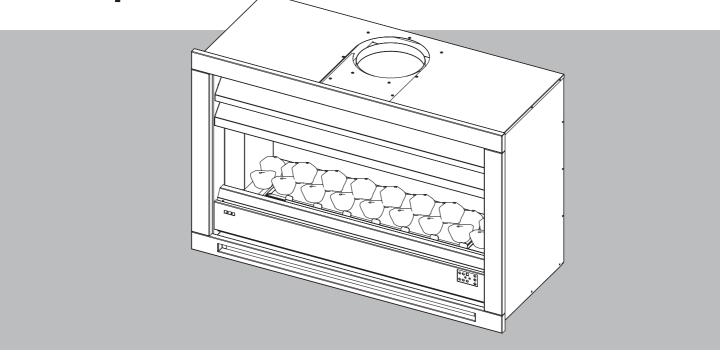
Rinnai

CONSTELLATION Models: 800 / 1000

Decorative Flame Fire Operation / Installation Manual



Models available: Black (CONB) & Stainless Steel (CONSS)

Primarily a decorative effect appliance. Not certified as a space heater.

This appliance shall be installed in accordance with:

- · Manufacturer's Installation Instructions
- Current AS/NZS 3000, AS/NZS 3500 & AS 5601
- Local Regulations and Municipal Building Codes

This appliance must be installed, serviced and removed by an Authorised Person.







REGULATORY INFORMATION

This appliance must be installed by an Authorised person. The installation of gas and electricity must conform to local regulations.

The installation must also comply with the instructions supplied by Rinnai.

Your Constellation Flame Fire has been approved by the Australian Gas Association. The A.G.A. Approval Number is shown on Data plate.

Please keep this instruction booklet in a safe place for future reference.

WARRANTY

As a purchaser of a high quality Rinnai product, we provide you with the following warranty on your new Decorative Flame Fire.

	Free Labour Period	Free Parts Period
FANS	1 Year	2 Years
COMBUSTION CHAMBER	1 Year	10 Years Pro-Rata*
ALL OTHER PARTS	1 Year	1 Year

^{*} Combustion chamber full replacement parts costs in the first year, reducing 10% per year thereafter.

The benefits conferred by this guarantee are in addition to all other rights and remedies in respect of the product which you have under the Trade Practices Act and other State and Territory Laws.

The appliance must be installed correctly, and the installation must conform to all local regulations.

The installation must also comply with the instructions supplied by Rinnai.

The appliance must be installed and serviced by an Authorised Person.

No parts or functions should be modified or permanently removed from this appliance.

Please note: General cleaning, maintenance and wear and tear are not necessarily covered by the warranty. Service calls of this nature may be chargeable.

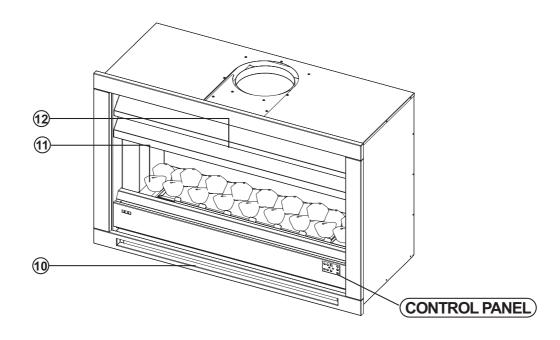
For future reference please take a	moment to complete the following information:
Your Retailer:	
Name:	
Telephone No.	
Date of Purchase:	11

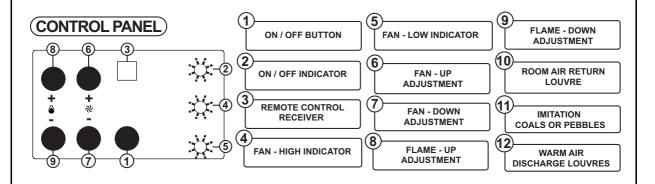
CUSTOMER MANUAL

REGULATORY INFORMATIONii
WARRANTYii
ABOUT YOUR NEW CONSTELLATION4
GENERAL DESIGN LAYOUT4
FEATURES4
REMOTE CONTROL5
SAFETY POINTS6
OPERATION9
OPERATION USING THE CONTROL PANEL9
TURNING THE CONSTELLATION 'ON'
TURNING THE CONSTELLATION 'OFF'
ADJUSTING THE FLAME9
ADJUSTING THE FAN9
ADJUGITING THE FAIN
OPERATION USING THE REMOTE CONTROL
OPERATION USING THE REMOTE CONTROL9
OPERATION USING THE REMOTE CONTROL
OPERATION USING THE REMOTE CONTROL 9 USING THE TIMER 9 CARE AND MAINTENANCE 10 CONSTELLATION FLAME FIRE OPERATION CHARACTERISTICS 10 TROUBLE SHOOTING CHECK LIST 10 CLEANING 10

ABOUT YOUR NEW CONSTELLATION

GENERAL DESIGN LAYOUT





FEATURES

Push Button Operation:

One touch of the ON/OFF button operates the Constellation Flame Fire.

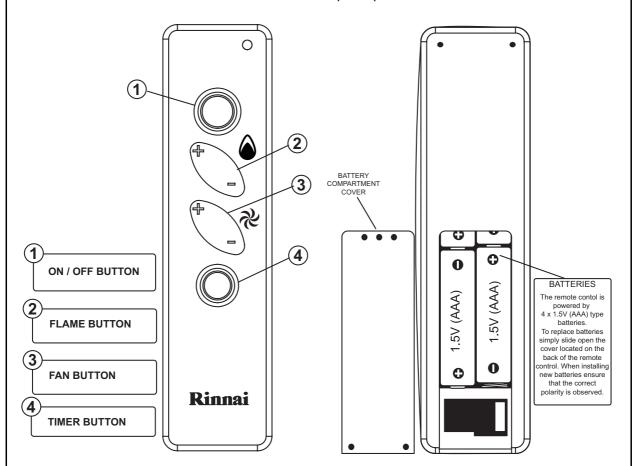
Remote Control:

Full function cordless remote control incorporates electronic timer, which allows the Constellation Flame Fire to operate for a set period of 30 minutes.

ABOUT YOUR NEW CONSTELLATION

REMOTE CONTROL

The remote control has all the features of the control panel plus the additional Timer Function.





- Uses 4 x 1.5V (AAA) batteries. Do not mix old and new batteries.
- Remove batteries if the remote control is not going to be used for a long period. This will help avoid damage from leaking batteries.
- Some fluorescent lights may interfere with the transmission of remote control signals. In this case changing the position from which you are operating the remote control may help.
- Avoid leaving the remote control in direct sunlight and do not place it close to the warm air discharge louvres on the appliance.
- · Avoid dropping the remote control or getting it wet.

SAFETY POINTS

UNPACKING THE APPLIANCE:

Check for damage. If your Constellation Flame Fire is damaged, contact your supplier for advice. Before installing the appliance, check the label for the correct gas type (see gas type label on top of data plate and on Injector Block bracket). Refer to local gas authority for confirmation of gas type if you are in doubt.

The following items should also be included in the carton: Operation / Installation manual, remote control, 4 x AAA batteries, flexitube and reducing flare for gas connection.



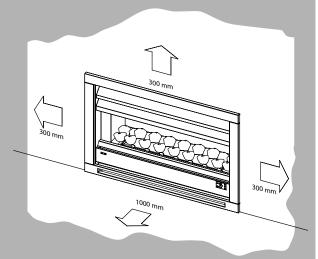
IF YOU SMELL GAS:

- 1. Turn off gas at the meter or LP gas cylinder.
- 2. Extinguish any open flame.
- 3. Open windows.
- 4. Do not touch electrical switches.
- 5. Do not use the conventional telephone in the building in which the unit is installed.
- 6. Contact your gas supplier from a neighbours telephone or use a mobile phone away from the building in which the appliance is installed.

IMPORTANT:



- The appliance must be installed by an authorised person in accordance with the local gas and electrical authority regulations.
- For information on gas consumption, see data plate on the appliance. b.
- This appliance must not be installed where curtains or other combustible materials C. could come into contact with it. In some cases curtains may need restraining.
- d. Ensure that the area in which the appliance is installed has adequate fixed ventilation. This fixed ventilation must be provided in accordance with AS 5601 'Gas Installations': Note that the ventilation requirements for a 'Decorative' Gas Log Fire
- DO NOT connect to an LPG/Propane Gas cylinder indoors. If the appliance requires conversion to suit LPG/Propane Gas, this must be carried out only by an authorised
- Appliance must not be located f. below a power socket-outlet.
- Heat emanating from the front of this appliance may over time affect the appearance of some materials used for flooring such as carpet, vinyl, cork or timber. This effect may be amplified if the air in the contains cooking vapours or cigarette smoke. To avoid this possibility, it is recommended that a mat be in front of placed appliance, extending at least 750 mm in front of it.
- The appliance is not intended for use by young children or The above diagram shows the clearances required infirm persons without supervision.



around this appliance whilst in operation.

- Young children or the infirm should be supervised to ensure they do not play with this appliance.
- If the power cord is damaged or requires replacing, it must be replaced by the manufacturer or the manufacturer's agent or similarly qualified person in order to avoid a hazard.
- This appliance must not be modified.

SAFETY POINTS

Do not restrict the warm air discharge by placing articles in front of the appliance.



Do not spray aerosols whilst the appliance is operating. Most aerosols contain butane gas, which can be a fire hazard if used near the Flame Fire when it is in use.

Do not store flammable material near this appliance.

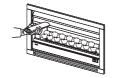


Do not allow young children or the infirm to sleep directly in front of the appliance.

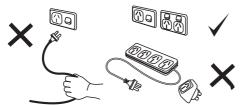


Do not allow anyone to post articles through the louvres or into the combustible chamber. Do not attempt to burn paper or other material in this appliance.



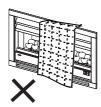


Do not unplug the appliance while it is in operation.



A dedicated 230~240V 10 Amp power point must be used with this appliance. Do not use power boards or double adaptors.

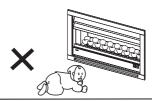
Do not cover or place articles on or against this appliance.



This appliance must not be used for any purpose other than heating.



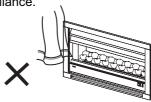
Young children should be supervised at all times. Hand or body contact with the louvres and combustion chamber components must be avoided at all times.



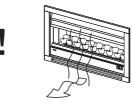
Do not allow anyone to sit on or lean against the appliance.



Do not allow curtains or other flammable or combustible materials to come into contact with appliance.



When the appliance is operated for the first time or after long periods of non use a slight odour may be emitted. This is normal, however if odours persist switch off the unit and contact Rinnai.



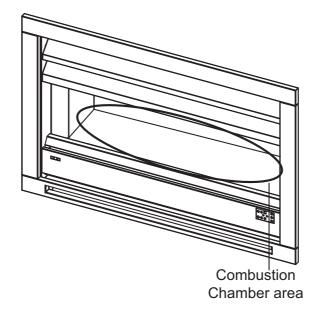
Do not use or store flammable materials near this appliance.



SAFETY POINTS



- The combustion chamber area becomes very hot during operation.
- Ensure young children or the infirm do not gain access to the combustion chamber or components whether the appliance is in operation or not.
- To reduce the risk of fire or injury from burns and for the protection of young children or the infirm a secondary guard is recommended.
- The secondary guard is not supplied with this appliance and may be purchased by the owner.



OPERATION



Failure to comply with these instructions could result in a fire or explosion which could cause serious injury, death or property damage.

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Such work must only be performed by an Authorised person.



When using the Constellation Flame Fire for the first time or after long periods of non use, ignition may not occur the first time due to air in the gas pipes. If ignition does not occur after approximately 30 seconds the unit will cease operation automatically. Try operating the unit again if this occurs.

The Constellation Flame Fire may make noises after ignition or extinction. This is due to expansion and contraction of the internal components and is normal.

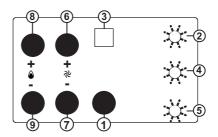
The Constellation Flame Fire will not ignite if the 'ON/OFF' ① button is pressed straight after extinction. After approximately 20 seconds has passed the unit will automatically go into ignition mode.

OPERATION USING THE CONTROL PANEL

The control panel is located on the bottom right hand side of the front panel of the Constellation Flame Fire.

TURNING THE CONSTELLATION 'ON'

Press and release the 'ON/OFF' ① button. The ignition sequence will commence and the Power indicator ② LED will illuminate. The pilot burner will ignite first, followed by the main burner.



TURNING THE CONSTELLATION 'OFF'

Press and release the 'ON/OFF' ① button. This will extinguish all flames and the Power indicator ② LED will go out.

ADJUSTING THE FLAME

Two flame settings are available, Low and High.

Pressing the 'Flame Up' (8) button will increase the flame. Pressing the 'Flame Down' (9) button will decrease the flame.

ADJUSTING THE FAN

Three fan settings are available, Off, Low and High. The fan operates independently from flame adjustment.

Pressing the 'Fan Up' (a) button will operate the fan at 'High' speed. The 'Fan Hi' indicator (a) LED on the control panel will illuminate.

Pressing the 'Fan Down' ① button once will operate the fan at 'Low' speed. The 'Fan Low' indicator ⑤ LED on the control panel will illuminate.

Pressing the 'Fan Down' ⑦ button a second time will switch the fan off. The 'Fan Low' indicator ⑤ LED on the control panel will go out.

OPERATION USING THE REMOTE CONTROL

The remote control emits an Infra Red (IR) signal and must be aimed at the receive unit located on the control panel on the bottom right hand side of the front panel ③. The normal operating range is approximately 5 metres, up to an angle of approximately 40 degrees to the horizontal. This range may vary depending on the installation and the strength of the remote control batteries.

USING THE TIMER

Pressing the 'Timer' ④ button on the remote control will activate the timer. The Power indicator ② LED will flash and the appliance will now operate for 30 minutes after which it will switch 'off' automatically. Pressing the 'timer' ④ button again within the 30 minute period this will cancel the timer and the Power indicator ② LED will stop flashing. Whilst operating in timer mode all other functions are available.

CARE AND MAINTENANCE

CONSTELLATION FLAME FIRE OPERATION CHARACTERISTICS

Before asking for a service call please check the following characteristics.

These characteristics are part of the normal operation of the appliance and do not indicate a fault.

CHARACTERISTIC	→	EXPLANATION
At ignition:		
Smoke or smells are produced on the first start up operation after installation or after an extended period of non-use.	→	This is caused by a film of oil on the heat exchanger from manufacture or dust. This will stop after a short time.
Clicking noises during ignition or when the flame setting is changed.	→	This is noise caused by expansion and extraction of hot parts and is normal.

TROUBLE SHOOTING CHECK LIST

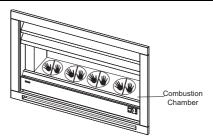
Use the following chart to help determine whether a service call is required. If you are unsure about the operation contact Rinnai Australia, or your local agent.

Fault Condition Probable Cause	No ignition or control panel indicators	Burners fail to ignite	Combustion stops during operation	Smell of gas	Remote control does not operate	Possible Remedy
Gas escape				•		 Turn off gas at the meter or LP gas cylinder. Extinguish any open flame. Open windows. Do not touch electrical switches. Do not use the a telephone in the building in which the unit is installed. Contact your gas supplier from a neighbours telephone or use a mobile phone away from the building in which the unit is installed.
Not plugged in or turned on						Plug in power cord or press the control panel On/Off button
Air in gas pipe						Re-attempt operation after power is restored.
Mains power failure			•			Re-attempt operation a number of times. If appliance will not operate contact Rinnai.
Louvres obstructed						Remove the obstruction from louvres.
Gas supply turned off						Turn gas supply on at meter or cylinder.
Flat batteries						Replace the remote control batteries 4 x 1.5v (AAA).
Remote control incorrectly aimed						Change operation position of remote control & try again.

CLEANING

Unplug the power cord before cleaning. All external parts of the Constellation Flame Fire and remote control can be cleaned using a soft, damp cloth and a mild detergent, except for the combustion chamber.

DO NOT clean internal areas such as the combustion chamber.





The combustion chamber area MUST NOT be cleaned as indicated by



SERVICE

Rinnai recommend that this appliance be serviced every 2 years. If the power cord or any other component of the Constellation Flame Fire is damaged, they must be replaced by Rinnai service staff or a suitably qualified person. Any service or repair work should only be carried out by an Authorised person. Rinnai has service and spare parts departments nationally. See back page for contact details.



Service calls for general cleaning, maintenance and wear and tear are not necessarily covered under the warranty and may be chargeable.

INSTALLATION MANUAL

INSTALLATION GENERAL	12
PRODUCT SPECIFICATIONS	12
INSTALLATION CONSIDERATIONS	13
MANTLES	14
DECORATIVE SURROUND FRAMING DIMENSIONS	15
GAS SUPPLY	15
FLUE REQUIREMENTS	15
STEPS FOR INSTALLATION	16
INSTALLATION PROCEDURE	17
BLACK COALS / RIVER STONES PLACEMENT	18
TESTING PROCEDURE	19
TO CHECK AND SET BURNER PRESSURES	19
DIMENSIONS	21
INSTALLATION AND COMMISSIONING CHECKLIST	23
INSTALLATION / GAS FITTER DETAILS	23
CONTACTS	24

INSTALLATION GENERAL

PRODUCT SPECIFICATIONS

General description:	Inbuilt Radiant Decora system	tive Effect Gas	Flame Fire w	ith natural draug	ht flue
Gas input rate:		Model	800	Model	1000
		Natural Gas	Propane	Natural Gas	Propane
	High:	30 MJ/hr	30 MJ/hr	40 MJ/hr	38 MJ/hr
	Low:	18 MJ/hr	18 MJ/hr	24 MJ/hr	24 MJ/hr
Burner pressure:	High:	0.95 kPa	2.00 kPa	0.87 kPa	2.10 kPa
	Low:	0.35 kPa	0.72 kPa	0.34 kPa	0.85 kPa
Data plate:	On base panel to the	right hand side o	f gas control	1	
Gas control:	SIT modulating gas va	alve			
Burners:	Intermittent pilot burne	er and Ceramat®	main burne	٢	
Warm air discharge:	Top louvres				
Gas connection:	1/2" BSPT male union				
Flue terminal:	Natural draft round top	discharge flue			
	Inner - 200 mm Diame	eter			
	Outer - 250 mm Diam	eter			
Power supply:	230 ~ 240V 50 Hz. Ur replace only with Rinn				
Fan:	Tangential 2 speed, p	ower rating 60 V	Vatts		
Combustion system:	Ceramat® burner				
Black Coals / River Stones:	Ceramic				
Ignition system:	Continuous spark inte	rmittent pilot ign	ition system		
Operation:	Soft touch buttons and	d remote control	to light pilot a	and burners	
Safety devices:	Overheat thermal cuto	out switch / flame	e sensors		
Combustion method:	Naturally aspirated bu	rner			
Installation type:	Inbuilt only				
Weight:	Constellation 800	65 kgs			
	Constellation 1000	70 kgs			
Flue	A minimum vertical flu	e length of 3.6 n	n is required.		
requirement:	A minimum of 1.2 m o A maximum of two 45			re any bends or	offsets.

The manufacturer reserves the right to change or modify specifications without notice. Ceramat® is a registered trademark of SCHOTT AG gas burner systems, Germany.



- Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life.
- Installation and service must be performed by an Authorised person.

INSTALLATION GENERAL

INSTALLATION CONSIDERATIONS

Installation considerations are as follows:

 The Constellation Flame Fire is designed to be installed into a decorative surround. This surround may be constructed of combustible timber framework with plaster sheeting or similar materials. The Flame Fire panels remain cool enough to be in direct contact with combustible surfaces.

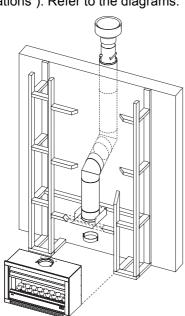
A decorative surround may also be constructed of masonry brickwork similar to that used to construct conventional fireplaces.



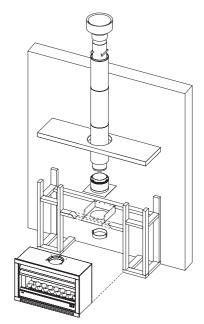
All installations must use the Rinnai flue system designated for the Constellation Flame Fire.

The design of this flue is incompatible with most existing masonry fireplaces. For this reason it is normally not practical to install the Constellation Flame Fire into existing masonry fireplaces.

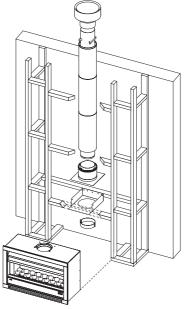
The decorative surround can encompass the Flame Fire with the flue pipe exposed in the room ("Console Installation") or can encompass both the Flame Fire and flue pipe provided clearance requirements between flue pipe and decorative surround material are met ("False Fireplace Installations"). Refer to the diagrams.



False Fireplace Installations with Offset Through the Wall



Console Installations with Direct Vertical Flue



False Fireplace Installations with Direct Vertical Flue

- 2. The Constellation Flame Fire is not suitable for installation in a bathroom or toilet.
- 3. The installation of the flue system must comply with the requirements of AS 5601 / NZS 5261. Only Rinnai Decorative Flue components are compatible with the Constellation Flame Fire. Rinnai Decorative Flame Fire flue components comprise a flue terminal kit, extension lengths to make 3.6 m of flue lengths flue mounting plate and connecting collar. Available as an additional to the standard kit is a 45 degree offset kit. Examples of flue configurations as shown. Detailed Flue installation instructions are included with the flue terminal kits.

INSTALLATION GENERAL

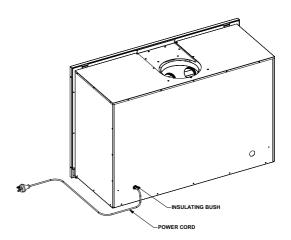
4. Since the Constellation Flame Fire is a decorative effect appliance, the space in which the unit is installed must have adequate fixed ventilation compliant with the requirements of AS 5601. For Decorative Gas Log Fires this requires that one or more openings with a combined free ventilation area of not less than 314 cm² (31400 mm²) shall be provided for each appliance.

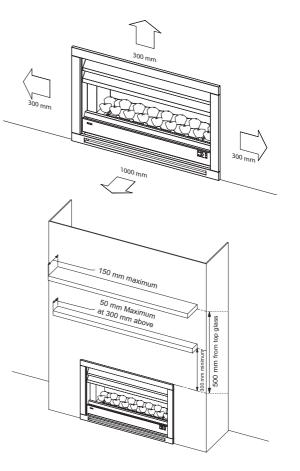
Notes regarding ventilation: *

The opening may be provided by any of the following options, provided that there is a ventilation path to outside that is unobstructed by building material or insulation:

- i. a) Directly through an outside wall (preferred option).
 - b) Through to an outside wall but offset.
 - c) Into a cavity ventilated to outside.
 - d) Into an underfloor space ventilated to outside.
 - e) Into a roof space ventilated to outside.
 - 5. The Constellation Flame Fire comes supplied with power cord and 3 pin plug passing through the insulating bush in the lower right hand side of the rear panel as shown. This is suitable for plugging into a 10A earthed power point if this power point is accessible to the end user with the appliance in the installed condition. This power point must not be located above the appliance. If the power supply is to be concealed, the appliance can be directly hard wired by an Authorised electrical tradesperson with an isolating switch accessible to the end user with the appliance in the installed condition. Refer to AS 3000 and AS 5601 for details.
 - The Constellation Flame Fire must not be installed where curtains or other combustible materials could come into contact with it. In some cases, curtains may need restraining.

See diagram for minimum clearances required.





MANTLES

A mantle is allowable providing that it conforms to the dimensions and clearances shown.

* Derived from AS 5601 - 2005.

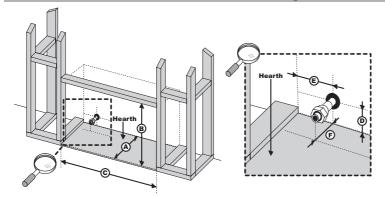
INSTALLATION PROCEDURE

DECORATIVE SURROUND FRAMING DIMENSIONS



The Constellation Flame Fire must be placed on a solid hearth placed under the appliance. This hearth must be capable of supporting the appliance. Material such as cement sheet or medium density fibreboard are suitable examples. The height of this hearth must be added to any framing dimensions shown.

For successful installation the framing dimensions must be strictly adhered to.



	Framing a	nd G	as Pipe Entry D	imer	sions
A	450 mm	©	Model 1000: -1000 mm Model 800: - 800 mm	(E)	136 mm
B	665 mm + Hearth Height	©	104 mm + Hearth Height	Ē	450 mm

GAS SUPPLY

The gas supply to the appliance must be positioned as shown in the framing dimensions and should terminate 145 mm back from the front face of the appliance.

Gas pipe sizing must consider the gas input to this appliance as well as all other gas appliances in the premises. The gas meter and regulator must be specified for the total gas rate. An approved sizing chart such as the one in AS 5601 should be used.

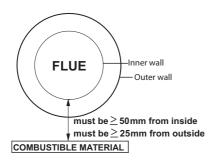
Appliance -**Purging the Gas Supply** All foreign materials such as filings must be purged from the gas supply, as they may cause the gas control valve to malfunction.

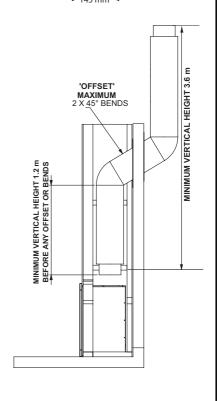
FLUE REQUIREMENTS

The Constellation Flame Fire flue system is a 'twin wall flue' system as defined in AS 5601 with a 200 mm inner wall diameter and 250 mm outer wall diameter. As such, the clearance between the outer wall and combustible surfaces must be a minimum of 25 mm to conform with the requirements of AS 5601.

There is no limit to the height of the flue, however, the vertical height from the appliance flue spigot to the 'offset' (if used) must be at least 1.2 metres.

Only one 'offset' can be used (2 x 45 degree bends). The minimum vertical flue height must be at least 3.6 m.

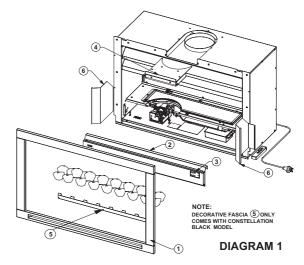


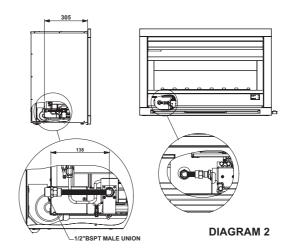


INSTALLATION PROCEDURE

STEPS FOR INSTALLATION

- 1. Determine the preferred location of the Constellation Flame Fire. Check roof space for any flue obstructions.
- 2. Construct the decorative surround in accordance with the Framing Dimensions.
- 3. Install the flue in accordance with the Instructions supplied with the flue terminal taking note of the following:
 - a. Flue termination above the roof must comply with AS 5601.
 - b. Vertical flue height must be no less than 3.6 metres.
 - c. The vertical height from the appliance to the first 45 degree bend must be at least 1.2 metres.
 - d. A maximum of 2 x 45 degree bends may be used.
 - e. The inner and outer flue pipes must be supported independently of the flame fire and the flue installation guide in accordance with AS 5601.
- 4. Run the gas supply. For pipe sizing, use a gas pipe sizing chart such as the one in AS 5601. The gas supply pipe should be run leaving a ½" BSP socket connection at the position shown on Framing Dimensions.
- 5. Purge the gas supply of air and debris. All foreign materials such as filings must be purged from the gas supply as they may cause the gas control valves to malfunction.
- 6. Prepare and install the appliance as follows: (Refer Diagram 1).
 - a. Place the appliance on a flat surface.
 - Remove the two screws from the bottom horizontal edge of the appliance surround ①.
 Lift the appliance surround to disengage from the two clips on the top horizontal edge.
 - c. Pull appliance surround ① away from appliance.
 - d. Remove the four screws holding the front panel assembly ② in place.
 - e. Disconnect the Communication Cable from the rear of the remote control sensor ③.
 - f. Remove the two screws holding the Flue Cover Assembly @ in place. Remove the flue cover assembly to provide access for flue attachment.
 - g. Remove the flexible gas hose and reducing flare from the packaging carton. Ensure that the hose, flare and gas supply pipe are free of damage and debris. Attach flexible gas hose pipe and reducing flare to the BSP connection of the gas regulator assembly. (Refer Diagram 2).
 - h. Slide the appliance into the decorative surround, whilst routing the flexible gas hose through the supply access opening at the rear on the left hand side as shown. Ensure no components are damaged during this process. Use the two levelling screws fastened by locknuts in the base at the front
 - of the appliance to level and stabilise the appliance.
 - i. Connect appliance to the electrical supply.
 This applies only if the appliance is direct wired.



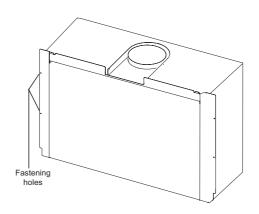


INSTALLATION PROCEDURE

Installation Continued



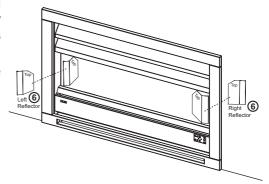
- Ensure the power supply to the appliance is isolated.
- j. Slide the appliance into the decorative surround, whilst routing the flexible gas hose through the supply access opening at the rear on the left hand side as shown. Ensure no components are damaged during this process. Use the two levelling screws fastened by locknuts in the base at the front of the appliance to level and stabilise the appliance.
- k. When the appliance is stable and level fasten it against the decorative surround using the two holes on each front flange (four holes in total).
- Attach the flue pipe to the appliance flue spigot in accordance with the Flueing Installation Instructions.
- m. Attach the flexible gas supply hose from the appliance to the ½" BSP socket connection on the gas supply pipe.





A gas leak test must be carried out in accordance with AS 5601. Use a soapy solution on all gas connections. Leaks will be visible when the soapy solution forms bubbles. When finished wipe the soapy solution off with a rag.

- 7. Fit the two stainless steel side reflectors (a) by placing the right and left reflector brackets on the burner tray support with **the top angle section** facing upwards as shown.
- 8. To re assemble carry out the above in the reverse order.



BLACK COALS / RIVER STONES PLACEMENT

- Remove 2 bags of Black Coals / River Stones (24 pieces) and 2 bags of granules from the accessory box.
- Stack 18 pieces of Black Coals / River Stones evenly in two rows of 9 pieces each (Approx. Gas 15 mm) on top of Ceramat® Burner as shown in Diagram A.
- Place all the granules evenly on top of the Ceramat® Burner in the space between the Black Coals /
 River Stones. Avoid pouring the granules directly onto the Ceramat® Burner as this may cause
 blockage and poor combustion. Take care not to drop the Black Coals / River Stones on the Base
 Panel, which contains Electronic Components.
- Stack the remaining 6 Black Coals / River Stones on top of the bottom layer of Black Coals / River Stones as shown in Diagram B.



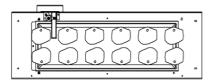
- Whilst placing the Black Coals / River Stones take care not to damage the Ceramat® Burner.
- Do not operate the appliance if you observe any damage to the Ceramat® Burner during installation or after use.
- A damaged Ceramat® Burner could be dangerous. The Burner may need to be replaced.
- DO NOT operate the Constellation without either the Black Coals and/or River Stones in place.
- Use ONLY the Black Coals / River Stones provided.
- DO NOT use heat beads or any other materials. Ensure to advise Customer of this.



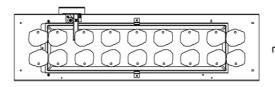
DO NOT FORGET TO PLACE GRANULES.

• Place granules evenly on top of the Ceramat® Burner in the space between the Black Coals / River Stones. Other materials must not be used.

DIAGRAM A

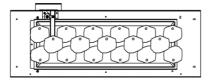


CONSTELLATION 800 (Bottom Layer: 12 Coals / River Stones)

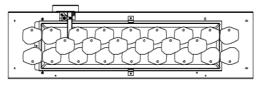


CONSTELLATION 1000
(Bottom Layer: 18 Coals / River Stones)

DIAGRAM B



CONSTELLATION 800 (Top Layer: 5 Coals / River Stones)



CONSTELLATION 1000 (Top Layer: 6 Coals / River Stones)



IMPORTANT

River stones and coals must be placed as shown

TESTING AND COMMISSIONING

TESTING PROCEDURE



- Installation and commissioning must be carried out by an Authorised person.
- Wiring inside this appliance may be at 240 V potential.
- · Do not test for gas escapes with an open flame.

TO CHECK AND SET BURNER PRESSURES

- Refer to Data Plate and the Technical Specification section in this manual.
- Connect the CAT5 Cable to the control receiver in the rear right hand side of the front panel assembly. Don't fit front panel assembly to the appliance yet.
- Loosen the outlet test point screw and attach manometer to the test point. The outlet test point is on the right hand side of gas control (shown below).
- Turn the appliance 'ON'. Adjust to the 'high' flame setting. Check the high pressure setting adjust as detailed below. Adjust to the 'low' flame setting. Adjust as detailed below if required.

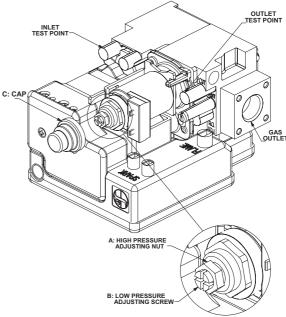
If adjustments are necessary, remove Cap C. The pressure adjustment screw and nut are on the front side of the gas control as shown and should be set to the pressures on the appliance data-plate.

High Pressure Setting:

 Use a 10 mm spanner to turn nut A. Turning clockwise increases the outlet pressure whilst turning anti-clock wise decreases the outlet pressure.

Low Pressure Setting:

- Turn off the power to the POV by disconnecting the POV test connection in main harness and keeping Nut A stationery.
- Use a screwdriver for setting Screw B. Turning clockwise increases the outlet pressure whilst turning anticlockwise decreases the outlet pressure.
- · Replace Cap C after pressure adjustments.
- · Reconnect the POV test connection.
- Burner aerations are factory preset and cannot be adjusted.



GAS CONTROL AND IGNITION PACK ASSEMBLY



To ensure the correct operation of the POV it is necessary that the plastic Cap C is returned to its original location.

- After checking the pressures, turn the appliance off, remove manometer and tighten the test point screw.
- Turn the appliance on and off a few times to confirm correct ignition and operation.
- When satisfied that the appliance is igniting and operating correctly, refit the burner cover assembly and front panel assembly.
- · Refit the flame fire surround.
- If the Constellation will not operate correctly, refer to the Trouble Shooting section on page 10.
- It may take approximately 2 hours of operation for the black coals/river stones to achieve their full flame pattern and glow.
- During the initial burn in period, some smoke and smell may be emitted. The appliance should be run on the high position in a well ventilated room until these dissipate.

TESTING AND COMMISSIONING

INSTALLATION AND COMMISSIONING CHECKLIST

- Complete the Installation Check list and the installer details on page 23.
- Instruct customer on Constellation operation.
- Ensure the customer understands the content of this booklet.
- · Ensure this booklet is left with the Customer.



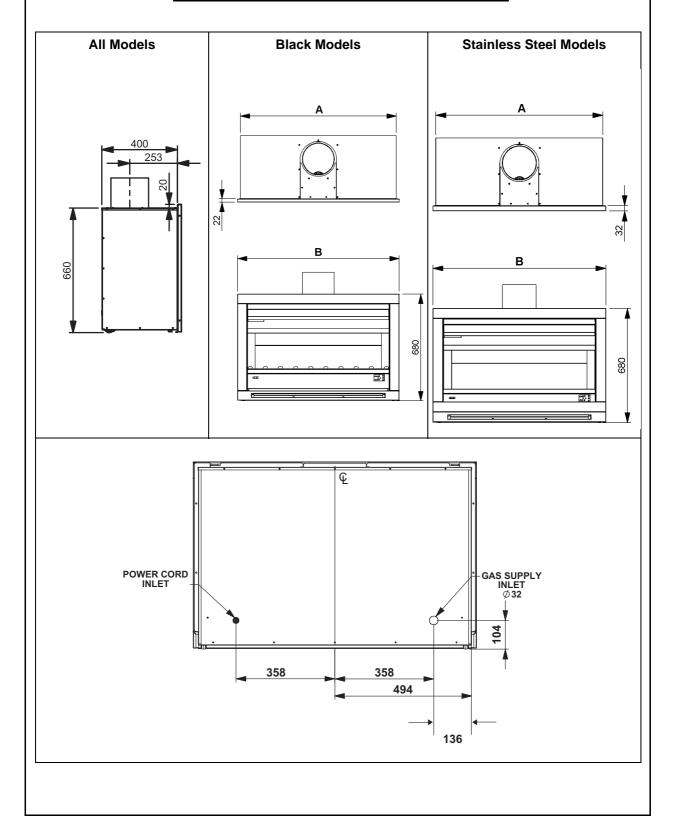
Ensure the Customer understands that:

- The Constellation Flame Fire has no primary guard and therefore the Safety Instructions on pages 6 and 7 must be followed to prevent the risk of injury from burns
- No part of this appliance should be permanently removed.
- Paper or other material must not be burnt in this appliance.
- Young children and the infirm should be supervised at all times.

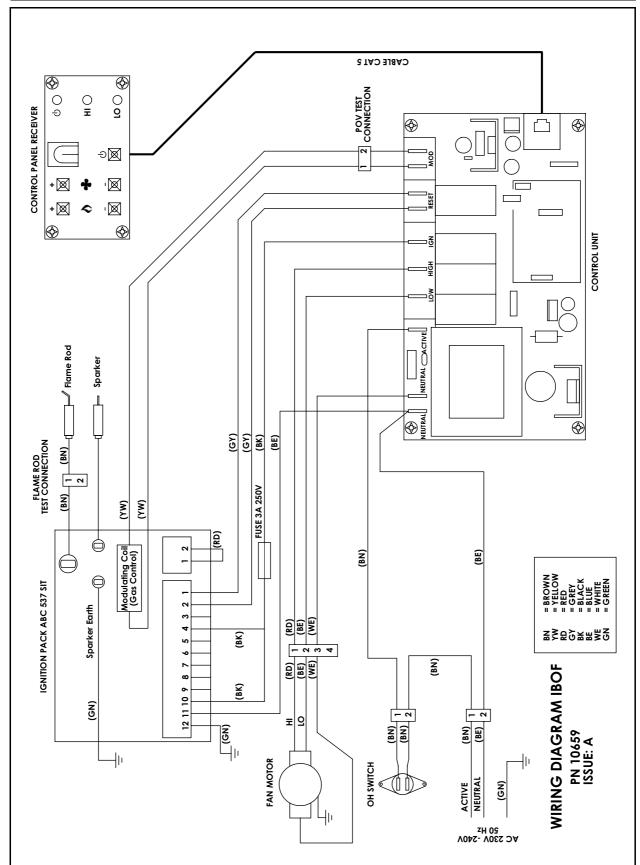
DIMENSIONS

CONSTELLATION 800 and CONSTELLATION 1000 (Note: All Dimensions are in mm)

MODELS	Α	В
CONSTELLATION 800	790	825
CONSTELLATION 1000	990	1025



WIRING DIAGRAM



If the power cord is damaged or requires replacing, it must be replaced by the manufacturer or the manufacturer's agent or similarly qualified person in order to avoid a hazard. The power cord must only be replaced with a genuine Rinnai spare part.

INSTALLATION / COMMISSIONING CHECKLIST

o be completed by the l	,		
Models: (Constellation 80	00 / Constellation 1000)		
Serial No:	 	NO	YES
1. Has a gas leak test pro	cedure been carried out?		
2. Was a Rinnai flue syste instructions?	em installed in accordance with the		
Have specified gas pre	ssures been checked and set?		
4. Are the black coals / riv	rer stones located correctly?		
5. Have ember granules powder?	been placed and free of dust and		
6. Has the appliance beer	n test fired for correct operation?		
	n test fired for correct operation? aware of operation and safety		
7. Is the end-user fully issues?	aware of operation and safety		
7. Is the end-user fully issues?		□ □	AILS
7. Is the end-user fully issues?	aware of operation and safety	ER DET	AILS
7. Is the end-user fully issues?	aware of operation and safety		
7. Is the end-user fully issues?	aware of operation and safety LERS / GAS FITTE		
7. Is the end-user fully issues? INSTAL Company name:	aware of operation and safety LERS / GAS FITTE		
7. Is the end-user fully issues? INSTAL Company name: Installers name:	aware of operation and safety LERS / GAS FITTE		
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7. Is the end-user fully issues? INSTAL Company name: Installers name: Address:	aware of operation and safety LERS/GAS FITTE		
7. Is the end-user fully issues? INSTAL Company name: Installers name: Address: Phone: Certificate of Comp (* where applicable)	aware of operation and safety LERS / GAS FITTE		

Rinnai

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Internet: www.rinnai.com.au E-mail: enquiry@rinnai.com.au

National Help Line

Spare Parts & Technical Info

Tel: 1300 366 388* Fax: 1300 300 141*

*Cost of a local call Higher from mobile or public phones.

24 Hour Service

Tel: 0800 746624 (0800 Rinnai)