maximum length of loop is 60 metres. Return line must be 20mm.

Please note: The diagram above shows a Typical Smartstart® Installation. All Smartstart® installations require at least one Rinnai Water Controller to be installed to activate the system. All Rinnai Water Controllers are compatible. For further information on Water Controllers please refer to page 9 of this brochure.



HANDY HINT

It is always advisable to plumb the loop towards the kitchen tap first if at all possible. This reduces waiting time at this high use outlet.

* A separate activation switch is required as Solar units are not compatible with Water Controllers.

Pipe Covers

Pipe Covers can be easily attached to most Rinnai Continuous Flow Hot Water units to:

- Cover the pipes, valves and even the external power point
- Provides a clean and smooth finish to the installation
- Two pipe covers can be joined together to hide longer pipe work under the unit as required

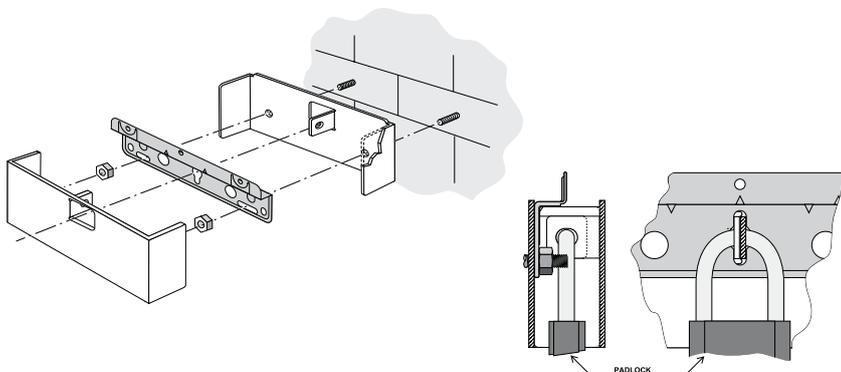
| Suits | Width | Height | Depth | Colour | Code |
|----------------------------|-------|--------|-------|---------------|-------|
| INFINITY 26Plus | 350mm | 450mm | 180mm | Star Metallic | PCD01 |
| INFINITY 16, 20 & 26 | 350mm | 400mm | 160mm | Euro White | PC11 |
| INFINITY 26 Smartsart & 32 | 470mm | 400mm | 210mm | Euro White | PCV02 |
| B16, B20 & B24 | 350mm | 450mm | 210mm | Dune | PC11D |
| INFINITY Enviro 26 & 32 | 466mm | 450mm | 274mm | Star Metallic | PCD07 |



Security Bracket

Secure your investment with Rinnai's quick and easy to install security bracket.

- Assists in the protection of any Rinnai Continuous Flow model from theft if it is located in an exposed area
- Particularly applicable to new homes during the building process
- The bracket fits over the unit wall mounting bracket covering the holes where the unit is secured to the wall
- A standard padlock and key is required (purchased separately)
- Padlock shank diameter not to exceed 6mm with an overall length greater than 50mm



HANDY HINT

For extra security fully enclosed security cage also available

Sideways Flue Diverter

Where confined or narrow spaces might normally exclude a Rinnai Continuous Flow water heater from being installed, our sideways flue diverter is available. Manufactured from durable stainless steel, the sideways flue diverter forces the flue gases sideways. This can help overcome many of the restrictions when the hot water system is installed on balconies with only one opening.

Note: Suits B24, S26, INFINITY26, INFINITY26Plus, INFINITY 26 Smartstart® and HD200e models only.

Conditions & Clearances

Full installation instructions are contained when purchasing the product however, there are a number of important conditions and clearances for the location of the Rinnai Continuous Flow unit installed with a Flue Diverter.

Please contact the Rinnai HelpLine on 1300 555 545 for further information



Rinnai Solar Hot Water Systems

Range at a glance

Close Coupled Systems

Where the Storage Cylinder and the Solar Collectors (panels) are coupled together and the installation is on the roof. A choice of an electric boost element in the cylinder or a gas booster installed usually on the side of the house completes the system.

Benefits:

- Technically very efficient, economical to install and low maintenance
- Shorter pipe length between cylinder & collectors, minimising heat loss
- No electricity required to operate pumps to recirculate the water through the collectors
- Space saving in that it eliminates the need for a storage tank at ground level – ideal for courtyard homes or small blocks
- Supplied standard in Titanium colour
- Wide range of Colorbond® colours available. Ask your Rinnai Solar consultant for selection



Split Systems

Where the Storage Cylinder and the Solar Collectors are literally split and installed separately. A choice of an electric boost element in the cylinder or an in-line gas booster which can be installed on the side of the cylinder, or remote mounted on a wall.

Benefits:

- Easy installation on roofs
- Streamlined appearance - minimal impact on the aesthetics of your roof line with only the Collectors visible
- Split Systems do not require reinforcement of the roof structure, as the weight associated with water storage is at ground level
- Split System cylinder can be installed internally or externally
- Collectors and the tank do not need to be installed at the same time – ideal during construction of new homes and major renovations



What is the Booster?

The booster is simply a backstop to make sure you always have hot water available, such as during cloudy or rainy weather or during the winter months. It also operates should you exhaust the stored water on those occasions when an extra family stays for a weekend!

Electric Boost

- Bottom element cylinders connected to off peak receive the most solar energy when hot water is used in the morning. Solar energy reheats the water and is topped up overnight by the electric booster if required
- Continuous tariff suits bottom element tanks where water is used all day and both solar and electric energy reheat the water
- Mid element tanks are offered in Prestige 250 and 315 split systems and operate so that there is always some of the tank available for solar heating

Gas Boost

- The in-line gas booster detects the temperature of the solar pre-heated water from the cylinder. Gas boosting automatically operates, only when necessary to maintain full delivery temperature
- Regardless of whether your hot water is used in the mornings or evenings, gas boosting is the most efficient, convenient and cost effective boost option



Gas boosters operate only on demand and have the additional benefit of never running out of hot water

**HANDY
HINT**

**NEW 26i Internal Model
also available**

The Rinnai Solar Hot Water Systems are separated into 2 ranges:

Rinnai Prestige

- Highest quality Stainless Steel cylinders
- Supplied with high efficiency Excelsior Solar Collectors
- Available in both Close Coupled and Split Systems
- Available in both Gas or Electric Boost

Storage Cylinders

- Long lasting commercial grade Stainless Steel construction
- Specifically designed for solar ensuring maximum heat retention
- Do not require a sacrificial anode saving on maintenance costs

Excelsior Solar Collectors

- Highly efficient all copper Collector with a selective surface maximising energy from the sun
- Full aluminium casing for corrosion resistance
- Available in both standard and frost tolerant versions (see below)

Rinnai Sunmaster

- High quality Vitreous Enamel lined steel cylinders
- Supplied with high efficiency Enduro or Equinox (FTC) Collectors
- Available as Split Systems only in both gas or electric boost

Modular System

- Components supplied separately allowing you to select your own system
- Collectors and cylinder can be installed at separate times which is ideal for working around construction timetable

Storage Cylinders

- Cost effective glass lined (Vitreous Enamel) tanks
- Tall slimline design with a smaller footprint for minimal aesthetic impact

Enduro & Enduro FTC Solar Collectors

- Highly efficient aluminium fin solar absorber to maximise efficiency
- 8 Riser tubes per collector for effective transfer of solar energy to the water
- Full aluminium casing for corrosion resistance
- Enduro FTC Collector has added feature of Frost Protection (see below)



Frost Protection

If you live in a frost prone area, it is important that you specify suitable solar collectors. In VIC, NSW and ACT for example, it is mandatory to install FTCs/E-Frost in certain areas as determined by listed post codes. For further information, please talk to your solar specialist or refer to the full warranty conditions on-line at www.rinnai.com.au

Standard Collectors

Excelsior and Enduro are not warranted for any damage due to freezing or frost

FTC Collectors

Excelsior FTC and Enduro FTC are warranted to -5°C except in VIC, NSW and ACT where warranty is determined by postcode.

E-Frost Collectors

E-Frost is warranted to -12°C except in VIC, NSW and ACT where warranty is determined by postcode.

NOTE: In Alpine areas such as Bogong, Falls Creek Mount Buffalo, Mount Buller, Mount Hotham, Mt Baw Baw, Lake Mountain, Charlotte Pass, Mt Selwyn, Mt Kosciusko, Perisher Blue and Thredbo, there is no warranty for damage caused by frost, freezing or snow cover for any Rinnai Solar Collector.

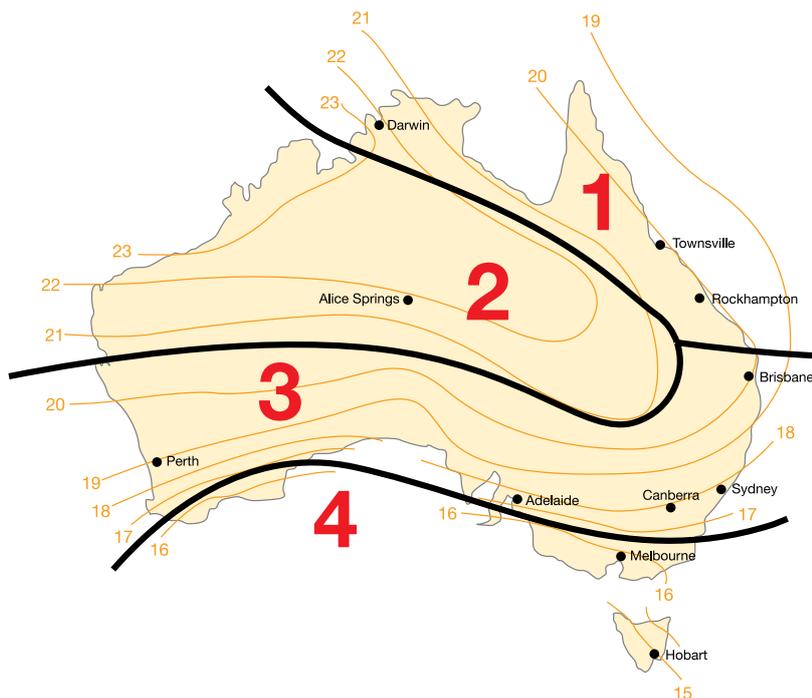
Solar Rebates

Government Rebates

The Australian Greenhouse Office awards (Small - Scale Technology Certificates) STCs according to how much energy each Rinnai Solar system saves compared with a conventional electric water heater. The Federal Government legislation states that STCs are applicable when a solar system is installed in a new home or replaces an existing hot water system.

Solar Zones

The number of STCs awarded to a particular Rinnai Solar System varies according to the amount of energy saved relative to an electric water heater installed in the same location. This is influenced by the amount of local solar gain and the local operating conditions. Darwin, for example, has more solar gain than Hobart, hence a particular system installed in Darwin will be assigned a higher number of STCs than if it were installed in Hobart. For the purposes of STC assessment, Australia is divided into 4 solar zones as shown in the map.



HANDY HINT

To assist with calculating the rebates available, Rinnai has an on-line Rebate estimator with the latest rebates and values.

See www.rinnai.com.au

SOLAR REBATE ESTIMATOR

HANDY HINT

If you are unsure where the boundaries lie between zones, Please refer to the Australian Government website www.orer.gov.au and follow the Solar Water Heater link to find a post code listing.

How to claim the STCs rebate?

Ultimately the STCs awarded to any system are traded/sold on the open market at a price which fluctuates according to supply and demand. The simplest way is to fill out the STC rebate declaration form that is supplied with each system which transfers the STCs to Rinnai. In return we will pay you the market rate which is current at that time less a small admin fee. Alternatively, you can speculate on the market value and sell them at a later stage either to us or another authorised trader.

Additional Rebates/Incentives

From time to time both the Federal and State Governments as well as some local councils offer rebates (additional to STCs) as an incentive to install Solar Hot Water systems. These are often conditional and must always be checked before purchase.

Conditions for additional rebates sometimes include:

- Gas Boosted systems only
- Regional/Rural areas only
- Concession Card holders
- Minimum STCs contribution (eg minimum 20 STCs)
- Residency restrictions
- Domestic applications only

STCs and Rinnai Solar Systems

The following tables show the awarded STCs for a selection of the most popular systems that Rinnai sell. If your particular system is not shown, please contact Rinnai on 1300 555 545 or simply refer to the on-line Rebate Estimator which has the ability to custom build a system.

| Rinnai Prestige | | | | STCs Zones Excelsior & Excelsior FTC Collectors | | | | STCs Zones E-Frost Collectors | | | | |
|------------------------|----------|---------|------------|--|----|----|----|----------------------------------|--|----|----|-------------------|
| Description | Size | Booster | Collectors | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Split System Gas | System B | 250L | S20 | 2 | 36 | 41 | 36 | 31 | 27 | 30 | 28 | 34 |
| | System C | 250L | S26 | 2 | 36 | 41 | 36 | 31 | 27 | 30 | 38 | 24 |
| | System D | 315L | S26 | 2 | 36 | 40 | 35 | 31 | 26 | 29 | 27 | 24 |
| | System E | 315L | S26 | 3 | 41 | 44 | 43 | 37 | 37 | 41 | 37 | 32 |
| Split System Electric | System F | 250L | 3.6kW | 2 | 26 | 27 | 25 | 21 | 16 | 17 | 16 | 14 ⁽¹⁾ |
| | System G | 315L | 3.6kW | 2 | 26 | 27 | 24 | 22 ⁽¹⁾ | 24 | 25 | 22 | 19 ⁽¹⁾ |
| | System H | 315L | 3.6kW | 3 | 28 | 29 | 28 | 25 | 27 | 28 | 26 | 23 |
| Close Coupled Electric | System I | 180L | 3.6kW | 1 | 19 | 20 | 19 | 17 | Not available for use with Close Coupled Systems | | | |
| | System J | 330L | 2.4kW | 2 | 40 | 43 | 39 | 34 | | | | |
| | System K | 330L | 3.6kW | 2 | 40 | 43 | 39 | 34 | | | | |
| Close Coupled Gas | System L | 180L | S20 | 1 | 24 | 28 | 24 | 21 | | | | |
| | System M | 330L | S26 | 2 | 39 | 43 | 39 | 34 | | | | |

| Rinnai Sunmaster | | | | STCs Zones Enduro & Enduro FTC Collectors | | | | STCs Zones E-Frost Collectors | | | | |
|-----------------------|----------|---------|------------|--|----|----|----|----------------------------------|----|----|----|-------------------|
| Description | Size | Booster | Collectors | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Split System Gas | System 1 | 175L | S20 | 1 | 23 | 27 | 23 | 21 | 14 | 16 | 15 | 13 |
| | System 2 | 175L | S26 | 1 | 23 | 27 | 23 | 21 | 14 | 16 | 15 | 13 |
| | System 3 | 215L | S20 | 2 | 38 | 42 | 38 | 33 | 33 | 38 | 32 | 28 |
| | System 4 | 215L | S26 | 2 | 38 | 42 | 38 | 33 | 33 | 38 | 32 | 28 |
| | System 5 | 270L | S26 | 2 | 37 | 41 | 37 | 32 | 28 | 30 | 28 | 25 |
| Split System Electric | System 6 | 200L | 3.6kW | 2 | 18 | 19 | 18 | 16 ⁽¹⁾ | 18 | 17 | 17 | 14 ⁽¹⁾ |
| | System 7 | 315L | 3.6kW | 2 | 28 | 30 | 26 | 22 | 17 | 17 | 16 | 12 ⁽¹⁾ |
| | System 8 | 315L | 3.6kW | 3 | 30 | 31 | 31 | 25 | 30 | 29 | 28 | 23 |

⁽¹⁾ Not suitable for Victorian 5 Star Homes (3 or more bedroom criteria)

How much can I get?

As can be seen from the above table, Rinnai Solar Systems are typically awarded between 12 to 44 STCs. Each STC has a \$ value that fluctuates according to market demand, which needs to be checked at the time of purchase. If a STC was valued at (say) \$37, your rebate for Rinnai systems would be anywhere between \$444 and \$1628.

In some States, additional rebates apply.

Correct Sizing

Correct Sizing is vital for optimum performance

Number of Occupants

The number of potential users (ie bedrooms) in any installation is extremely important as it directly affects the size of unit that is required. Nobody likes a cold shower so it is vital that any system is correctly sized for an application. Please talk to your Rinnai Hot Water Specialist about the best model to suit your needs.

Below we have outlined some of the considerations for various Rinnai Solar Systems:

Gas Boosted Solar

- Sizing parameter – Number of bedrooms in the home
- The storage cylinder capacity and the number of solar collectors determines the volume of available solar heated hot water
- The Gas Booster is always available as a backup, therefore hot water will never run out
- Undersized system could mean the system is relying on the gas booster more often – increasing running costs
- Insufficient Solar Collectors would also reduce the solar gain causing reliance on the gas booster

Electric Boosted Solar

- Sizing Parameter – Number of Bedrooms in the home
- The Storage Cylinder size determines the amount of hot water available regardless of whether solar generated or electric boosted
- Hot water can run out if not correctly sized
- Choice of electricity tariff affects availability of hot water:
 - Normal (peak) tariff continually heats
 - Off-peak will generally not heat until overnight
- The Prestige range offers mid element cylinders to balance the solar and electric boost used



Tips on selecting the best Rinnai System

To correctly select a Rinnai Solar System for a home, a number of lifestyle factors need to be considered.

1. What Solar Zone is applicable for the installation?

This determines the amount of solar energy that will be available and can influence the number of collectors that should be installed.

2. Is Gas available?

Natural Gas boosting is the cheapest to run and the most environmentally friendly form of boosting for a Solar System. Rinnai recommends that gas boosting should always be the first choice if available. Alternatively, both LPG & Electric boosting are also economical to run with correctly sized systems.

3. Is there limited space available?

This can determine whether space is available at ground level for a Split System storage cylinder. If limited, then a Close Coupled roof mounted system may be the most appropriate.

4. Is the area prone to frost or sub-zero temperatures?

If you live in a frost prone area, it is important that you specify suitable solar collectors. In VIC, NSW and ACT for example, it is mandatory to install FTCs/E-Frost in certain areas as determined by listed post codes. For further information, please talk to your solar specialist or refer to the full warranty conditions on-line at www.rinnai.com.au

Rinnai Solar System Sizing Tables

Vitreous Enamel Split Systems - Gas

| Solar Zone(s) | Number of Bedrooms | System Performance | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Sunmaster System |
|---------------|--------------------|--------------------|--------------------------------|------------------------|--------------|-------------------------|
| 1, 2 & 3 | 1 to 3 | Good | 175 | 1 | S20 | 1 |
| | | Best | | | S26 | 2 |
| | 2 to 3 | Good | 175 | 1 | S26 | 2 |
| | | Best | 215 | 2 | S20 | 3 |
| | 3 to 4 | Good | 215 | 2 | S20 | 3 |
| | | Best | | | S26 | 4 |
| 3+ | Good | 215 | 2 | S26 | 4 | |
| | Best | 270 | | | 5 | |
| 4 | 1 to 3 | Good | 175 | 1 | S26 | 2 |
| | | Best | 215 | 2 | S20 | 3 |
| | 2 to 3 | Good | 215 | 2 | S20 | 3 |
| | | Best | | | S26 | 4 |
| | 3 to 4 | Good | 215 | 2 | S26 | 4 |
| | | Best | 270 | | | 5 |
| | 3+ | Best | 270 | 2 | S26 | 5 |

Vitreous Enamel Split Systems - Electric

| Solar Zone(s) | Number of Bedrooms | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Sunmaster System |
|---------------|--------------------|--------------------------------|------------------------|--------------|-------------------------|
| 1, 2 & 3 | 1 to 3 | 200 | 2 | 3.6 | 6 |
| | 3 to 4 | 315 | 2 | 3.6 | 7 |
| | 3+ | 315 | 3 | 3.6 | 8 |
| 4 | 1 to 2 | 200 | 2 | 3.6 | 6 |
| | 2 to 3 | 315 | 2 | 3.6 | 7 |
| | 3+ | 315 | 3 | 3.6 | 8 |

Stainless Steel Split Systems - Gas

| Solar Zone(s) | Number of Bedrooms | System Performance | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Prestige System |
|---------------|--------------------|--------------------|--------------------------------|------------------------|--------------|------------------------|
| 1, 2 & 3 | 1 to 3 | Best | 250 | 2 | S20 | B |
| | | Good | | | S20 | B |
| | 2 to 3 | Best | 250 | 2 | S26 | C |
| | | Good | 250 | | S26 | C |
| | 3 to 4 | Best | 315 | 2 | S26 | D |
| | | Good | 315 | | | D |
| 3+ | Good | 315 | 2 | S26 | E | |
| | Best | | 3 | | E | |
| 4 | 1 to 3 | Good | 250 | 2 | S20 | B |
| | | Best | | | S26 | C |
| | 2 to 3 | Good | 250 | 2 | S26 | C |
| | | Best | 315 | | | D |
| | 3+ | Good | 315 | 2 | S26 | D |
| | | Best | | 3 | | E |

| Stainless Steel Split Systems - Electric | | | | | |
|--|--------------------|--------------------------------|------------------------|--------------|------------------------|
| Solar Zone(s) | Number of Bedrooms | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Prestige System |
| 1, 2 & 3 | 1 to 3 | 250 | 2 | 3.6kW | F |
| | 3 to 4 | 315 | 2 | 3.6kW | G |
| | 3+ | 315 | 3 | 3.6kW | H |
| 4 | 1 to 2 | 250 | 2 | 3.6kW | F |
| | 2 to 3 | 315 | 2 | 3.6kW | G |
| | 3+ | 315 | 3 | 3.6kW | H |

| Stainless Steel Close Coupled - Gas | | | | | |
|-------------------------------------|--------------------|--------------------------------|------------------------|--------------|------------------------|
| Solar Zone(s) | Number of Bedrooms | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Prestige System |
| 1, 2 & 3 | 1 to 3 | 180 | 1 | S20 | L |
| | 3+ | 330 | 2 | S26 | M |
| 4 | 1 to 2 | 180 | 1 | S20 | L |
| | 2 to 4 | 330 | 2 | S26 | M |

| Stainless Steel Close Coupled - Electric | | | | | |
|--|--------------------|--------------------------------|------------------------|--------------|------------------------|
| Solar Zone(s) | Number of Bedrooms | Tank Storage Capacity (Litres) | No of Solar Collectors | Booster Size | Rinnai Prestige System |
| 1, 2 & 3 | 1 to 3 | 180 | 1 | 3.6kW | I |
| | 3 to 4 | 330 | 2 | 2.4kW | J |
| | 3+ | 330 | 2 | 3.6kW | K |
| 4 | 1 to 2 | 180 | 1 | 3.6kW | I |
| | 2 to 3 | 330 | 2 | 2.4kW | J |
| | 3+ | 330 | 2 | 3.6kW | K |



Ordering Sunmaster Solar

Rinnai Sunmaster Solar systems are ordered as separate components as shown in the below table. This is particularly suitable for installation in new homes and major renovations as it allows for supply of the various components at different stages of completion. Alternatively, all components can be ordered for a single delivery for existing homes & replacements.

| Gas | System 1 | | System 2 | | System 3 | | System 4 | | System 5 | |
|----------------------------|------------------------------|-----|-------------------------------|-----|-------------------------------|-----|-------------------------------|-----|-------------------------------|-----|
| | Gas 175L, S20 1 Collector | | Gas 175L, S26 1 Collectors | | Gas 215L, S20 2 Collectors | | Gas 215L, S26 2 Collectors | | Gas 270L, S26 2 Collectors | |
| Components | Order Code | Qty | Order Code | Qty | Order Code | Qty | Order Code | Qty | Order Code | Qty |
| Storage Cylinder | SG175 | 1 | SG175 | 1 | SG215 | 1 | SG215 | 1 | SG270 | 1 |
| Solar Collectors (Std) | R18801740* | 1 | R18801740* | 1 | R18801740* | 2 | R18801740* | 2 | R18801740* | 2 |
| Collector Installation Kit | R33202739 | 1 | R33202739 | 1 | R33202740 | 1 | R33202740 | 1 | R33202740 | 1 |
| Pump Kit | SGPKIT2 | 1 | SGPKIT2 | 1 | SGPKIT2 | 1 | SGPKIT2 | 1 | SGPKIT3 | 1 |
| Gas Booster | S20# | 1 | S26# | 1 | S20# | 1 | S26# | 1 | S26# | 1 |

| Electric | System 6 | | System 7 | | System 8 | |
|----------------------------|---------------------------------------|-----|--------------------------------------|-----|--------------------------------------|-----|
| | Electric 200L, 2 Collectors, 3.6kW | | Electric 315L, 2 Collector, 3.6kW | | Electric 315L, 3 Collector, 3.6kW | |
| Components | Order Code | Qty | Order Code | Qty | Order Code | Qty |
| Storage Cylinder | SE200S36 | 1 | SE315S36 | 1 | SE315S36 | 1 |
| Solar Collectors (Std) | R18801740* | 2 | R18801740* | 2 | R18801740* | 3 |
| Collector Installation Kit | R33202740 | 1 | R33202740 | 1 | R33202741 | 1 |
| Pump Kit | USKIT1 | 1 | USKIT1 | 1 | USKIT1 | 1 |

* Collector shown is standard Enduro (Non Frost Tolerant).

Please substitute the following codes for Frost Tolerant collectors:
Enduro FTC Collector - R18801741
E-Frost Collector - 18801743

Nominate N (Natural Gas) or L (LPG) after the code to specify gas type

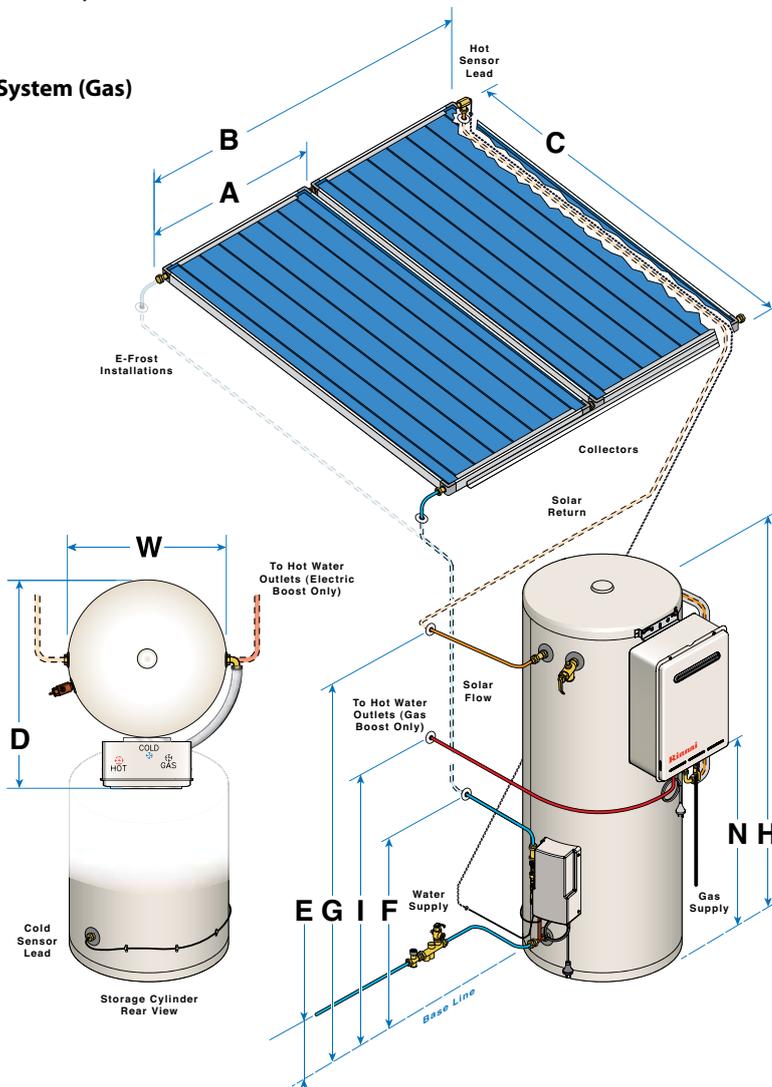
Solar Rough in Diagram

Sunmaster Split Systems

| Sunmaster Split Systems- Enamel Tanks | | 175 Lt Gas Boost 160 Lt Electric Boost | 215 Lt Gas Boost 200 Lt Electric Boost | 270Lt Gas Boost | 315Lt Electric Boost |
|---------------------------------------|---------------------------------|---|---|--------------------|-------------------------|
| A | Collector Width | 1025 | 1025 | 1025 | 1025 |
| B | Width of two Collectors | 2130 | 2130 | 2130 | 2130 |
| C | Length of Solar Collectors | 1940 | 1940 | 1940 | 1940 |
| H | Height of Cylinder | 1530 | 1825 | 1265 | 1510 |
| D | Depth of Cylinder with Booster | 710* | 710* | 880 | N/A |
| W | Cylinder Diameter | 515 | 515 | 685 | 685 |
| E | Left Hand Side Cold Water Inlet | 235 | 235 | 260 | 260 |
| F | Cold Water Flow to Collector | 750 | 750 | 775 | 775 |
| G/H | Hot Water Return from Collector | 1310 | 1605 | 985 | 1200 |
| I | Hot Out (Gas Boost) | 885 | 1180 | 620 | N/A |
| K | Hot Out (Electric Boost) | 1310 | 1605 | N/A | 1200 |
| L | Height of Gas Boost | 530* | 530* | 530 | N/A |
| M | Width of Gas Boost | 350* | 350* | 350 | N/A |
| N | Right Hand Side Gas Supply | 960 | 1255 | 695 | N/A |

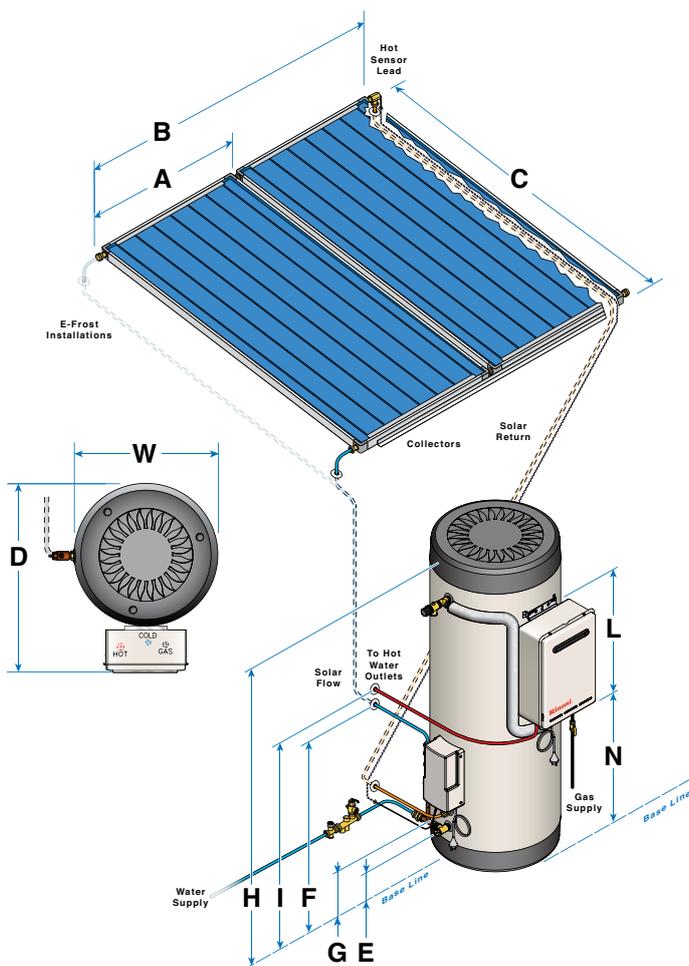
* Gas boosted systems only

Sunmaster Split System (Gas)

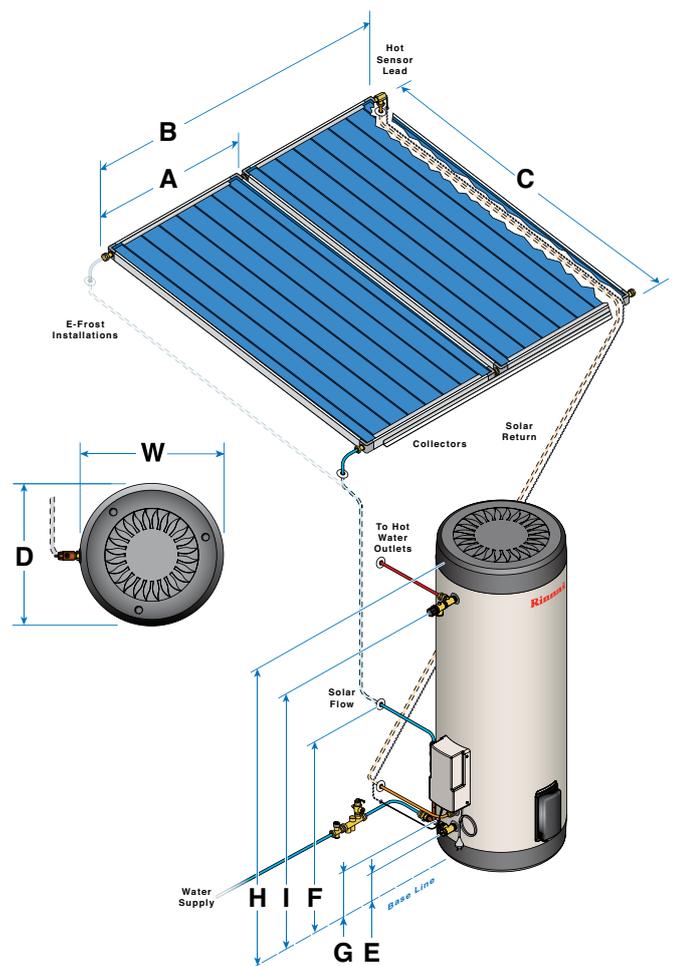


Prestige Split Systems

| Split Systems Stainless Steel | | Electric Boost | | | Gas Boost | |
|-------------------------------|--|----------------|--------|--------|-----------|--------|
| | | 160 Lt | 250 Lt | 315 Lt | 250 Lt | 315 Lt |
| A | Collector Width | 1025 | | | 1025 | |
| B | Width of two Collectors | 2174 | | | 2174 | |
| C | Length of Solar Collector | 1964 | | | 1964 | |
| H | Height of Cylinder | 1205 | 1700 | 2090 | 1700 | 2090 |
| D | Depth of Cylinder with Booster | N/A | | | 795 | |
| W | Cylinder Diameter | 600 | | | 600 | |
| E | Cold Water inlet | 210 | | | 210 | |
| F | Cold Water Flow to Collector | 725 | | | 725 | |
| G | Hot Water Return from Collector | 300 | | | 300 | |
| I | Hot Water Flow To House (From Gas Boost) | N/A | | | 845 | 1235 |
| K | Hot out | 995 | 1490 | 1880 | N/A | |
| L | Height of Gas Boost | N/A | | | 530 | |
| M | Width of Gas Boost | | | | 350 | |
| N | Right Hand Side Gas Supply | | | | 870 | 1260 |



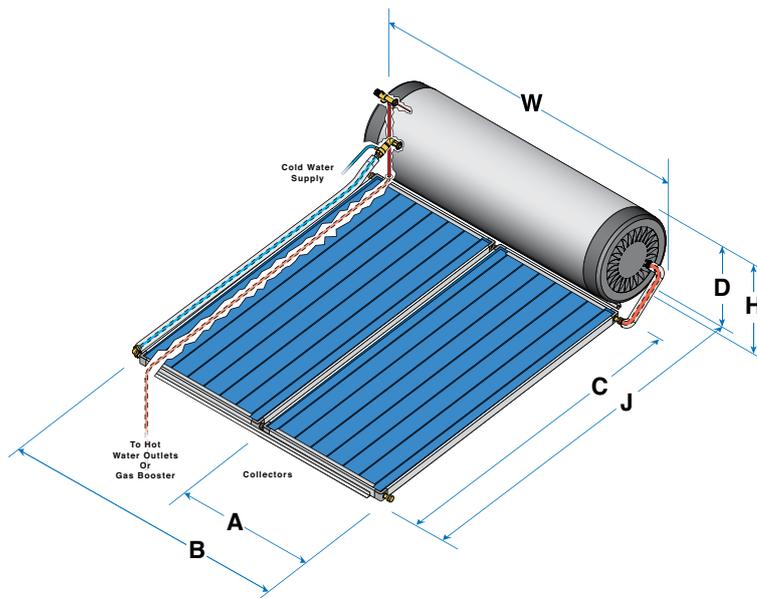
Prestige Split System (Gas)



Prestige Split System (Electric)

Prestige Close Coupled Systems

| Close Coupled Stainless Steel | | Gas & Electric | |
|----------------------------------|--------------------------------|----------------|--------|
| | | 180 Lt | 330 Lt |
| A | Collector Width | 1047 | |
| B | Width of two Collectors | 2174 | |
| C | Length of Solar Collector | 1964 | |
| J | Overall Length of System | 2560 | |
| H | Height of Cylinder (installed) | 610 | |
| D | Diameter | 600 | |
| W | Cylinder Length / Width | 1200 | 2090 |

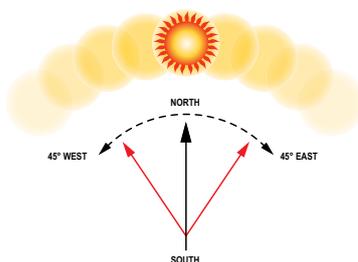
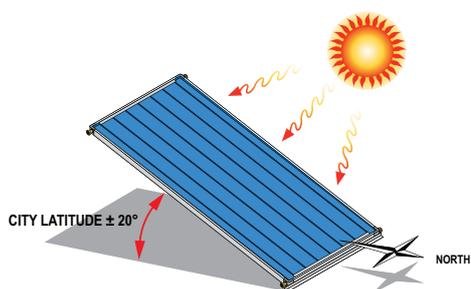


Solar Collector Dimensions

| Characteristics | | Enduro | Enduro FTC | Excelsior | Excelsior Frost Tolerant | E-Frost |
|---|--------------------|------------------|-------------|-------------|--------------------------|----------------------|
| Code | | SP200A | SP200A FTC | EXT | EXT FTC | E-Frost |
| Type | | Flat Plate | | | | Flat Plate/Heat Pipe |
| Construction | Waterways | Copper | | | | |
| | Absorber | Aluminium | Aluminium | Copper | Copper | Aluminium |
| | Selective Surfaces | High Performance | | | | |
| Maximum Operating Pressure | | 850 kPa | | | | |
| Casing Material | | Aluminium | | | | |
| Weight empty | | 33kg | 36kg | 35kg | 38kg | 35kg |
| Weight full | | 34.3kg | 37.3kg | 36.5kg | 39.5kg | 36kg |
| Volume of Water | | 1.3 litres | 1.3 litres | 1.5 litres | 1.5 litres | 1 litres |
| Potential Solar Output at PTR relief conditions | | 1.25kW | 1.25kW | 1.25kW | 1.25kW | 1.25kW |
| Approx Roof Space Required L X W (mm) | 1 Collector | 1940 x 1025 | 1940 x 1025 | 1964 x 1047 | 1964 x 1047 | 1940 x 1025 |
| | 2 Collector | 1940 x 2130 | 1940 x 2130 | 1964 x 2174 | 1964 x 2174 | 1940 x 2130 |
| | 3 Collector | 1940 x 3235 | 1940 x 3235 | 1964 x 3301 | 1964 x 3301 | 1940 x 3235 |

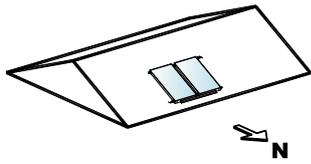
Solar Panel Installation Direction

The solar collectors should face as close as possible to North.



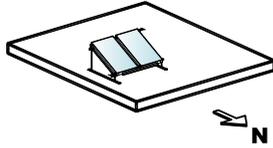
| Latitudes of Australian Cities | |
|--------------------------------|----------|
| City | Latitude |
| Adelaide | 35°S |
| Alice Springs | 24°S |
| Darwin | 12°S |
| Brisbane | 27°S |
| Canberra | 35°S |
| Hobart | 42°S |
| Melbourne | 38°S |
| Perth | 32°S |
| Sydney | 34°S |

Solar Collector Installation



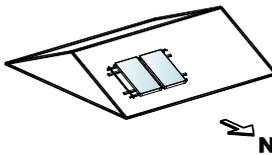
Standard "Pitch Roof" installation – Split System Collectors

The below sketches show the standard frames supplied for a normal angled roof installation. These components are supplied with the installation kits.



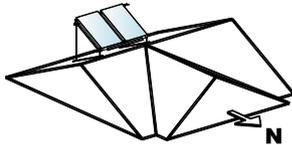
Flat Roof Installations

The below sketch shows the frame required for all flat roof installations. It is ordered in addition to the appropriate installation kit and vary depending on the type of system installed.



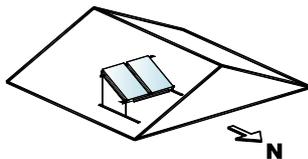
Cyclone Frame Installations

For Cyclone prone areas it is often mandatory but in any event, it is highly recommended to use a cyclone frame. These have a different configuration to the standard frames and are made in much stronger materials.



Reverse & Side Pitch Installations

In addition to the above frames, you can also order Reverse & Side Pitch adaptor kits that suit both Close Coupled & Split Systems. These are ordered in addition to the applicable Flat Roof Frame.



Rinnai

HOTFLO Hot Water Storage Systems

Range at a glance

Mains Pressure Systems

They are simply a storage cylinder that holds water at a pre-set temperature with the use of thermostatic control. As hot water is used, it is replaced with cold water which is then heated. Hot Water delivery is at mains pressure or the maximum allowable pressure should the home have a pressure limiting device installed.

Rinnai HOTFLO Range

Our quality HOTFLO range of electric and gas tanks are available in various storage capacities ranging from a compact 25 Litre right up to the large 400 Litre model. We also have a complete range of element sizes minimising changeover costs.

- Economical Vitreous Enamel lined steel tank with a 7 year warranty (5 year warranty for 25 and 50 litre tanks)
- Inbuilt anode protection - extends the life of the tank
- Dual handed - allows increased flexibility of installation
- Flexibility - suitable for internal (electric only) and external use
- Foam Insulation exceeds MEPS* (Minimum Energy Performance Standard), reducing heat loss and running costs
- Thermostatically controlled with safety temperature shut off for added safety and peace of mind



System Selection

Selecting the correct Electric Storage system

Step 1 - Tariff

- Determine which tariff that is going to be used
- If using both Peak & Off-peak use the sizing guide for Off-peak

Step 2 - Climate

- Refer to the Climate Map on page 7 to reference whether the installation is in a warm or cool climate

Step 3 - Number of persons

- Determine the number of persons living in the home
- Also consider additional demand if it is a larger home with spare bedrooms

| Tank Size | No. of persons - Peak Electric (Continuous Tariff) | | No. of persons - Off-peak Electric | |
|------------|--|--------------|------------------------------------|-----------------|
| | Warm Climate | Cool Climate | Warm Climate | Cool Climate |
| 50 Litres | 1 | 1 | Not Recommended | Not Recommended |
| 80 Litres | 2 to 3 | 1 to 2 | 1 to 2 | Not Recommended |
| 125 Litres | 3 to 4 | 2 to 3 | 2 to 3 | 1 to 2 |
| 160 Litres | 4 to 5 | 3 to 4 | 3 to 4 | 2 to 3 |
| 200 Litres | 6 to 7 | 4 to 5 | 4 to 5 | 3 to 4 |
| 250 Litres | 7 to 8 | 5 to 6 | 5 to 6 | 4 to 5 |
| 315 Litres | 8 to 9 | 6 to 7 | 6 to 7 | 5 to 6 |
| 400 Litres | 10+ | 8 + | 8+ | 6+ |

Electric Storage Recovery Times

The recovery times for all storage tanks is based on 3 factors:

1. The volume of water
2. The size of the electric element
3. The set temperature

| Element size | Litres per hour heated by 50°C |
|---------------------|--------------------------------|
| 1.2kW element heats | 20.6 litres |
| 2.4kW element heats | 41.2 litres |
| 3.6kW element heats | 61.9 litres |
| 4.8kW element heats | 82.5 litres |

Selecting the correct Gas Storage system

Step 1 - Unit of measure

- Unlike electric hot water systems which are sized on the basis of total volume, Gas storage is calculated via First Hour Capacity (FHC)
- FHC is based on tank volume and heat-up rate to calculate the 'usable' hot water in litres

Step 2 - Climate

- Refer to the Climate Map on page 7 to reference whether the installation is in a warm or cool climate

Step 3 - Number of Persons

- Determine the number of persons living in the home
- Also consider additional demand if it is a larger home with spare bedrooms
- Remember, that the system only needs one hour to recover

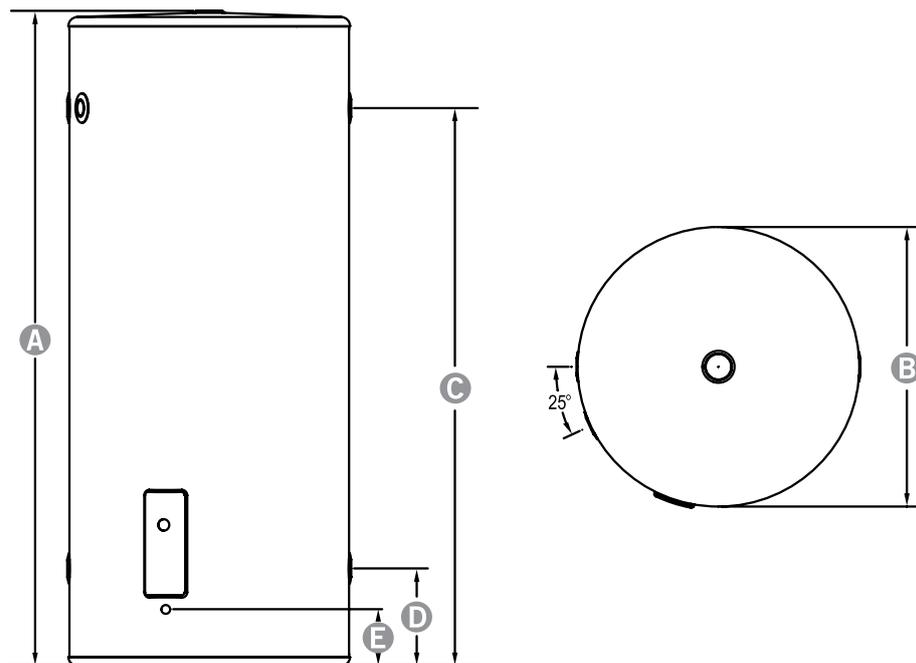
| Tank Size | FHC | Warm Climate | Cool Climate |
|------------|-----|--------------|--------------|
| 135 Litres | 270 | 1 - 4 | 1 - 5 |
| 170 Litres | 305 | 1 - 5 | 1 - 6 |

Specifications

HOTFLO Electric Storage

Note: All Rinnai HOTFLO electric storage water heaters are single element.

| Specifications | Model | RIN25 | RIN50 | RIN80 | RIN125 | RIN160 | RIN250 | RIN315 | RIN400 | |
|------------------------------------|--|-------|-------|-------|----------------|--------|--------|--------|--------|------|
| Tank Capacity (L) | | 31 | 53 | 90 | 128 | 164 | 259 | 324 | 416 | |
| Hot Water Delivery (L) | | 25 | 50 | 80 | 125 | 160 | 250 | 315 | 400 | |
| Weight Empty (Kg) | | 17 | 22 | 40 | 48 | 59 | 88 | 103 | 114 | |
| Heating Elements Available (kW) | | - | - | - | - | - | - | - | - | |
| | | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | - | - | - | |
| | | - | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |
| | | - | - | - | - | 4.8 | - | - | - | |
| Dimensions (mm) | Total Height | A | 452 | 694 | 925 | 1062 | 1317 | 1444 | 1754 | 1703 |
| | Total Width | B | 405 | 405 | 490 | 532 | 532 | 617 | 617 | 705 |
| | Inlet Height | C | 247 | 524 | 175 | 206 | 206 | 215 | 215 | 240 |
| | Outlet Height | D | 153 | 158 | 750 | 857 | 1112 | 1231 | 1541 | 1466 |
| | Electrical Entry | E | 67 | 67 | 80 | 116 | 116 | 125 | 125 | 150 |
| Max Supply Pressure | Relief Valve Setting (kPa) | | | 1000 | | | | 850 | | |
| | Expansion Control Valve Setting | | | 850 | | | | 700 | | |
| | With Expansion Control Valve | | | 680 | | | | 550 | | |
| | Without Expansion Control Valve | | | 800 | | | | 680 | | |
| | When these pressures are exceeded, install a Pressure Limiting Valve (PLV) | | | | | | | - | | |
| Water Connections | | | | | RP ¾ 20mm | | | | | |
| Ingress Protection Rating (AS1939) | | | | | IPX4 | | | | | |
| Power Supply | | | | | AC 240 V 50 Hz | | | | | |



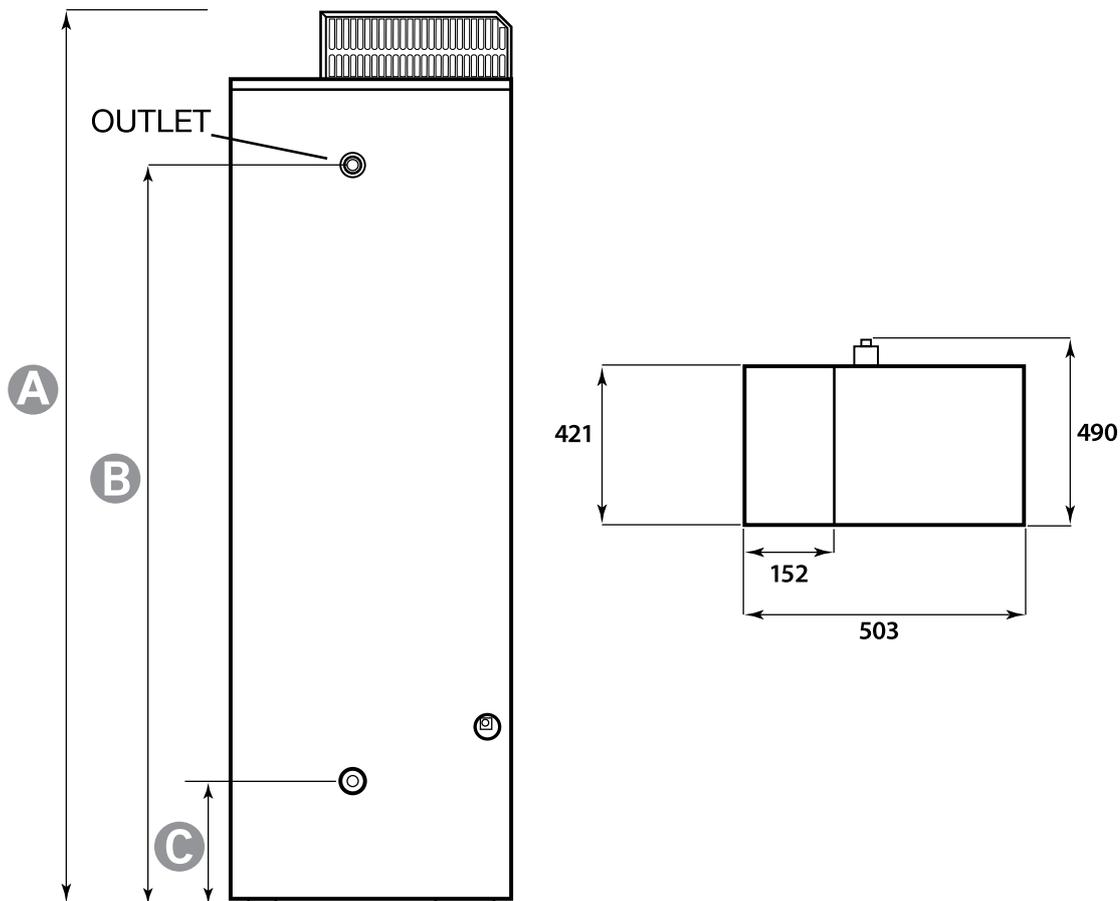
HOTFLO Gas Storage

| Model | RIN135 | RIN170 |
|-----------------------------------|--------|--------|
| Tank Capacity (L) | 135 | 170 |
| Weight Empty (Kg) | 72 | 86 |
| Relief Valve Pressure (kPa) | 1400 | 1400 |
| Water Capacity in First Hour* (L) | 270 | 305 |
| ECV Pressure (kPa) | 1200 | 1200 |
| Max Supply Pressure without ECV | 1120 | 1120 |
| Max Supply Pressure with ECV | 960 | 960 |

*Temperature rise at 45°C and inlet temperature of 15°C using Natural Gas

Dimensions ⁽²⁾

| Dimensions | | RIN135 | RIN170 |
|------------------|---|--------|--------|
| Height | A | 1601 | 1896 |
| Hot Water Outlet | B | 1327 | 1620 |
| Cold Water Inlet | C | 221 | 221 |



Commercial Hot Water Systems

The Rinnai Heavy Duty (HD) water heaters are suitable for single installation, Manifold Pack or Demand Duo installations. Each Commercial application require different quantities of hot water, therefore if you are unsure about sizing, please contact our National Commercial Project Division on 1300 555 545 for assistance.

Heavy Duty Units:

Rinnai Heavy Duty (HD) water heaters are high efficiency gas Continuous Flow units, available in three models: HD200e, HD250e and HD200i. Refer to page 13 of this brochure for specifications or the Rinnai Commercial Hot Water Reference Guide available to download online at rinnai.com.au

Applications include:

- Cafés
- Child Care Centres
- Hair Dressing Salons
- Small Amenities Blocks
- Butchers
- Factories
- Laundromats with domestic style top loader machines



Heavy Duty

Rinnai Manifold Packs

A Rinnai Manifold Pack consists of 2 to 6 Heavy Duty continuous flow water heaters plumbed together to allow higher flow rates than a single unit can provide.



Manifold Pack

Rinnai Demand Duo Systems

Rinnai Demand Duo is the combination of between 1 to 6 gas Continuous Flow water heaters with single or multiple storage cylinders. The storage cylinder allows a short period of high hot water flow rate, greater than the continuous flow rate of the HD water heater(s). i.e 'peak demand' applications such as:

- Hotels and Motels
- Apartment blocks and Student Accommodation
- Shower Blocks, Caravan Parks, Sports Clubs etc
- Commercial Kitchens
- Commercial Laundries



Demand Duo

Rinnai Commercial Solar Systems

Rinnai Commercial Solar hot water systems provide solar pre-heated water to the Rinnai Commercial gas hot water systems such as the Manifold Pack or Demand Duo system. The system is selected according to the daily hot water demand for the application, the required solar contribution, and what solar zone the system is located in.

Rinnai Common Flue System

Rinnai internal commercial hot water systems can now be flued into a single common natural draft flue. This allows both internal Demand Duo and internal Manifold Packs systems to be installed in existing buildings as well as new applications.

Note: Combustion air is drawn from the plant room.

Rinnai Warm Water Valve

The Rinnai Demand Duo Warm Water Valve is a system that is designed to accept 60°C or more incoming hot water from a storage system and deliver a reduced constant outlet temperature across a full range of flow rates.

Applications include:

- Apartment buildings and hotels
- Hospitals and nursing homes

Approved to AS4032.1 as a Thermostatic Mixing Valve and AS4032.2 as a Tempering Valve. Also approved as a warm water system by NSW Health.

For further information or on site assistance please contact our National Commercial Project Division on 1300 555 545.



Solar



Common Flue



Warm Water Valve

Rinnai Service

Need help with an installation?

In most situations Rinnai retailers can assist with the installation of our appliances. Should this not be the case, Rinnai has an installation service available direct to the end-user. Any installation of a Rinnai appliance is a specialist process and requires trained professional installers to ensure safe and efficient operation of the appliance. This is particularly relevant for connection to gas, electrical changeovers and the installation of Solar Collectors. Our Rinnai installers are not only very familiar with our products, but are fully insured and OH&S compliant. Be confident in your installation by employing Rinnai Service.

For further information, please call 1300 555 545

Warranty

Continuous Flow Systems

| Continuous Flow Water Heaters ⁽³⁾ | | All INFINITY Models | | Builders Range Models | | Heavy Duty (HD) Models | | Smart-Start® Water Saver | Water Controllers | Accessories ⁽⁴⁾ |
|--|--------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|-------------------|----------------------------|
| | | Heat Exchanger | All other components | Heat Exchanger | All other components | Heat Exchanger | All other components | | | |
| Domestic Use | Parts | 12 Years | 3 Years ⁽²⁾ | 10 Years | 3 Years ⁽²⁾ | 12 Years | 3 Years ⁽²⁾ | 3 Years | 3 Years | 1 Year |
| | Labour | 3 Years ⁽²⁾ | 3 Years | 3 Years | 1 Year |
| Commercial Use | Parts | 1 Year | 1 Year | 1 Year | 1 Year | 5 Years ⁽¹⁾ | 1 Year | 1 Year | 1 Year | 1 Year |
| | Labour | 1 Year | 1 Year | 1 Year |

(1) One (1) year warranty on Heat Exchanger when pre-set to 85 or 95°C. (2) 5 Years if two or more controllers are installed in domestic applications. (3) The models in this table are unsuitable for solar hot water applications. Any failure or service issue when installed in a solar hot water application is not covered by warranty. Exceptions to this are Heavy Duty models for Rinnai Demand Duo commercial applications using solar boosting and models in this table converted by Rinnai specifically for solar applications and for use in Rinnai solar hot water systems. See Conditions and Exclusions for more details. (4) Accessories include pipe covers, recess boxes, security brackets and flue diverters and coaxial flueing.

Solar Systems

| Solar Hot Water Systems | | Solar Compatible Continuous Flow Water Heaters - models S20 and S26 and other models converted by Rinnai for Solar applications ⁽¹⁾⁽³⁾ | | Storage Cylinders | | Solar Collectors | Components ⁽²⁾ |
|-------------------------|--------|---|------------------------|---|--------------------------|----------------------------------|---------------------------|
| | | Heat Exchanger | All other components | Vitreous Enamel (Glass) Lined Sunmaster Range | Stainless Steel Prestige | Enduro Equinox Excelsior E-Frost | |
| Domestic Use | Parts | 10 Years | 3 Years ⁽⁴⁾ | 5 Years | 10 Years | 7 Years | 1 Year ⁽⁴⁾⁽⁵⁾ |
| | Labour | 3 Years | 3 Years | 3 Years | 3 Years | 1 Year | 1 Year |
| Commercial Use | Parts | 5 Years | 1 Year | 1 Year | 5 Years | 5 years | 1 Year |
| | Labour | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year |

(1) The continuous flow models in this column are suitable only for solar hot water applications. Any failure or service issue when installed in a non solar hot water application is not covered by warranty. (2) Components include pumps, system controllers, sensors, thermostats, valves, electric heating elements and anodes where applicable. (3) Rinnai Infinity 26 Internal, HD200i, HD200e and HD250e models can be converted for solar applications by Rinnai by order request. (4) For Victorian installations only - 5 Year warranty on the solar circulating pump, solar controller and components within the continuous flow water heater in order to comply with State legislation. (5) For Queensland installations only - 2 Year warranty on the solar circulating pump in order to comply with State Government legislation where applicable.

Commercial and Other Hot Water Systems

| Commercial and Electric Hot Water Systems | | Rinnai Demand Duo and Rinnai Manifold Pack systems | | | | | Electric Hot Water Electric/Gas | | | |
|---|--------|--|----------------------|---------------------------|---------------------------|--|---------------------------------|---------------------------|------------------------------|---------------------------|
| | | Continuous Flow Water Heaters used as gas boosters in Demand Duo and Manifold Pack Systems - Heavy Duty (HD) Models ⁽¹⁾ | | S/Steel storage cylinders | Components ⁽³⁾ | Commercial Common Flue and Warm Water Systems ⁽²⁾ | Rinnai Roofmaster | | Rinnai HOTFLO Electric & Gas | |
| | | Heat Exchanger | All other components | | | | Cylinder | Components ⁽³⁾ | Cylinder | Components ⁽³⁾ |
| Domestic Use | Parts | 12 Years | 3 Years | 10 Years | 1 Year | NA | 7 Years | 1 Year | 7 Years ⁽⁴⁾ | 1 Year |
| | Labour | 3 Years | 3 Years | 3 Years | 1 Year | NA | 1 Year | 1 Year | 1 Years | 1 Year |
| Commercial Use | Parts | 5 Years | 1 Year | 5 Years | 1 Year | 3 Years | 1 Year | 1 Year | 1 Year | 1 Year |
| | Labour | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year |

(1) One (1) year warranty on Heat Exchanger when pre-set to 85 or 95°C. (2) Excludes UV system. UV system warranty is covered by the UV system manufacturer (3) Components include pumps, system controllers, sensors, thermostats, valves, electric heating elements and anodes where applicable. (4) 25 and 50 Litre cylinders have 5 year warranty.

Definitions

Domestic Use:

The warranty periods that are allocated under "Domestic Use" are based on hot water usage patterns of a typical family.

Rinnai "Domestic Use warranty periods apply to:

1. Water heaters installed to supply heated water to domestic dwellings.
2. Water heaters installed to supply heated water to commercial installations such as motel units, hotel rooms, caravans, mobile homes, nursing homes, retirement village complexes and other care institutions and like accommodation provided that maximum delivery temperatures for gas boosted models do not exceed 75°C and do not exceed 70°C for electrically boosted models and that the hot water systems are not installed as component(s) of centralised bulk hot water systems and the installation does not incorporate building flow and return systems.

Commercial Use:

The warranty periods that are allocated under "Commercial Use" are for applications other than domestic use and include premises such as commercial and industrial buildings, cafes, caravan parks and sporting complexes, but not limited to these.

"Commercial Use" warranty applies to:

1. Water heater(s) supplying central shower blocks.
2. Water heater(s) supplying kitchens used for the bulk preparation of food.
3. Water heater(s) delivery temperatures pre-set to exceed 70°C
4. Water heater(s) used in commercial or industrial heating processes.
5. Water heater(s) used in hydronic space heating installations.
6. Any application that uses Rinnai water heater(s) in conjunction with building flow and return systems.
7. Water heater(s) installed as component(s) of centralised bulk hot water system(s).

Full warranty conditions including exclusions, water purity, solar frost tolerant warranty and postcode conditions are available with the appliances and can be viewed on-line at www.rinnai.com.au.

Dimensions are subject to production tolerances and may vary slightly from those given.

Rinnai Australia Pty. Ltd. Reserves the right to make modifications and change specifications without notice.

We will however endeavour to communicate any major changes well before implementation.



All Greenhouse Gas emissions associated with producing this printed product have been offset.

This product is 100% Carbon Neutral



The Rinnai logo consists of the word "Rinnai" in a white, bold, serif font, centered within a solid red rectangular background.

Rinnai

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www.rinnai.com.au

or call 1300 555 545