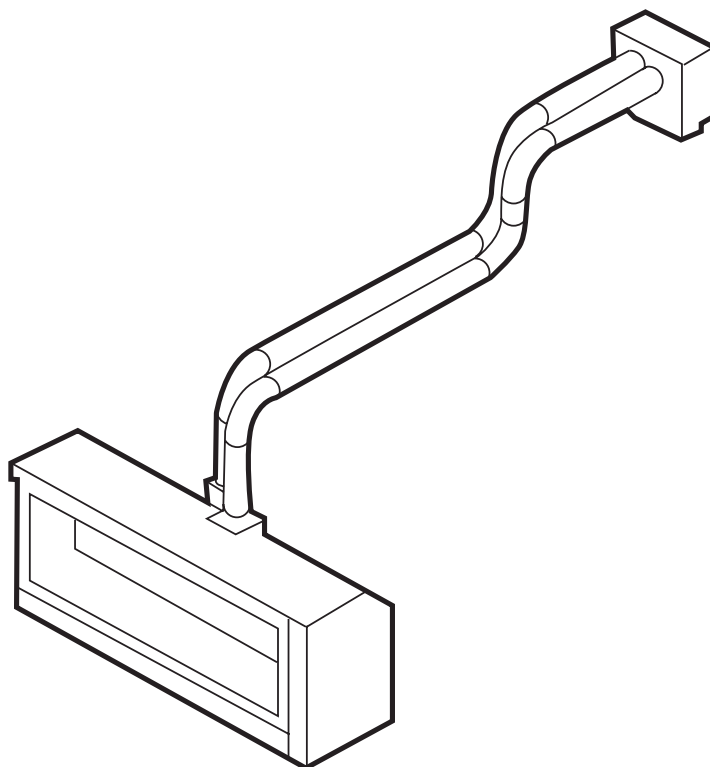




SCAN FOR THE
LATEST VERSION

ELEMENT 900 SPACE HEATER 5-9M INSULATED FLUE CONFIGURATIONS

INSTALLATION AND OPERATIONS MANUAL



The Real Flame Element space heater is suitable to be installed into a frame out installation. Designed to operate on Natural gas and LPG

Approval no. GMK 10441

Consumer safety information: please read this manual before installing and operating this appliance. Failure to follow these instructions may result in a possible fire hazard and/or injury and will void the warranty.

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WELCOME

Congratulations on your selection of the elegant Real Flame Element 900 Fireplace. Enjoy mesmerising flame patterns in a truly efficient gas fireplace. The compact design and the cutting edge display in the 900 is a new addition to the popular Element range. We hope you create endless memories in front of this warm and cosy fireplace.

Read this manual before attempting to install or use the fireplace. Always comply with the warnings and safety instructions contained in this manual to prevent injury or property damage. When using the fireplace basic precautions should always be followed to reduce the risk of fire and injury.

INSTALLATION NOTICE

The installation of this appliance is only to be carried out by an authorised person in accordance with the Manufacturer's Instructions, local gas fitting regulations, AS/NZS5601.1-2013 installation code for gas burning appliances and any other relevant statutory regulations.

In all cases the installation of this appliance shall meet the requirements as set out in AS/NZS5601.1-2013.

Do not install in a fireplace as a Type 1 installation. Not intended as a fireplace insert.

NOTE: A slight smell may be apparent for the first few hours of use. This is due to the heat resistant paint curing. It is recommended to open windows in the room for the first lighting of the fire. In some instances a slight discolouration may occur inside the firebox. This is a normal condition and is not covered by warranty.

WARNING

The Element space heater has a primary safety glass fitted in front of the glass door. This safety glass is fitted to this appliance to reduce the risk of injury from burns and at no time should this glass be permanently removed.

For protection of young children or the infirm, a secondary guard is required.

The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. The glass panel gets extremely hot! Precaution should be taken

and young children supervised at all times when the heater is operating.

IMPORTANT SAFETY NOTICE

Do not place articles on or against this appliance.

Do not use or store flammable materials in or near this appliance.

Do not spray aerosols in the vicinity of this appliance whilst it is in operation.

Care must be taken to ensure that any return air register or exhaust system does not adversely affect the operation of the appliance or draught of chimney or flue.

Do not modify this appliance.

Appliance is designed to operate with luminous flames. May exhibit slight carbon deposit.

SERVICING

It is recommended you service your gas fire every 2 years as a minimum.

CORD REPLACEMENT

Electrical cord replacement must be undertaken by qualified and trained personnel only.

NOTE

Appliance is designed to operate with luminous flames. May exhibit slight carbon deposit.

SPECIFICATIONS OF ELEMENT 900

Appliance Type	High Efficiency Gas Fireplace	
Star Rating	Up to 4.4 stars	
Maximum Heating Output	Up to 6.7kW	
Heats Room up to	95m ² approx.	
Gas Type	Natural Gas	LPG
Gas Input	28 High/ 22 Low	28 High/ 22 Low
Operating Pressure (TPP)	0.82 kPa High/0.50 kPa Low	2.55 kPa High/1.70 kPa Low
Max - Min Inlet Pressure Range	1.13kPa - 5.00kPa	2.75kPa - 5.00kPa
Injector Size	2 X 1.90 mm	2 X 1.10 mm
Aeration Settings		
Media Setup	Natural Gas	LPG
Driftwood	3.0/3.0mm	Full open/Full open
Coals and Logs	3.0/3.0mm	Full open/Full open
Redgum and Coals	3.0/3.0mm	Full open/Full open
Pebbles	3.0/3.0mm	Full open/Full open

* Subject to model and flue configuration

OPERATION INSTRUCTIONS




USER INSTRUCTIONS

- Do not operate if you smell gas. Turn appliance off, extinguish any open flame. Contact your installer or a licensed gasfitter.
- Do not use if any part of this appliance has been submerged in water. Contact your installer or a qualified service technician.
- Solid fuels must not be burnt in the fire. Leaves, sticks, wood, paper food or material must be kept away from the fire.
- Should the appliance fail to ignite or was recently turned off, allow 5 minutes before attempting to reignite appliance. In the event of abnormal operation please contact your licensed gas installer, gas service personnel or Glen Dimplex Pty Ltd. Abnormal operation may consist of the following, noisy fan, excessive or small flame, unusual flame appearance or colour, excessive sooting or other.

APPLIANCE QUICK OPERATION

On/Off

1. Press power button  on the remote.
2. Press mode button until manual appears on lower area of screen
3. Press arrow up or down to change temperature.
4. Set the desired temperature - it must be above the room temperature for the appliance to operate.
5. Appliance will start once the flame symbol appears on the remote.
6. Appliance will perform a 40 second pre-purge, then sparking will occur.
 - Fire should operate within 1 minute of remote calling for heat.

NOTE – Should the fire not start, a post purge may occur, turn off remote - wait 5 minutes before reattempting

to light the fire.

NOTE – The Element is fitted with a gas pressure switch, in the event of no gas, gas supply turned off or low gas pressure the appliance will not operate.

REMOTE CONTROL GUIDE

The Element 900 is controlled completely by the use of the remote control; this remote can be used either as a manual operation or an auto operation.

- The remote thermostat uses radio frequency to transmit to the gas/fan controller.
- The remote thermostat has a LCD display.
- The remote thermostat uses 2 off “AA” batteries which should last for 12 months. (Depending on quality of battery.) Batteries should be changed when smoke alarms are changed.
- The remote control and the controller are non-serviceable parts and if faulty should be returned to Glen Dimplex Pty Ltd for replacement.

LOCATING THE REMOTE


The remote houses the thermostat that controls the heat output of the fire. When storing the remote either on its wall bracket or by placing it somewhere in the room where the fire is located, ensure there are no other heat sources that will affect the thermostats ability to accurately read the room temperature. For example, by placing the remote in direct sunlight or under a cushion, the fire may turn down or off before the room reaches the set temperature.

Factory Set Features

- When turned on the fire will always start on the low setting and remain on low for 3 minutes, it will then go to the high setting.
- The fan will automatically come on after the fire has been operating for 3 minutes 20 seconds.

- When the fire shuts off on auto mode or is shut off in manual mode, the fan will continue to operate for 8 minutes.
- The fire can be operated in either 'AUTO' mode or 'MANUAL' mode.

QUICK START GUIDE

On/Off Press and release the  button to turn the thermostat on and off.



Setting the day of the week and time

With the thermostat off, press and hold the 'T' button for 2 seconds or longer to initiate programming the time. Time, the hour setting and AM/PM will flash.





Setting the hour function

Press and release the  or  button to increase or decrease the hour setting by 1 hour. Press 'OK' to accept.



Setting the minute function

Press and release,  or  press and hold the s or t button to increase or decrease the minute setting by 1 minute. Press 'OK' to accept.

Setting the day of the week function

Press and release the  or  button to change the day of the week to the following or previous day. Press and hold the  or  button for 2 seconds or longer to increase or decrease the day of the week by 1 day every 0.5 seconds. Press 'OK' to complete setting.

Manual mode

Manual mode does not require that the time and day of the week are set. Press the  or  button to increase or decrease the temperature desired.

Automatic mode

The automatic mode allows the temperature to be regulated according to a programmed level and time. Manually overriding the set program At any time, the temperature may be adjusted up or down. However, whenever the thermostat changes to a new time period, the temperature will be set automatically according to that period's setting.

Programming

Each day of the week can be programmed individually for 4 periods P1, P2, P3 and P4, making a total of 28 programmed periods. Alternatively, a weekday program can be set, so the same program is used for Monday-Friday. Similarly, a weekend program can be set for Saturday-Sunday. The entire week can also have the same program.

Alternatively, a weekday or weekend program can be set with individual programs for the remaining days.

The suggested period settings for each day/s are:


Period 1 - morning

Period 2 - daytime

Period 3 - evening





Period 4 - night-time

To begin programming

With the thermostat off, press and hold the 'P' button for 2 seconds or longer to initiate programming. The LCD will display **PROG**,  and the time at which the thermostat is currently set. **MO** will flash.

Period 1 can now be set.





Setting the day of the week

You must choose which day/s of the week you wish to program. Press and release the  or  button to change the day of the week to the following or previous day. Press and hold the  or  button for 2 seconds or longer to increase or decrease the day of the week by 1 day every 0.5 seconds.

The order that you can scroll through the days is as follows:
MO → TU → WE → TH → FR → MO TU WE TH
FR → SA → SU → SU → SA → MO TU WE TH
FR SA SU

To accept the selected day/s of the week press 'OK'.

Setting the period starting time

The hour and AM/PM settings will now flash. To set the P1 starting time, press and release the  or  button to increase or decrease the hour setting. Press and hold the  or  button for 2 seconds or longer to increase or decrease the hour setting by 1 hour every 0.5 seconds.

Please ensure that AM/PM is set correctly.

Press 'OK' to accept.

The minute setting will now flash. Adjust the minute setting

similarly, using ▲ or ▼ button.
Press 'OK' to accept.

Setting the temperature

The temperature setting will now flash. Press and release the ▲ or ▼ button to increase or decrease the temperature setting by 1 °C. Press and hold the ▲ or ▼ button for 2 seconds or longer to increase or decrease the temperature setting by 1°C every 0.5 seconds.
Press 'OK' to accept.

Period 1 is now set for the day/s of the week that you have chosen. The LCD will display **P2** to indicate that Period 2 can now be set for the same day/s of the week. Repeat the programming process for periods 3 and 4. After program 4 is set, press 'OK' and the program for the selected day/s will be set. Repeat the programming process for any other periods/days that are required.

Restore factory default settings

With the thermostat off, press the following sequence of buttons: 'P', 'T', 'T' ▼ .

Teaching RF thermostat ID code to control unit

CAUTION: The thermostat has already been programmed with a unique code. Do not attempt to teach the RF Thermostat ID code unless instructed by the manufacturer.

With the thermostat off, press the following sequence of buttons: 'P', 'T', 'T' ▲ .

The LCD display will show 'CL' (Code Learn) for 2 seconds then return to the normal OFF state display. During this time a special code will be transmitted by the RF Thermostat to the Control Unit, causing the Control Unit to learn its ID.

WARNING

When the RF thermostat is in the "Auto" mode and the room temperature drops below the minimum temperature, the fire and fan will come on and operate until the room temperature is 3° above the minimum and then turn off, therefore:

- The minimum temperature should be set at a temperature that is not likely to cause the fire to

continually turn on and off.

- If leaving the house for an extended period, the RF thermostat should be turned "OFF".
- As long as the RF thermostat is in the "Auto" mode and the temperature goes below the minimum set temperature, the fire will come on no matter what times are programmed into the thermostat.
- If you are unsure of the operation of the RF thermostat, please contact the manufacturer.
- In the event of loss of power, the appliance will shut down safely. The appliance may automatically resume operation once power is restored, pending the operation mode of the remote control.

Resetting the appliance from lockdown conditions

TECHRITE IGNITION MODELS

Should the appliance fail to operate and is in a lockdown condition

Turn remote to off

Turn mains power supply to appliance off for 10 seconds

Turn on mains power supply

Restart appliance with remote

Resetting the appliance from lockdown condition- SIT

IGNITION MODELS

Should the appliance fail to operate and is in a lockdown condition

Turn remote to off

Wait 5 seconds

Restart appliance with remote

WiFi DEVICE CONTROL INSTRUCTIONS

WiFi control is available on the Element, Landscape and Element DS range of space heaters. WiFi control offers a temperature feature which can be used in conjunction with the supplied remote control or as the independent control. Multiple devices can control the appliance. The appliance will operate based on its last received command.

Note 1 – Multiple devices may be connected to the appliance, only one appliance can be controlled by a device at a time.

Note 2 – The room air temperature sensing device is located in the remote, accuracy of the temperature sensing may be effected by the room layout, appliance installation and nearby furniture.

Note: The programming function is only done via the remote control.

Introduction

These pages outline the Operation of the Real Flame MKII Thermostat system. The System Includes

1. Real Flame Modulating Valve MKII update
2. Real Flame WiFi Interface MKII
3. Real Flame Thermostat MKII App
4. Real Flame MKII Web Service

These instructions assume that the Modulating valve has been installed into a fireplace with the WiFi module connected.

WiFi Set-up

From Factory settings the Fireplace will broadcast an Access Point for the Mobile App to join with, the Access point names have the following format, Realflame_XXXXXX

Where 'XXXXXX' is the last six digits of the WiFi modules MAC addresses, the Access point is secured with the default password 'realflame'

Joining the access point in this mode will allow you to,

1. Control the Fireplace via its own WiFi Access point, and is good for Demo and testing functionality
2. Push the Fireplace to a local or home network, this allows you to control the Fireplace whilst also being

able to use your local network resource such as Internet, email and Facebook.

3. This mode is required to utilise the Server control features of the Fireplace.

Connecting to the fire through an access point

(eg: Phone or device directly connected to fire using phone or Device WiFi)

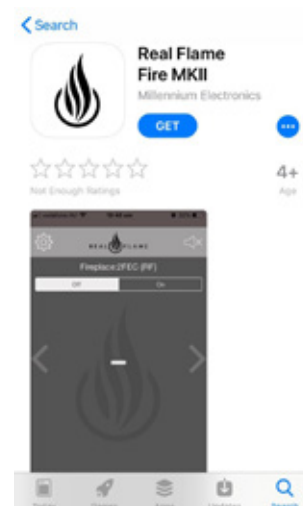
Step 1

Check version of receiver on appliance is Mk11. If the version is an older one please contact your dealer for WiFi setup guide for the older model.



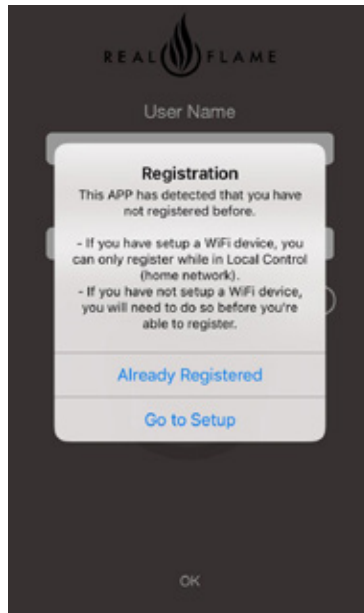
Step 2

Download the Real Flame Fire MKII App from the App store or play store if you're an Android user.



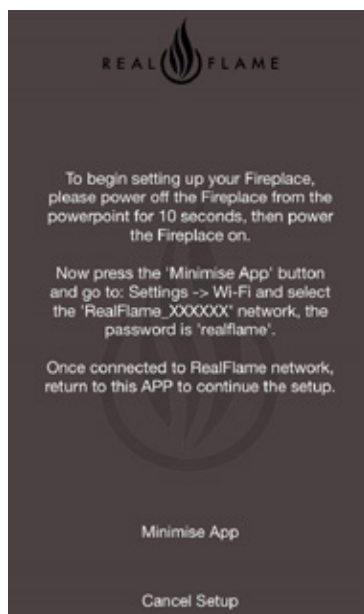
Step 3

Open the App and click on Set up if you are a new user and have not established connection to your fireplace prior to this.



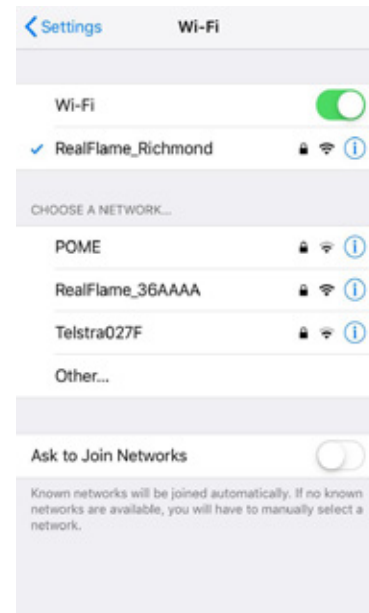
Step 4

When this screen pops up please switch your fireplace off for 10 seconds and switch on again from the isolation switch and click on Minimise App. If it's already off, switch on the fireplace from the isolation switch and then click on Minimise App button.



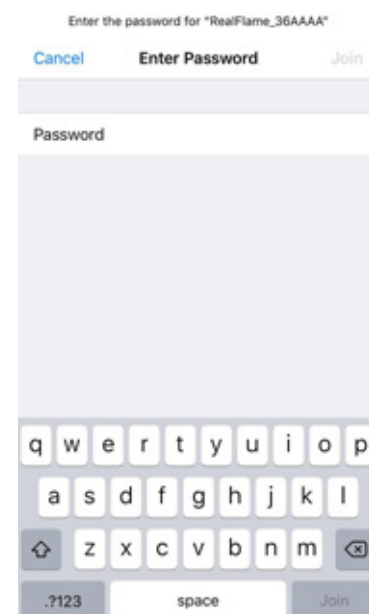
Step 5

Go to the WiFi setting on your phone and select your fireplace when the device prompts you to choose a network. In this example the RealFlame_36AAAA is the fireplace to select.



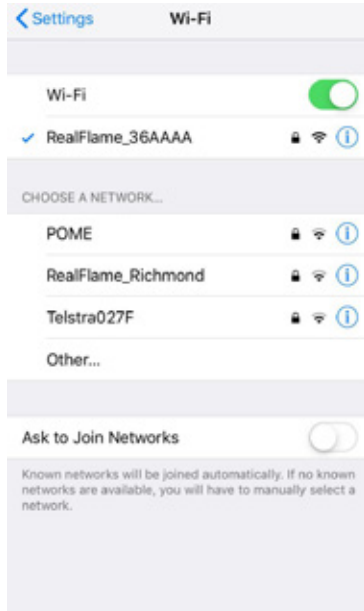
Step 6

Once you select the network of your fireplace you will be transported to a screen to input the network password. The password will be "realflame".



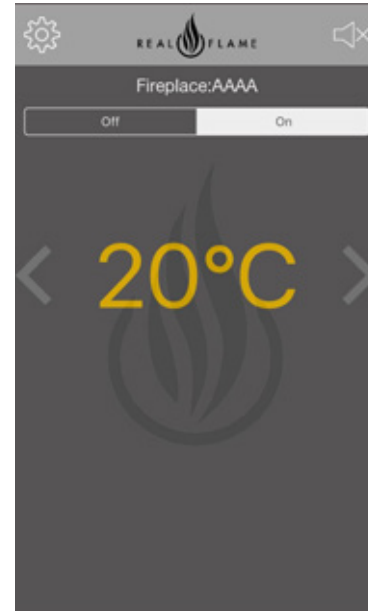
Step 7

Once the fireplace is connected click on the information button and select auto join for ease of connection in the future.



Step 9

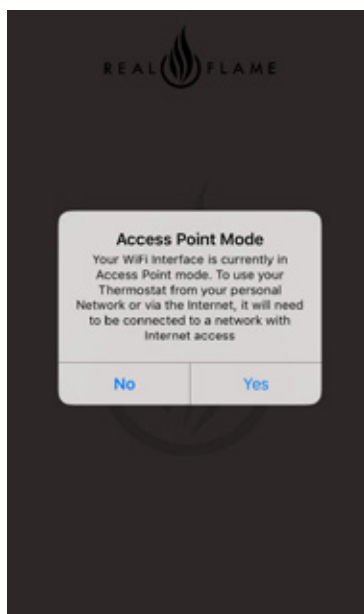
Congrats you have connected to the fireplace. Sit back, relax and increase or decrease the temperature as you please.



Step 8

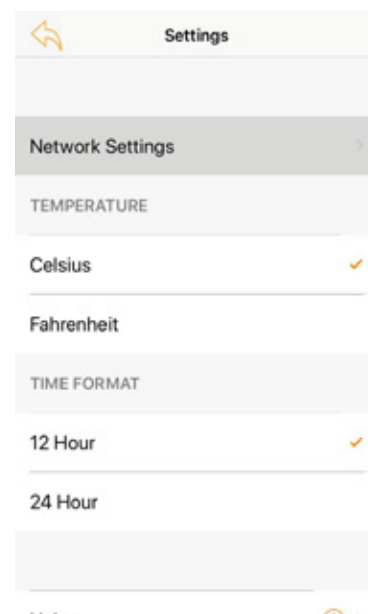
Open the App and click on NO when this pops up. Clicking NO would prompt the device to access the fireplace in the access point mode, which means you have connected to the device using the fireplace WiFi.

*Check Step 11 under "Setting up remote access to the fireplace" to connect to your fireplace from any location.



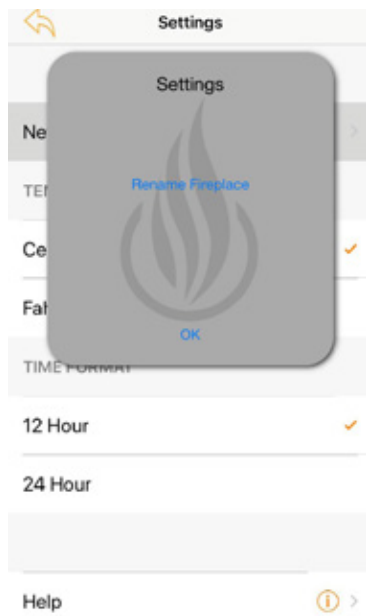
Step 10

Incase you want to change the name of your fireplace connection, click on the settings button on the left corner and it will transport you to the settings tab. Click on Network settings.



Step 11

Click OK when the option to rename appears and input the new name.

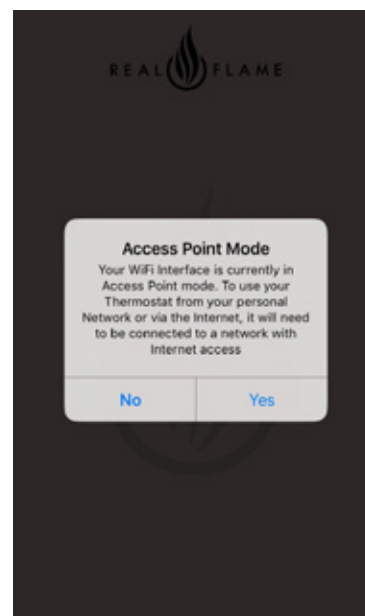


Setting up remote access to the fireplace

(eg: Using the phone or tablet remotely to activate the fire when not at residence) – Note gas fireplace requires connection to home WiFi network.

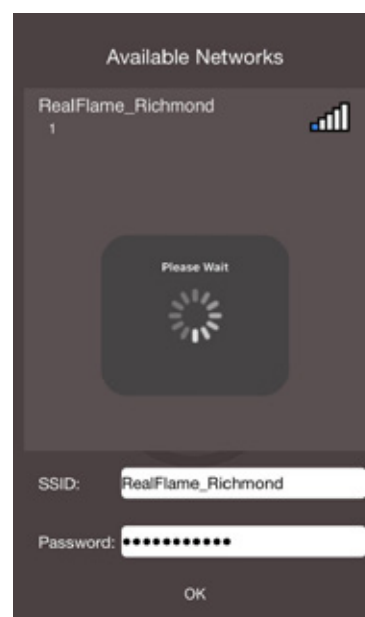
Step 12

To access your fireplace from remote locations click on the Yes button when this tab opens.



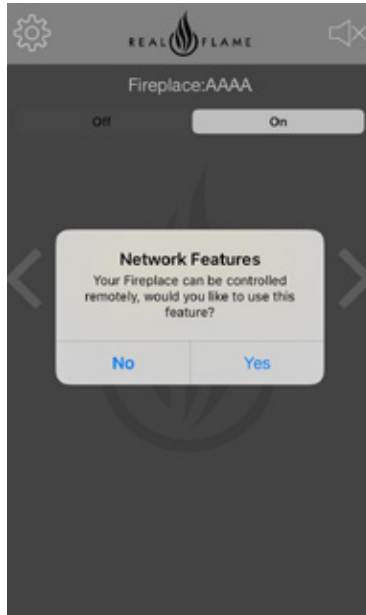
Step 13

Select your home WiFi network and input the password. This process links the fire to your WiFi. Make sure your phone is connected to the same network the fire is.



Step 14

Subject to operating system the following should occur - Once the connection is established, the system will transport you to the screen below. Click Yes.

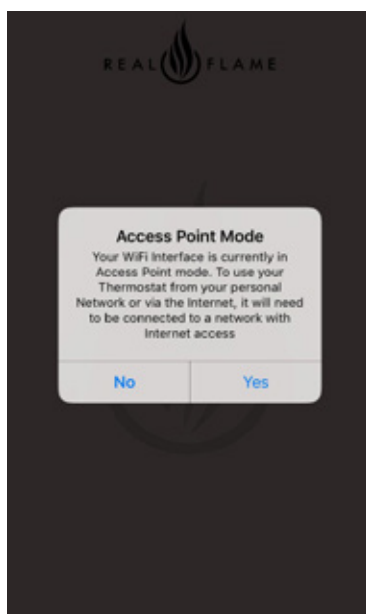


If the above does not occur – close app.

Open WiFi settings and connect phone to home WiFi network. Leave WiFi connection to home WiFi network on.

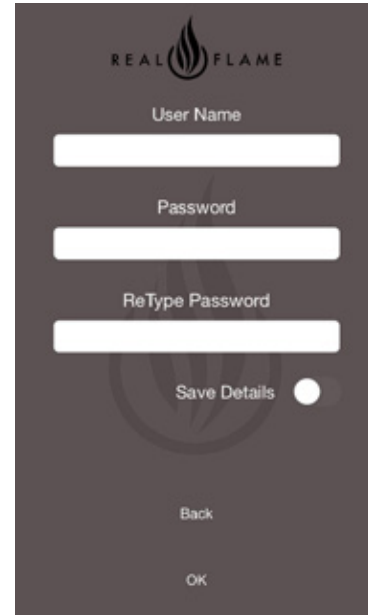
Open Realflame fire app.

Click YES



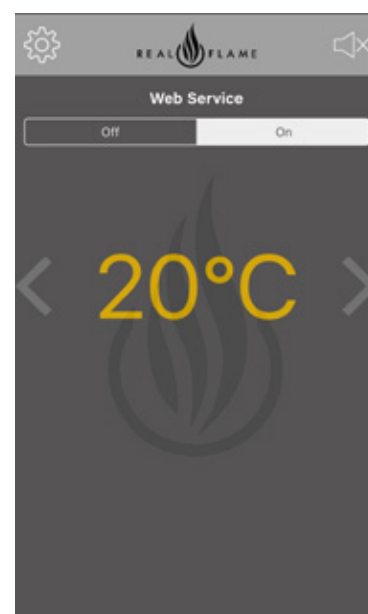
Step 15

Clicking Yes will open the registration section which once completed will allow you to access your fireplace from anywhere. Put in the details of your preferred username and preferred password (eg John Smith p/w delta22), check the save details tab and click ok. Record the username and password for future reference.



Step 16

Device should now be connected. Note - web service appears on screen



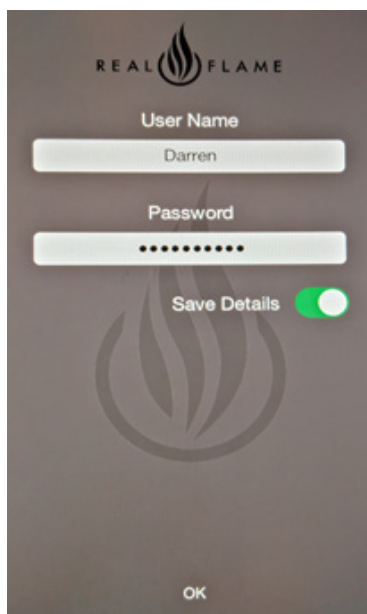
Step 17

Using device turn off fireplace.

Turn off WiFi connection to home network and to appliance if connected.

Close app.

Turn on app and select OK



Step 18

Sit back, relax and enjoy the warmth from your fireplace. (Note - web service appears on screen)

Fireplace may take upto 30seconds to receive signal from device.



Pushing the Fireplace to a different home or local network after initial setup

Pushing the Fireplace to a different home or local network after it has previously been set up, is done at Fireplace power on, when the fireplace is powered off at the Main switch, upon being powered on, the Fireplace will show its Access point (Realflame_XXXXXX) for 30 seconds. If you join the access point with your mobile device, you will be able to change the network the Fireplace is currently connected with via the mobile App. If you do not join the Access point the Fireplace will join the network that it has settings saved for or if there are no settings, it will stay in Access Point mode.

Note: If you join the access point by accident on power on, you can simply power off the Fireplace and power on again, after the 30 seconds the Fireplace will join the network with its saved settings

Note: If not connected to WiFi you can still control the fire via 4G or 5G network.

TROUBLESHOOTING FOR YOUR FIREPLACE

Problem	Possible Cause	Suggested Solution
When the remote is activated nothing happens	Gas supply is turned off or low pressure Powerflue fan loom is not connected Flues not connected or incorrectly installed; refer red/black labels	Reprogram the remote to the receiver (Refer to the Remote section in the manual)
	The remote batteries are flat	Replace the Battery
The remote operates but appliance does not operate or spark	Gas supply is turned off or low pressure	Check if the gas supply is turned on and the pressure is optimum
	Powerflue fan loom is not connected	Connect Powerflue fan loom
	Flues not connected or incorrectly installed; refer red/black labels	Check Installation and connect flues
The fire cuts off and won't relight	The over temp snap disc has been activated.	Allow the fire to cool down and then try to relight the fire. If the fire fails to relight, contact the manufacturer.
The fan will not come on	Possible caused by overheat or electrical fault.	Contact the manufacturer.
Flame appears to be low	Pressure not set	All pressures are set in the factory at the time of manufacture, however the installing plumber must make sure the pressures are correct.

Techrite Flash code sequence-normal operation

Off	Red 1 Long
Prepurge	Red 1 Long 5 Short
Sparkign	Red 1 Long 1 Short
Normal running operation	Red 1 Long
Normal postpurge (300 seconds)	Red 1 Long 5 Short
Off	Red 1 Long

Other Code

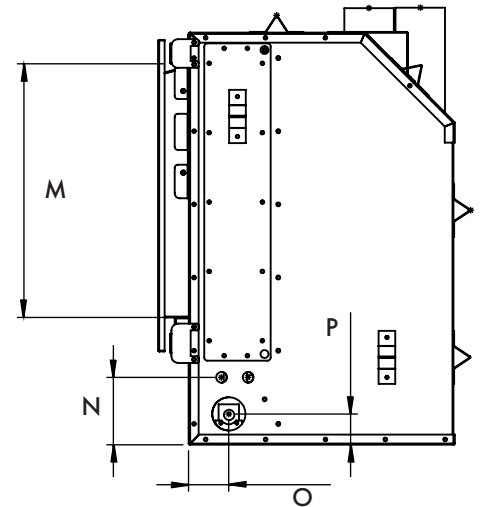
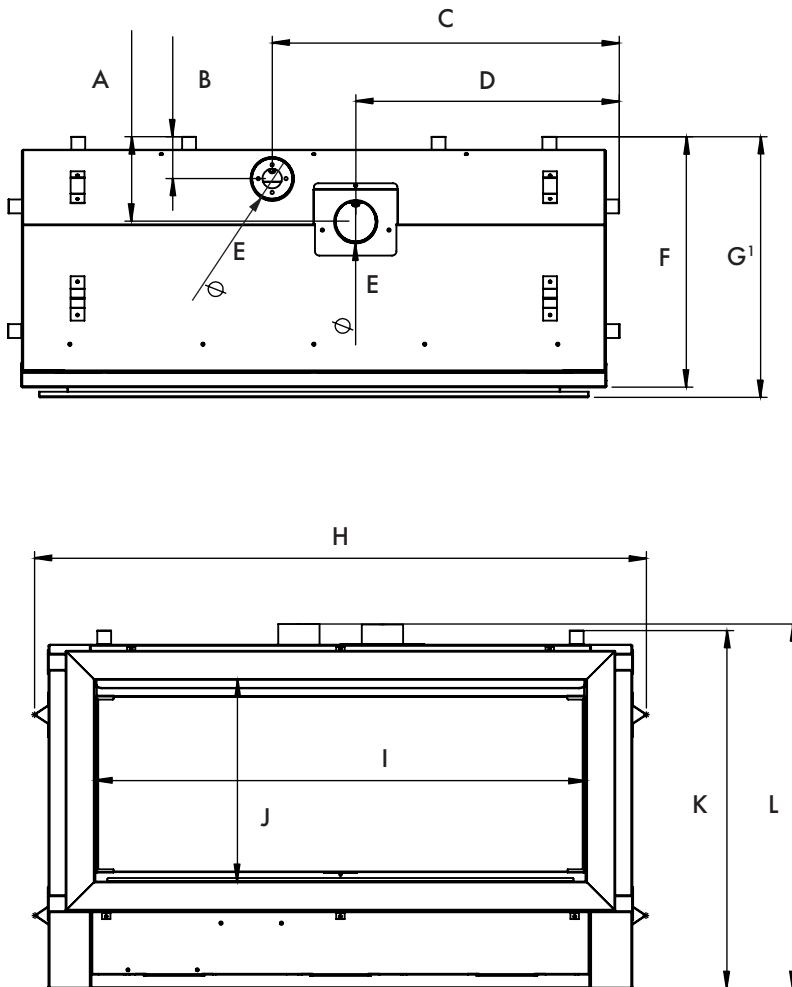
Fault Lockout	Red 2 Long 1 Short
---------------	--------------------

*If your fireplace still does not operate correctly consult your dealer. All service and repairs should be performed by an authorised agency. All spare parts and optional trim finishes are available from Glen Dimplex Pty Ltd.

INSTALLATION INSTRUCTIONS



UNIT DIMENSIONS



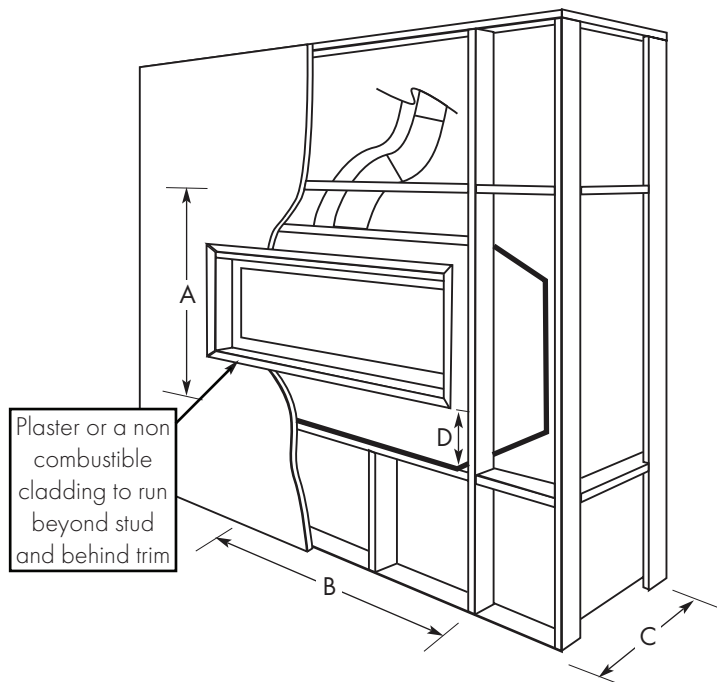
A	B	C	D	E	F	G	H	I	J	K	L	M
153	76	626	475	74.5	452	472	1103	887	364	645	657	381

N	O	P
101	60	46

G¹- Dimension are subject to plaster thickness

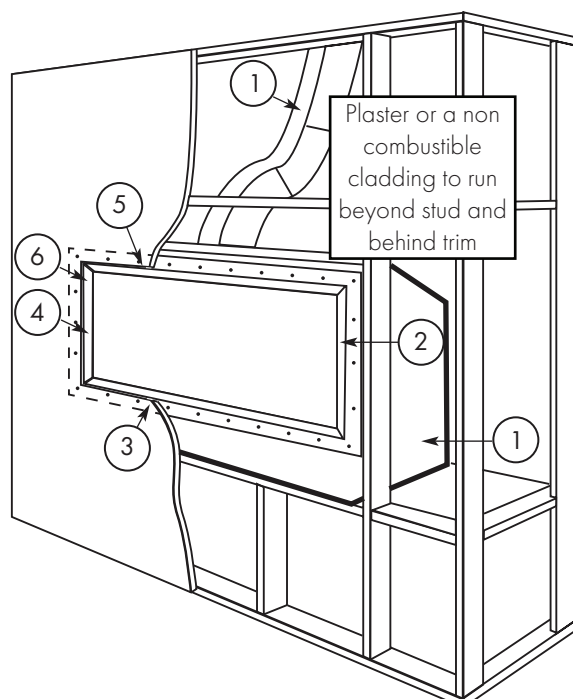
MINIMUM FRAMEOUT DIMENSIONS

50MM TRIM



A	B	C	D
660	1120	460	143

18MM TRIM



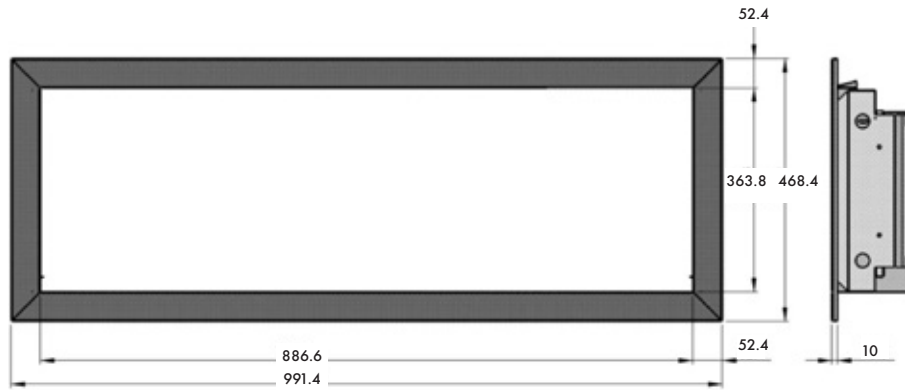
1. Install Element onto base and connect flue, gas and power.
2. Fit 18mm trim assembly.
3. Attach 4 sided flange kit to frame.
4. Remove 18mm assembly.
5. Clad wall to flange kit and finish.
6. Refit 18mm trim assembly.

NOTE :

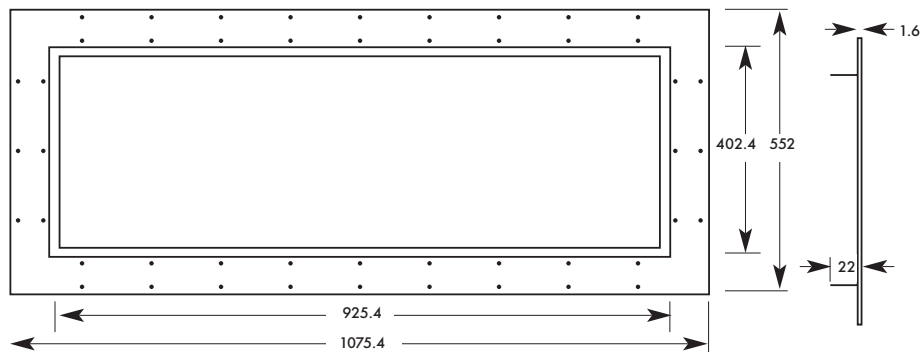
If the wall is being plastered we recommend fixing stopping bead up to the flange to give a clean shadow line. The depth of the flange profile is 22mm to allow for tiling or rendering. If plaster is used we recommend packing out to 22mm.

TRIM DIMENSIONS

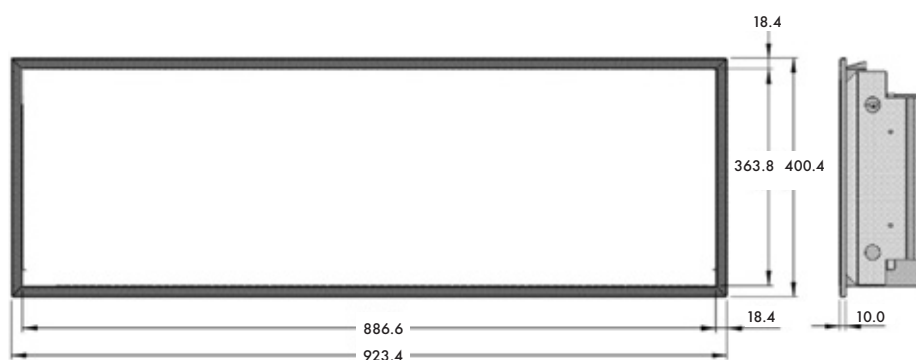
50MM TRIM



18MM TRIM FLANGE KIT



18MM LOW PROFILE TRIM



INSTALLATION INSTRUCTIONS

LOCATION

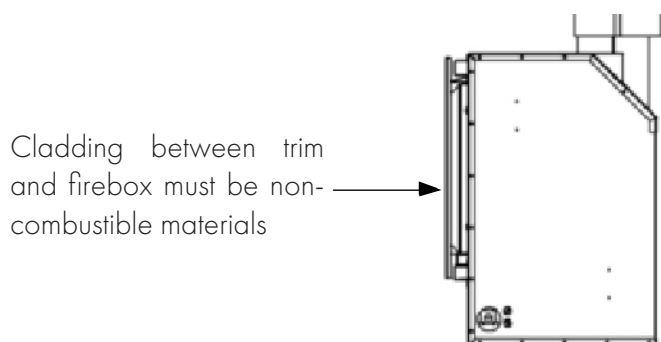
Select a location where the fire can be supervised during operation. An electrical isolation switch must be fitted at the appliance or on an adjacent wall to allow for emergency shutdown and maintenance. Installation must meet Australian gas codes AS5601.1-2013

INSTALLATION CLEARANCES

Clearances from combustible materials

Floor	0mm
Sides	25mm
Top	25mm
Flue outer	25mm
Front	25mm
Back	25mm

Note: Once installed no combustible items should be placed within 600mm of the fire viewing window.



GAS CONNECTION 15mm (1/2") Compression union
ELECTRICAL CONNECTION 3 Pin 10 Amp GPO plug
POWER RATING OF APPLIANCE 230V 50Hz 0.55 Amp

INSTALLATION CODES

Note appliance gas type – Natural gas/LPG. Should the appliance be the incorrect gas type, please contact the supplier for conversion details.

Installers – Please ensure the installation and instruction manuals supplied with this appliance are supplied to the customer and the customer is trained on how to operate the appliance correctly.

Do not modify the appliance.

Do not exceed maximum rated pressures.

Appliance must be installed with gas installation code (AS/NZS5601.1-2013) and applicable electrical installation code (AS3000).

Test for gas leaks prior to operating appliance.

Check gas pressures and adjust if incorrect.

FLUE CONFIGURATIONS

0-5m- Aluminum flexi flue as per 0-5m IOM.

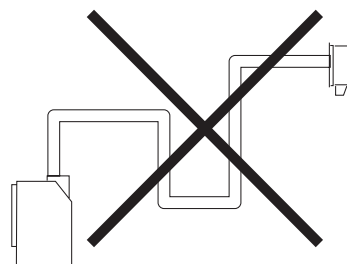
5-9m- Aluminum flexi flue insulated. Refer to 5-9m insulated flue run IOM.

9-13.5m- Poly flue system. Refer to 9-13.5m flue configuration.

FLUE SPECIFICATIONS

75mm internal diameter twin walled aluminum flexible flue, supplied in 5m lengths. Flue external diameter approx. 83mm.

Note - U style flue runs must not be installed:



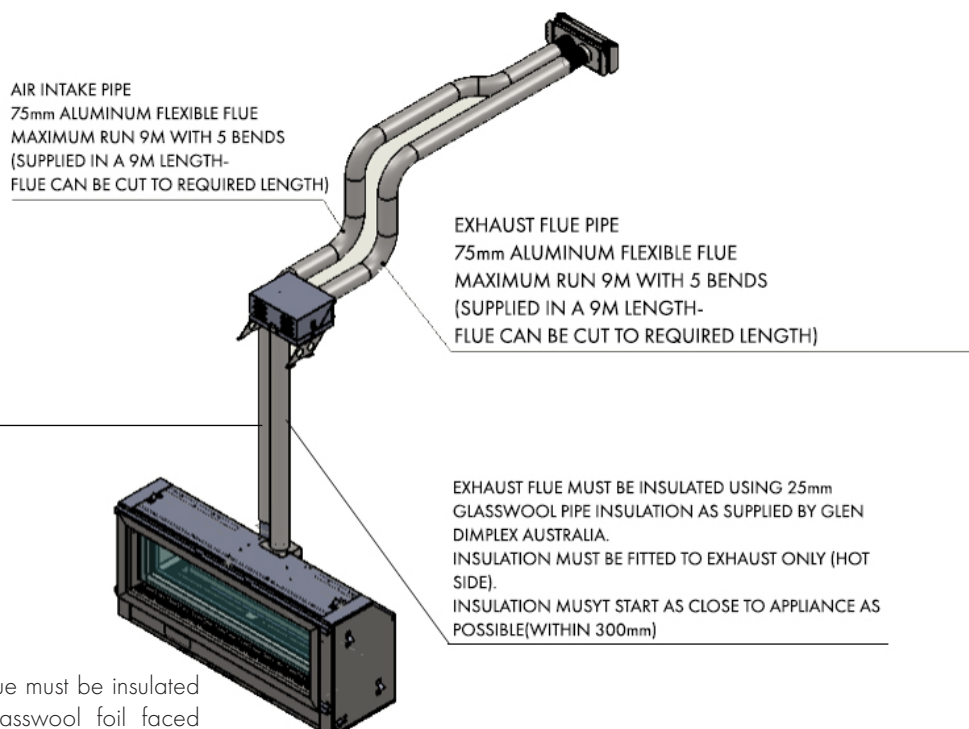
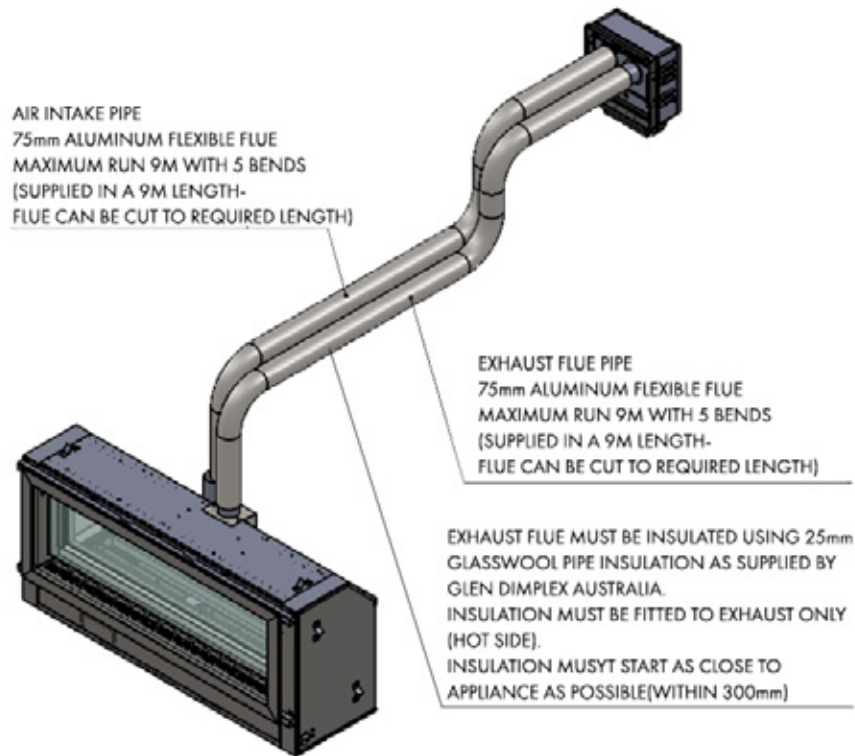
Recommended Silicon – Non-acetic, neutral cure 150°C or higher temperature rated.

Bostik RTV 926 or similar.

Flue runs 0m to 5m length (excluding 0-5m rooftop termination)

External wall mount outlet with integrated flue fan (0-5m Flue run model)

External wall mount terminal (Flue fan installed above appliance internally) (0-5m Flue run model)

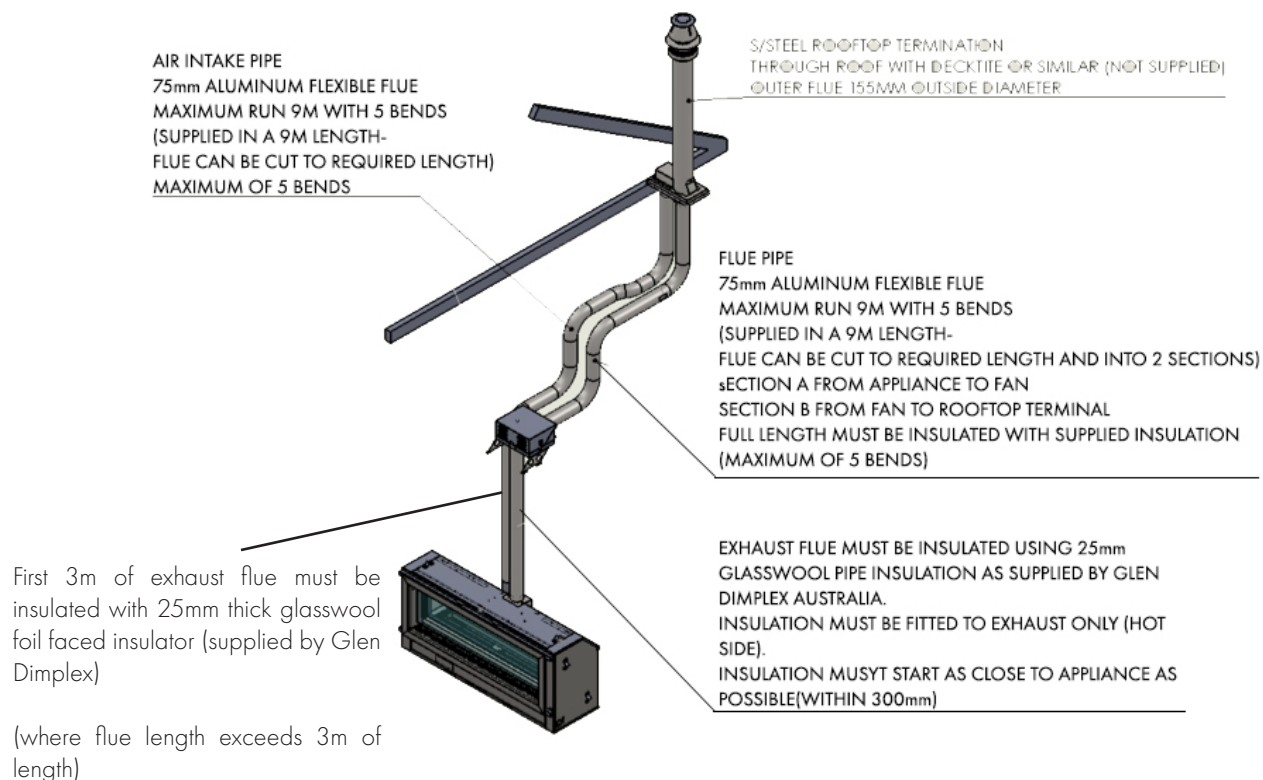


First 3m of exhaust flue must be insulated
with 25mm thick glasswool foil faced
insulator (supplied by Glen Dimplex)

(where flue length exceeds 3m of length)

Flue runs 0m to 5m length rooftop termination only

Vertical roof termination (S/Steel rooftop termination)



FLUE TERMINATION LOCATIONS

This section is used to determine where your Balanced Flue termination will be located.

Flue terminations shall not be recessed in walls or sidings.

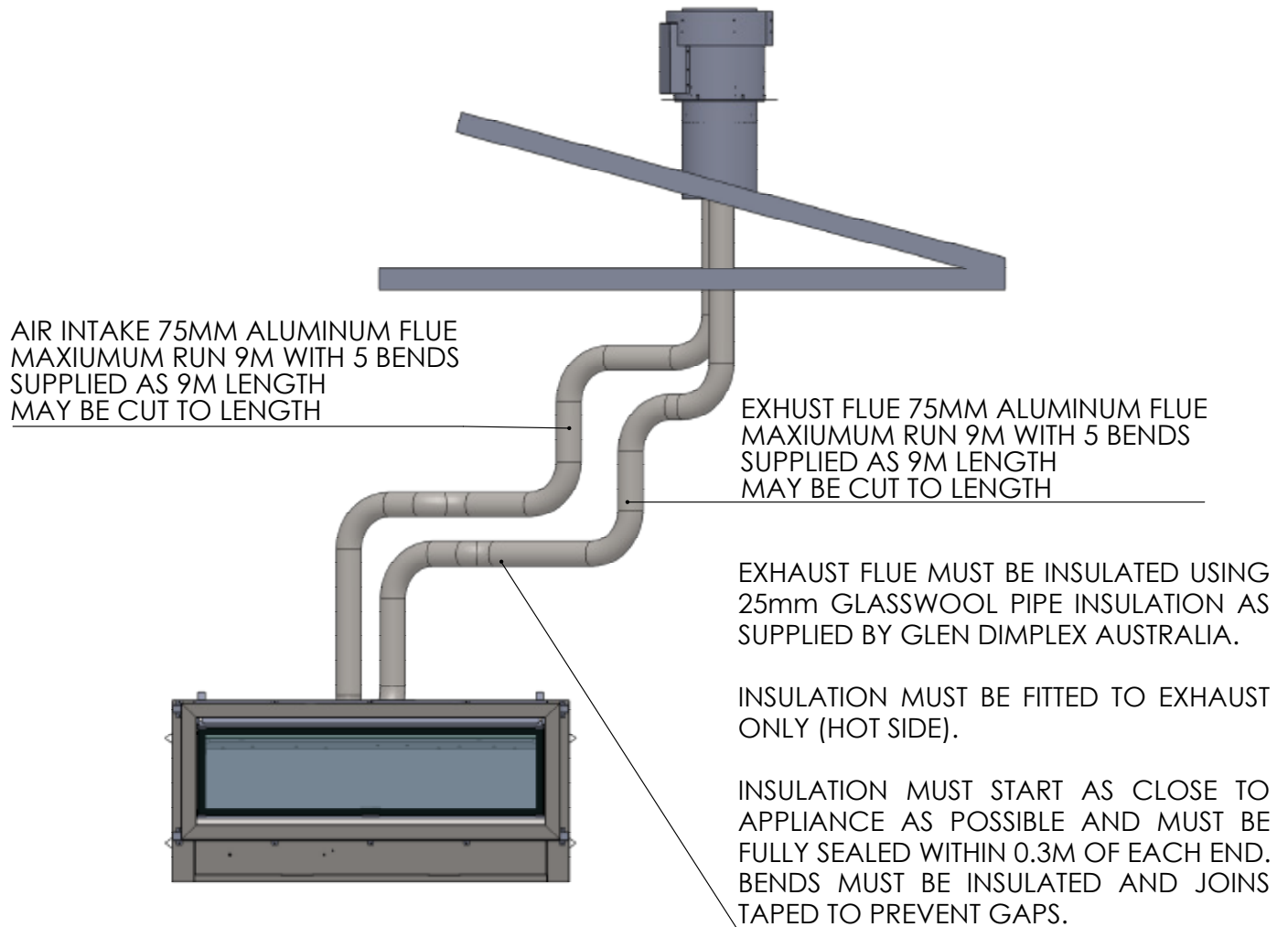
EXTREMELY IMPORTANT

- In heavy snow areas take extra care to prevent blocking flue termination with snow removal equipment.
- Flue gases exiting flue terminals are very hot and must not be restricted to assure fireplace combustion is not

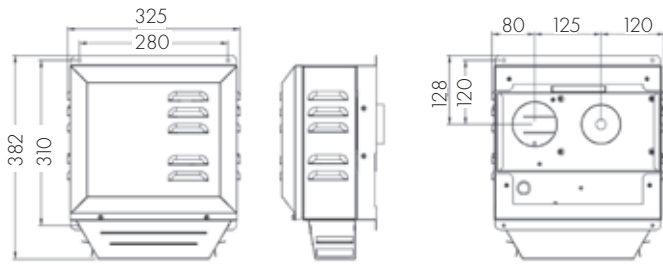
affected.

- Do not place, build any obstruction, plant any bushes or for any reason attempt to conceal the flue termination. To do so will affect the operation of the fireplace and may be hazardous.
- This unit must always vent directly to outdoors.

Flue runs 5m to 9m length rooftop termination with external motor



EXTERNAL WALL MOUNTED FAN MODULE INSTALLATION



1. Wall mounted fan module – terminal must be installed with clearances as specified by AS5601.1 Clause 6.9.3.
2. Run exhaust flue and air intake flue as required Maximum run 9m. Flues can be run next to each other. Maintain clearances to combustibles.3 .
3. Insulation Instructions-

Exhaust flue must be insulated using 25mm glass wool pipe insulation as supplied by Glen Dimplex Australia. Insulation must be fitted to exhaust (hot side only). Insulation must start as close to appliance as possible (within 300mm). Insulation must finish as close to discharge as possible (within 300mm). Insulation must run around bends. Insulation to be taped to ensure no gaps. Insulation may be fitted while running flue or at final stage of installation. (shown at flue stage in Instructions)

4. Connection to appliance



Cut tube to length where required.

Ensure ends are burr free and round, test fit flue will slide over connection.



Recommended Silicon
– Non-acetic, neutral cure 150°C or higher temperature rated.

Bostik RTV 926 or similar.

Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.



Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)

Fit flue clamp over flue (loosely).

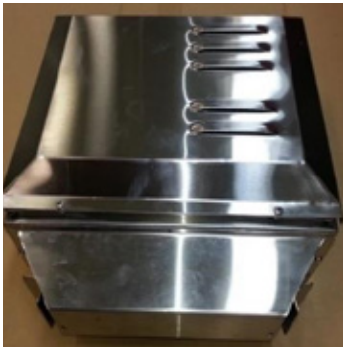


Slide flue onto connection spigot fully.

Tighten clamp fully.

Wipe excess silicon, visually check connection to ensure connection is fully sealed

5. Repeat above with air intake flue pipe to heater connection.
6. Clip flues as required to provide adequate support.
6. Connection to wall mounted fan terminal.



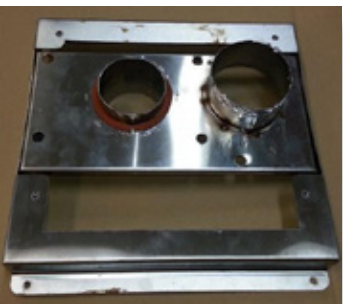
Remove cover from fan terminal

Remove main assembly from the rear wall mounting plate assembly.



Remove the 5 screws as shown. (Do not remove fan plate screws)

Lift off main fan terminal assembly.



Remove wall mount plate from flue connection plate.



Cut flue exhaust tube (hot tube) to length (Approximately flush with wall exit). Connection plate will sit against wall.

Cut Air intake flue.

Ensure ends are burr free and round, test fit flue will slide over connection.

Pull flue through approx. 100mm (will be pushed back once terminal is fitted).



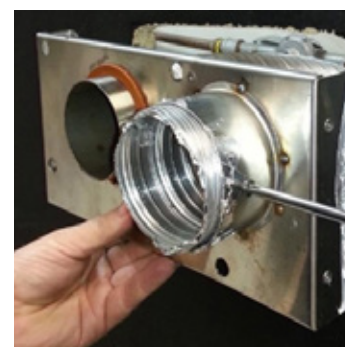
Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)

Fit flue clamp over flue (loosely).



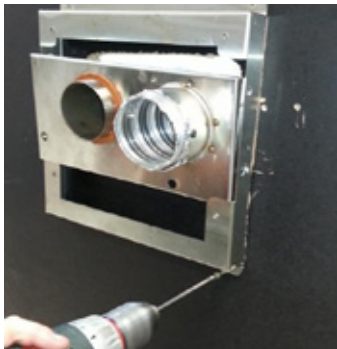
Slide flue onto connection spigot fully. Tighten clamp fully.

Wipe excess silicon, visually check connection to ensure connection is fully sealed.



Feed air intake flue pipe through location spigot and fit retaining screw.

Push connection plate into approximate position.



Locate wall mounting bracket into position and affix to wall.



Assemble spigot connection plate assembly to wall mounting bracket. (4 screws)



Feed power cable through bottom area of bracket.



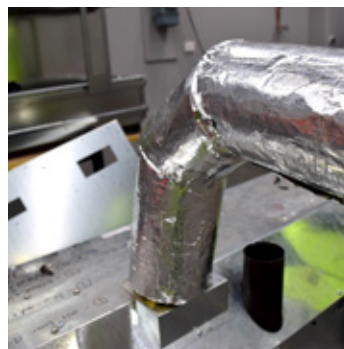
Assemble main body assembly onto wall mounting bracket, feed power cable through grommet hole prior to fitting. (refit 5 screws as shown and tighten) Main body assembly must sit flush up against the mounting bracket and seal.



Fit flue exhaust insulation

Insulated with 25mm foil faces glasswool pipe insulation, as supplied by Glen Dimplex Australia.

Insulation must start as close to the gas space heater as possible
(Only exhaust flue is to be insulated)



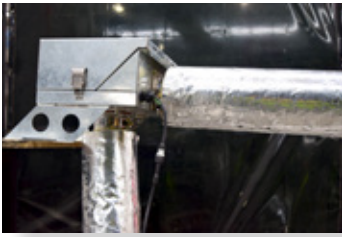
Insulation to be fully closed and sealed along length.



Bends were practical should be insulated, by cutting the insulation into segments and taping together.

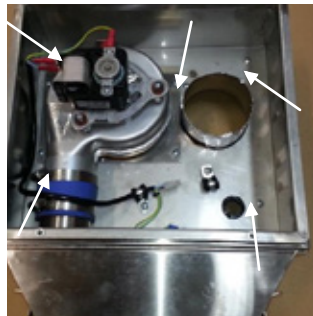


Joins can be taped together using aluminum foil self adhesive tape.



Insulation may be fitted prior and after the inline powerflue fan.

Failure to fit insulation on the exhaust flue may result in condensation failures with the appliance.



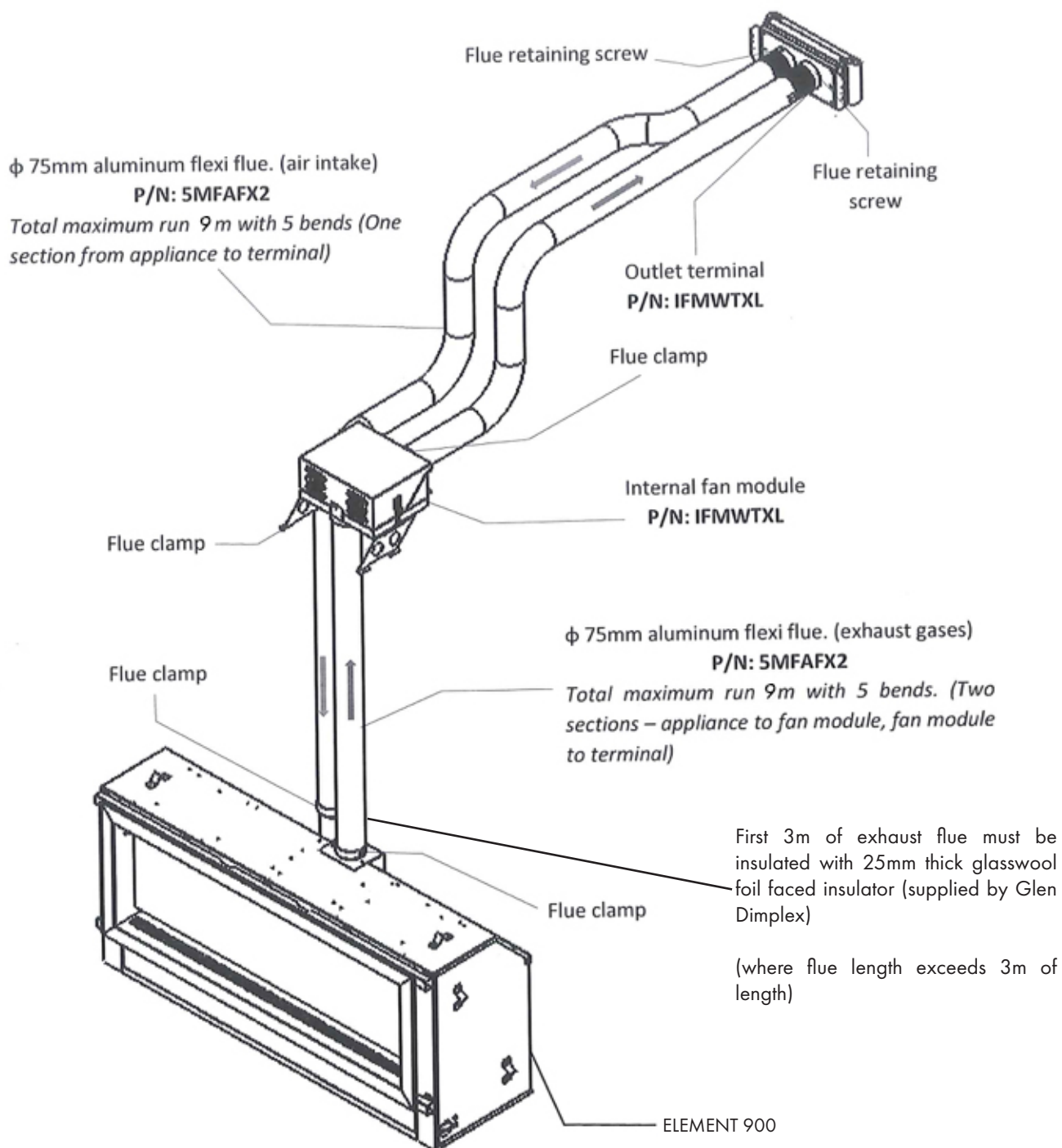
Connect power cable connector.

Fit cable clamp to cable.



Fit front cover.

5M-9M FLUE INTERNAL FAN AND WALL TERMINATION INSTALLATION



Setup with internal fan module with wall termination – appliance mounted

Maximum 9m flue length

Wall termination

1. Wall terminal must be installed with clearances as specified by AS5601.1-2013 Clause 6.9.3
2. Run exhaust flue and air intake flue as required – Maximum run 9m per flue. Flues can be run next to each other. Maintain clearances to combustibles.
3. Insulation Instructions-

Exhaust flue must be insulated using 25mm glass wool pipe insulation as supplied by Glen Dimplex Australia. Insulation must be fitted to exhaust (hot side only). Insulation must start as close to appliance as possible (within 300mm).

Insulation must finish as close to discharge as possible (within 300mm).

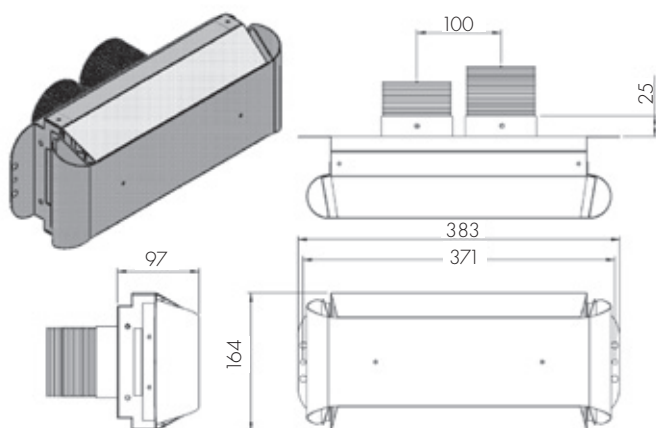
Insulation must run around bends.

Insulation to be taped to ensure no gaps.

Insulation may be fitted while running flue or at final stage of installation.

(shown at flue stage in Instructions)

4. Connection to appliance



Check 75mm flue piece for correct shape and fitment onto appliance spigot.

Ensure ends are burr free and round, test fit flue will slide over the connection.



Recommended Silicon – Non-acetic, neutral cure 150degc or higher temperature rated. Bostik RTV 926 or similar.

Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.



Apply an 8mm thick silicon bead fully around the lower fan connection spigot approx. 10mm from the end.



Apply an 8mm silicon bead fully around the inside of the flue end, both ends.



Turn fan assembly upside down and slide 65mm flue section fully onto spigot.

Fit flue clamp and tighten clamp fully.

Wipe excess silicon, visually check connection to ensure connection is fully sealed.



Fit 2nd flue clamp loosely onto the 65mm section of flue.

Lift fan assembly into appliance and locate onto flue connection. Insert fully. Locate fan in the required direction. Screw fan assembly down onto the appliance. (Screws prefitted into holes are located on the appliance for direct out back connection and 90° to right connection.)

(Note 90° left connection is not available and must be done using the 90° right connection fan location and placing a bend in the flue to head in the LH direction.)

Locate 2nd clamp onto lower connection and tighten clamp fully.

Wipe excess silicon, visually check connection to ensure connection is fully sealed.



Fit hot exhaust flue pipe from outlet termination to fan outlet connection.

Cut tube to length where required.

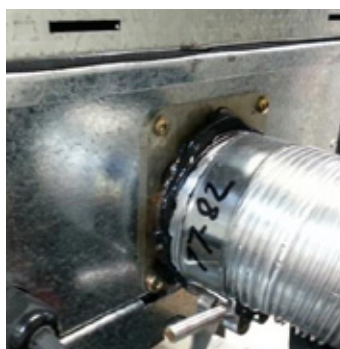
Ensure ends are burr free and round, test fit flue will slide over connection.



Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.

Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)

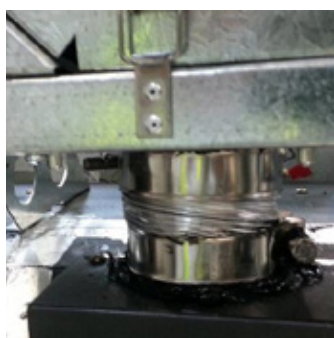
Fit flue clamp over flue (loosely).



Slide flue onto connection spigot fully.

Tighten clamp fully.

Wipe excess silicon, visually check connection to ensure connection is fully sealed.





Fit flue exhaust insulation

For all Element 900 installations using inline fan configurations (where flue length exceeds 3m), the first 3m (or up to 3m) of exhaust flue must be insulated with 25mm foil faces glasswool pipe insulation, as supplied by Glen Dimplex Australia.

Insulation must start as close to the gas space heater as possible
(Only exhaust flue is to be insulated)

Insulation to be run for the first 3m from the appliance. For flue runs shorter than 3m, discard extra insulation.



Insulation may be fitted prior and after the inline powerflue fan.

Failure to fit insulation on the exhaust flue may result in condensation failures with the appliance.



Insulation to be fully closed and sealed along length.



Connect power lead to fan module. Ensure lead is clipped to support where required.

Do not use connection to support lead.



Bends where practical should be insulated, by cutting the insulation into segments and taping together.



Fit air intake flue pipe to heater connection.

Cut tube to length where required.

Ensure ends are burr free and round, test fit flue will slide over connection.



Joins can be taped together using aluminum foil self adhesive tape.



Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.



Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)

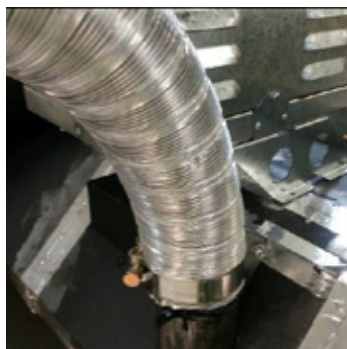
Fit flue clamp over flue (loosely).



Slide flue onto connection spigot fully.

Tighten clamp fully.

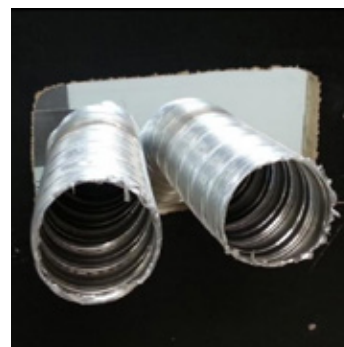
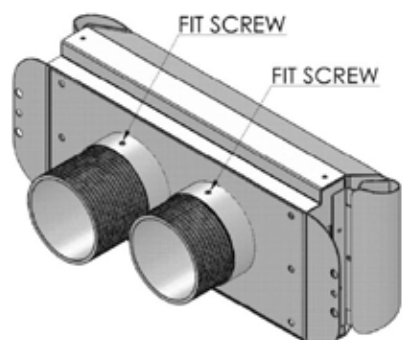
Wipe excess silicon, visually check connection to ensure connection is fully sealed



Clip flues as required to provide adequate support.

7. Connection to wall terminal

Loose fit connections (wall termination connections)



Locate terminal on wall and predrill mounting holes where required.

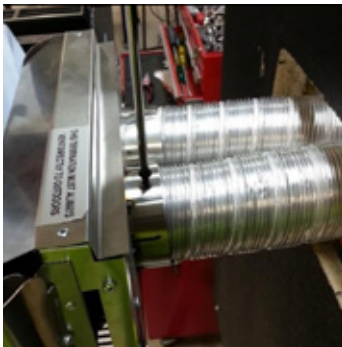
Cut flue exhaust tube (hot tube) to length (Flue must extend a minimum of 50mm past the exit face of wall.) It is recommended that the tubes are cut slightly longer and pushed back into wall upon fixing of wall terminal. Allow flue movement between terminal and last flue hanging clip.

Cut Air intake as per flue exhaust.

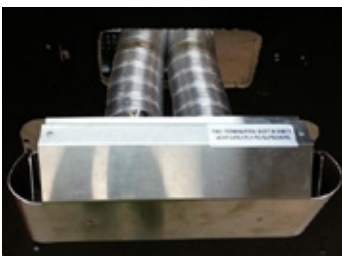
Ensure ends are burr free and round, test fit flue will slide inside both the hot exhaust connection and air intake connection.



Feed hot exhaust flue into connection, ensure inserted 50mm. Fit retaining screw from below.



Feed air intake flue into connection, ensure inserted 50mm. Fit retaining screw from below.



Push terminal into approximate position and affix onto wall.



Fit flue exhaust insulation

Insulated with 25mm foil faces glasswool pipe insulation, as supplied by Glen Dimplex Australia.

Insulation must start as close to the gas space heater as possible
(Only exhaust flue is to be insulated)



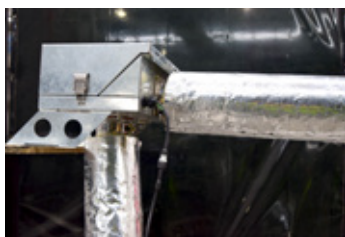
Insulation to be fully closed and sealed along length.



Bends were practical should be insulated, by cutting the insulation into segments and taping together.



Joins can be taped together using aluminum foil self adhesive tape.

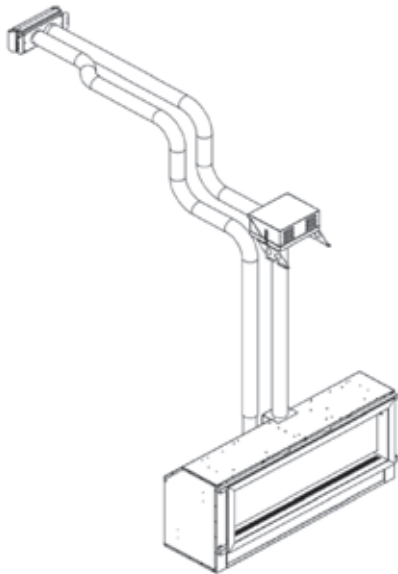


Insulation may be fitted prior and after the inline powerflue fan.

Failure to fit insulation on the exhaust flue may result in condensation failures with the appliance.

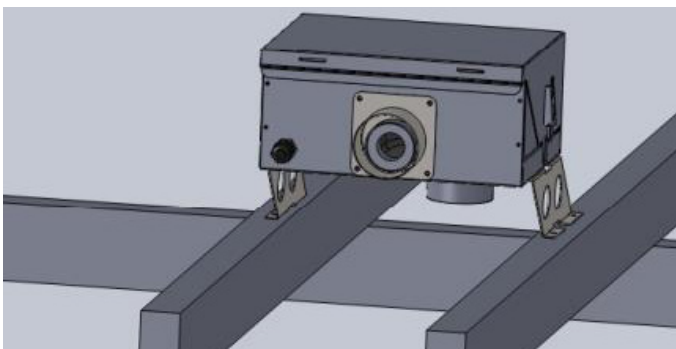
Setup with internal fan module with wall termination – mid flue mounted

Maximum 9m flue length



Wall termination

1. Wall terminal must be installed with clearances as specified by AS5601.1-2013 Clause 6.9.3
2. Run exhaust flue and air intake flue as required – Maximum total run 9m per flue. Flues can be run next to each other. Maintain clearances to combustibles.
3. Mount fan controller in the required location. (Access to the fan module is required for servicing, if the fan module is located inside a boxed frame, allow a 450 x 450 access panel).
4. Connection to fan module to appliance run flue from appliance to bottom entry on fan module. Support flue with brackets as required.



5. Insulation Instructions-

Exhaust flue must be insulated using 25mm glass wool pipe insulation as supplied by Glen Dimplex Australia. Insulation must be fitted to exhaust (hot side only). Insulation must start as close to appliance as possible (within 300mm). Insulation must finish as close to discharge as possible (within 300mm). Insulation must run around bends. Insulation to be taped to ensure no gaps. Insulation may be fitted while running flue or at final stage of installation. (shown at flue stage in Instructions)



Cut tube to length where required.

Ensure ends are burr free and round, test fit flue will slide over connection.



Apply an 8mm thick silicon bead fully around heater connection approx. 10mm from the top.



Apply an 8mm silicon bead fully around the inside of the flue end (heater connection end)

Fit flue clamp over flue (loosely).