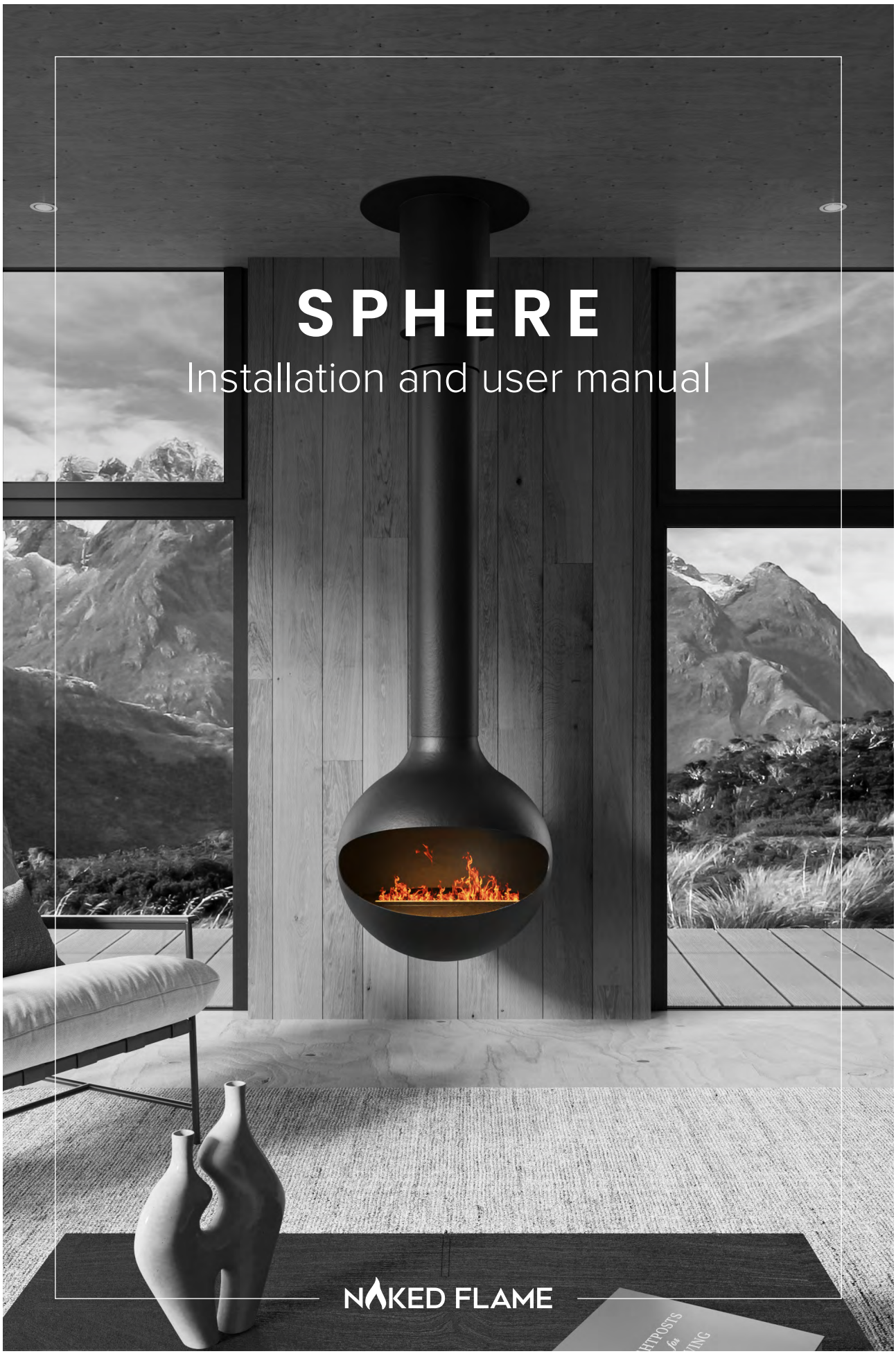
SPHERE
Installation and user manual
NAKED FLAME

Thank you for your purchase of a Naked Flame Suspended Fire. We put a lot of care and craftsmanship into each of our fires to ensure years of trouble free heating.

Your fireplace is designed to be run either on BioEthanol or Gas, Wood or Electric. Please read carefully the parts of this manual that apply to your specific fuel choice. If you have any questions about any part of this install manual, please feel free to get in touch.

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Keep for future use.

1. IMPORTANT INFORMATION

Young children, elderly or infirm should be supervised to ensure that they are careful with the appliance.

Clothing and other flammable materials should never be placed near the appliance.

Please note that parts (near the flame) of this appliance, particularly the steel surrounding, all panels to the face or around the front, become extremely hot during operation and can result in serious injury and burns if touched.

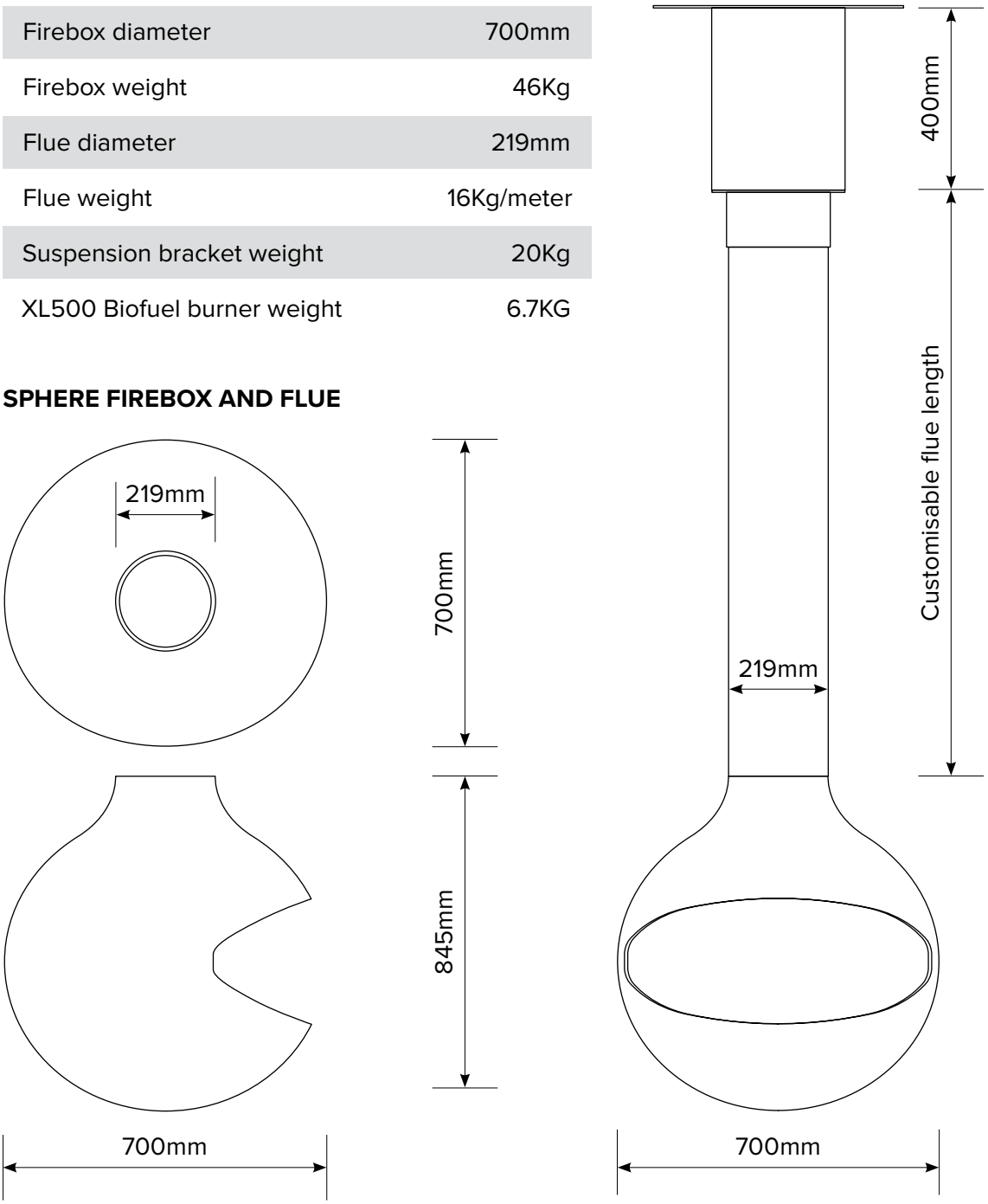
During the installation of this appliance, it may be necessary to manually handle heavy components (greater than 25kg). It is the installer's responsibility to ensure appropriate manual-handling techniques are employed.

2.
TECHNICAL INFORMATION

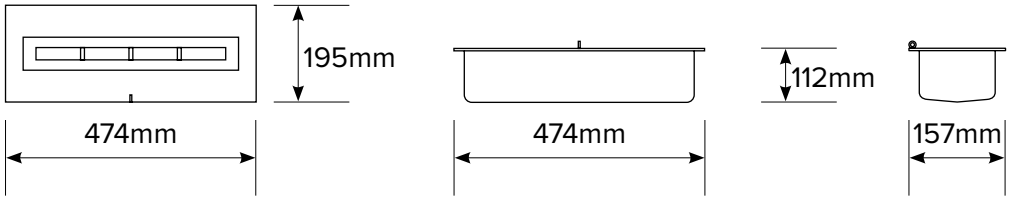
WEIGHTS AND DIMENSIONS

Firebox diameter	700mm
Firebox weight	46Kg
Flue diameter	219mm
Flue weight	16Kg/meter
Suspension bracket weight	20Kg
XL500 Biofuel burner weight	6.7KG

SPHERE FIREBOX AND FLUE



XL500 BIOFUEL BURNER



FEATURES

SUSPENDED FIRE

- 360 degree rotation system
- Flue length: Custom
- Material: 4mm cold rolled steel
- Finish colour: Black

XL500 BIOFUEL BURNER

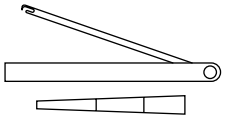
- Heat output: 3.35KW/H
- Fuel capacity: 5L
- Fuel consumption: 0.5 L/h
- Burn time: 10 - 13 hours (approx)
- Minimum room size: 80 cubic metres
- Material: 304 Stainless Steel
- Colour: Stainless Steel

*The efficiency data outlined above is indicative only and may vary depending on, weather conditions, installation and biofuel used.

INCLUDED ACCESSORIES

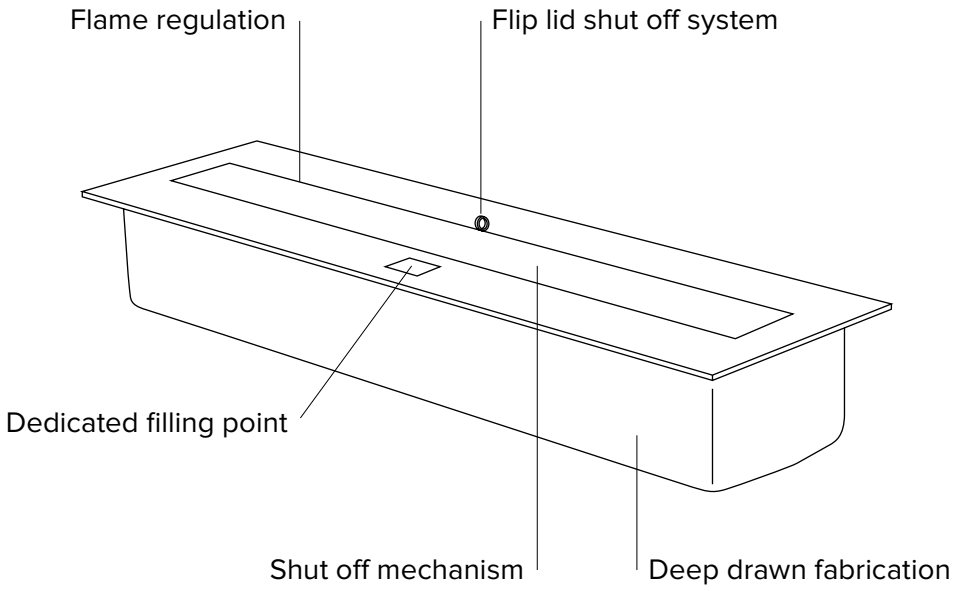
(Biofuel option only)

Fuel and safety nozzle

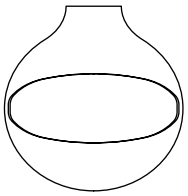
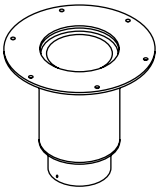
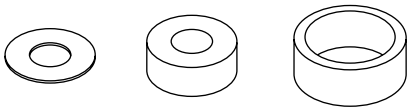
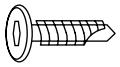
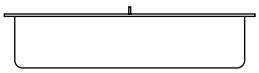


Lighting rod and lighter

XL500 BIOFUEL BURNER

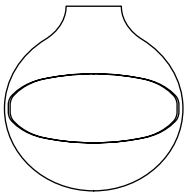
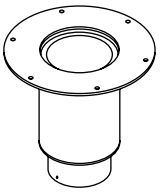
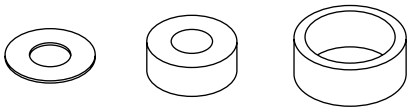
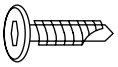
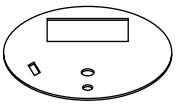
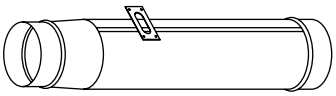
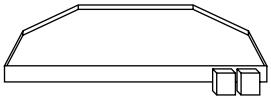


PARTS LIST - BIOFUEL OPTION

Sphere firebox		x1
Flue pipe		x1
Suspension bracket		x1
Bearing Kit (Washer, Bearing, Protective Jacket)		x2
M12 nut		x2
Screw		x6
XL500 Biofuel burner		x1

NOTE: *Installer to supply the following: M12 bolts, washers, nuts, etc for fixing suspension bracket.*

PARTS LIST - GAS OPTION

Sphere firebox		x1
Flue pipe		x1
Suspension bracket		x1
Bearing Kit (Washer, Bearing, Protective Jacket)		x2
M12 nut		x2
Screw		x6
Gas burner mount plate		x1
Flue adaptor		x1
Gas fire		x1

NOTE: *Installer to supply the following: All flue and roof penetration requirements form above the flue adaptor. Gas and power supply. M12 bolts, washers, nuts, etc for fixing suspension bracket.*

Installation to be carried out in accordance with NZS5601.1:2103v

3.
PRE-INSTALLATION

PRE-INSTALLATION

This appliance should be installed and checked by a qualified professional. Ensure you have read the operation guidelines thoroughly prior to first use. For any questions or concerns please contact Naked Flame on 0800 468 836.

The installation process is outlined below:

– Determine position of firebox and flue carefully observing the clearances described within this section

– Install the suspension bracket

– Install the flue pipe and engage the firebox

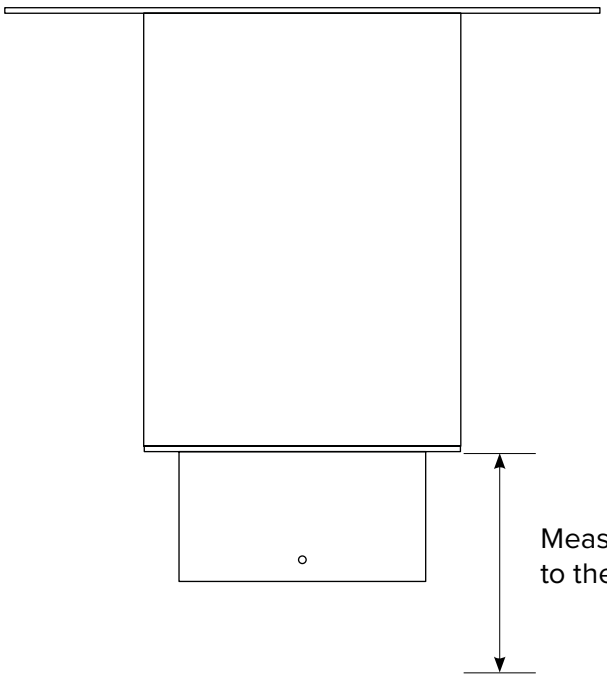
Calculating flue/ chimney length

– Firstly install the suspension bracket within a subframe in the ceiling space (refer page 16 / 17), and check this is installed straight and vertical.

– Measure from the point shown (refer to drawing below) to the floor. Deduct 400mm + 845mm (height of the fireplace), making a total deduction of 1245mm from the height of the floor.

– Cut your chimney to length using an angle grinder with a cutting disc.

– Please ensure appropriate safety gear is used, and that the end with the thread attached is not cut. The cut end does not need to be perfect as it will be hidden in the ceiling bracket.



PRE-INSTALLATION

CAUTION

Using components or parts other than those provided by the manufacturer or modifying the specification of components may result in inferior or unsafe operation. If such action is necessary, consult Naked Flame in the first instance.

WARNING

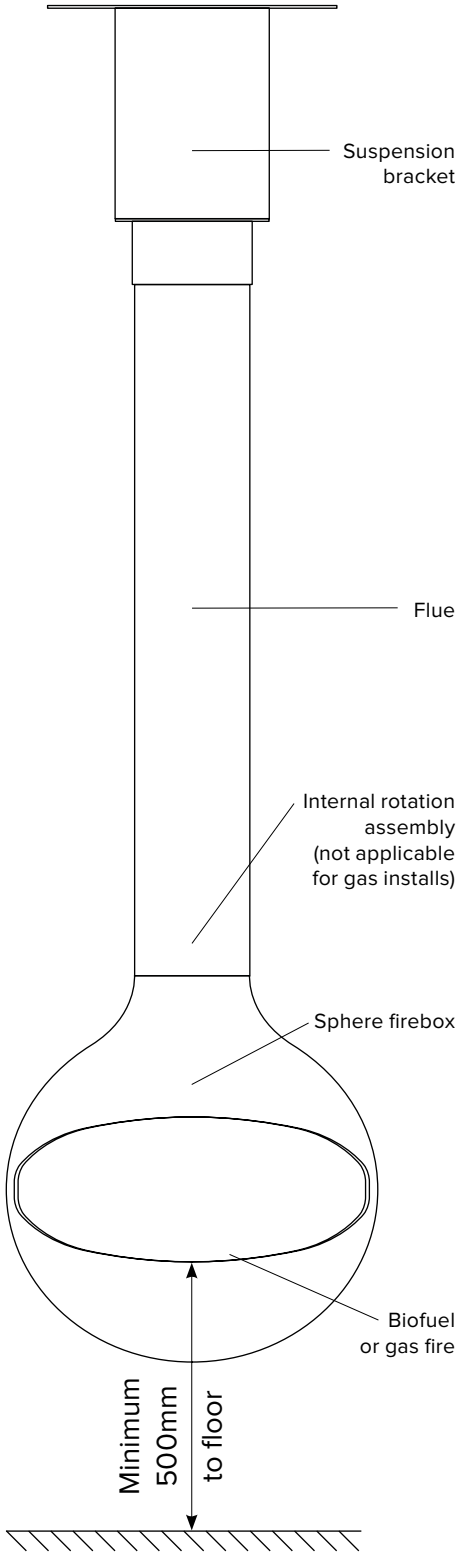
For Gas option, this appliance and flue system must be installed in accordance with AS/NZS 5601.1:2013 by a suitably qualified person/s and in accordance with these instructions. Failure to do so may void warranty and could be dangerous.

For Biofuel option, this appliance and flue system must be installed by a suitably qualified person/s and in accordance with these instructions. Failure to do so may void warranty and could be dangerous.

It is up to the architect / designer / installer to determine that the ceiling structure where the fireplace is to be hung, can hold a weight of up to 350kg.

Note: The fireplace does not weigh 350kg, this is to allow for the pendulum effect / side motion.

Once the flue has been installed and approved by a professional installer, the flue must not be modified in any way.

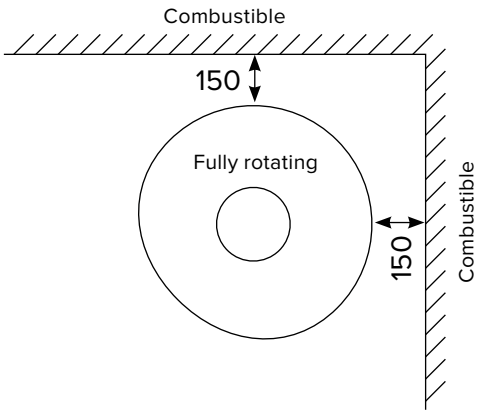


PRE-INSTALLATION

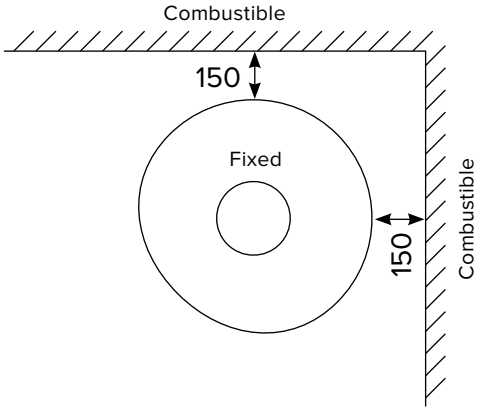
MINIMUM CLEARANCE

Clearance from combustible surfaces (eg timber joist & plasterboard)

150mm minimum clearance is required if the firebox rotates.

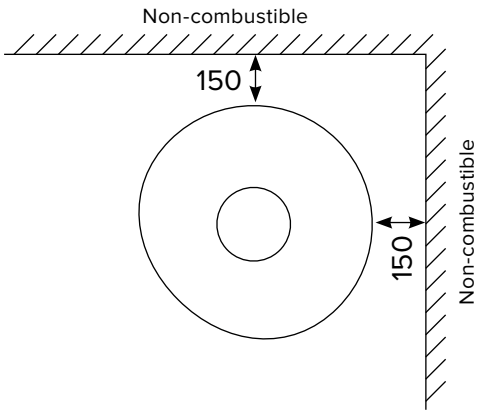


150mm minimum clearance is required if the firebox is fixed and does not rotate.



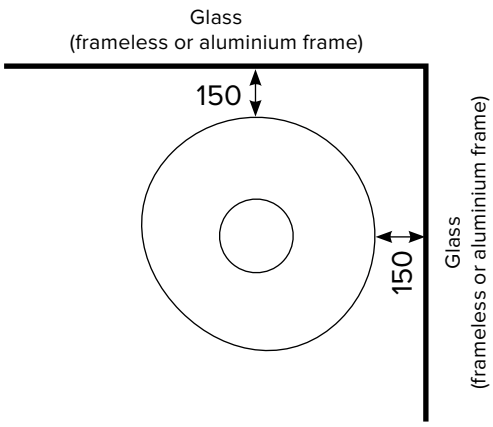
Clearance from non-combustible surfaces (eg masonry)

150mm minimum clearance is required from fully non-combustible surfaces.



Clearance from glass

150mm minimum clearance is required from normal non-combustible or toughened glass.



IMPORTANT

Frames must also be considered. Timber window frames must be treated as combustible surfaces. Aluminium frames can be treated as non-combustible surfaces. Clearances may be reduced with the application of heat shielding to walls in accordance to the New Zealand Building Code.

For information on heat shielding please contact our office on 0800 468836 or email sales@nakedflame.nz

4.
INSTALLATION

INSTALLATION

1. Ensure all components are correct and undamaged 7 - 8

2. Biofuel option

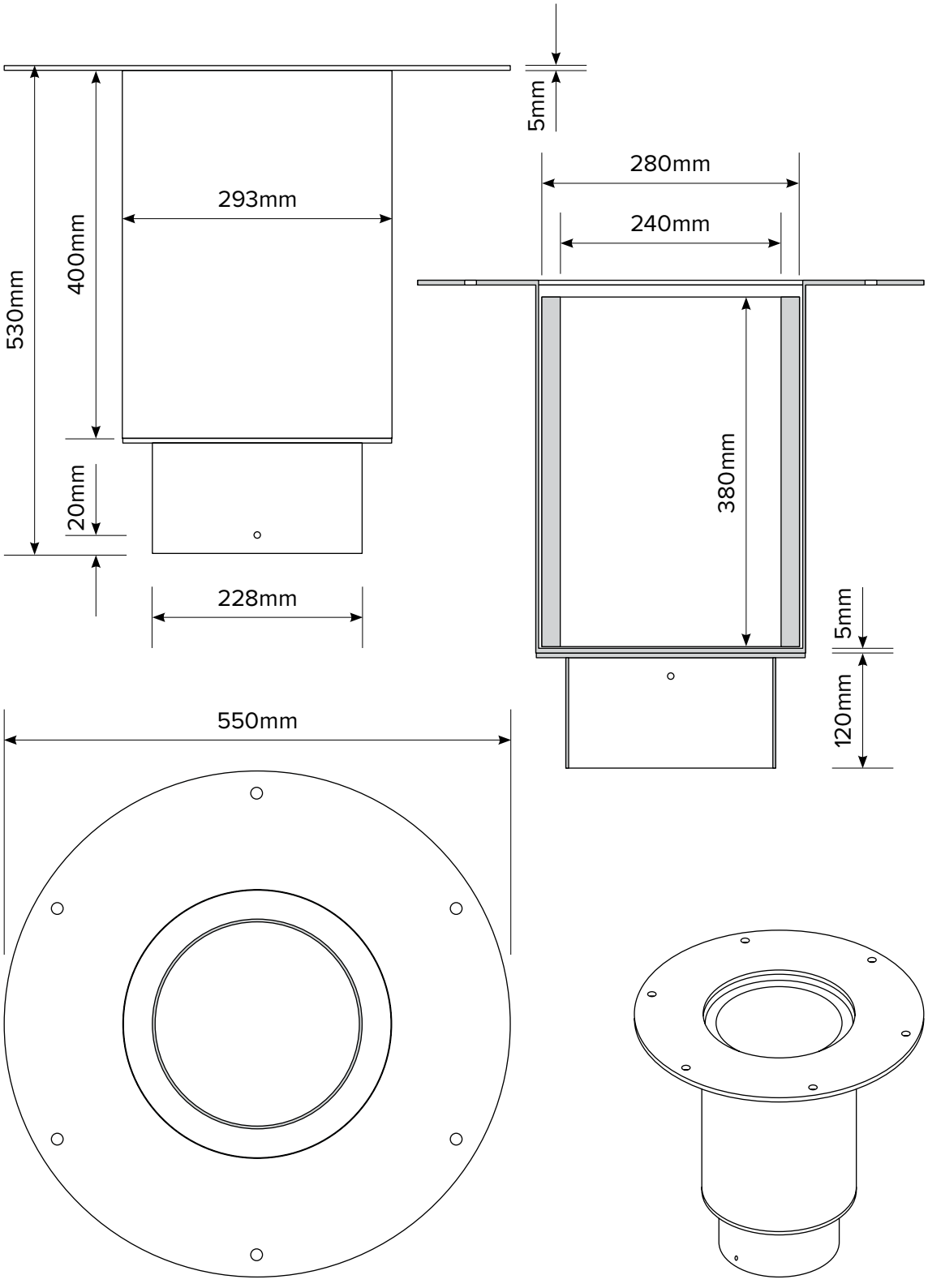
- Suspension bracket dimensions 15
- Install suspension bracket 16 - 17
- Attach flue to suspension bracket 18
- Connect firebox to flue 19
- Install biofuel fire 23
- Test biofuel fire is oporating normally 23
- Show owner how to operate the biofuel fire 25

3. Gas option

- Suspension bracket dimensions 20
- Install suspension bracket 21-22
- Attach flue to suspension bracket 23
- Install the gas burner and decorative media 23
- Test the gas fire is operating normally 23
- Show owner how to operate the fireplace 25

INSTALLATION - BIOFUEL OPTION

Suspension bracket dimensions



INSTALLATION - BIOFUEL OPTION

Installing the suspension bracket

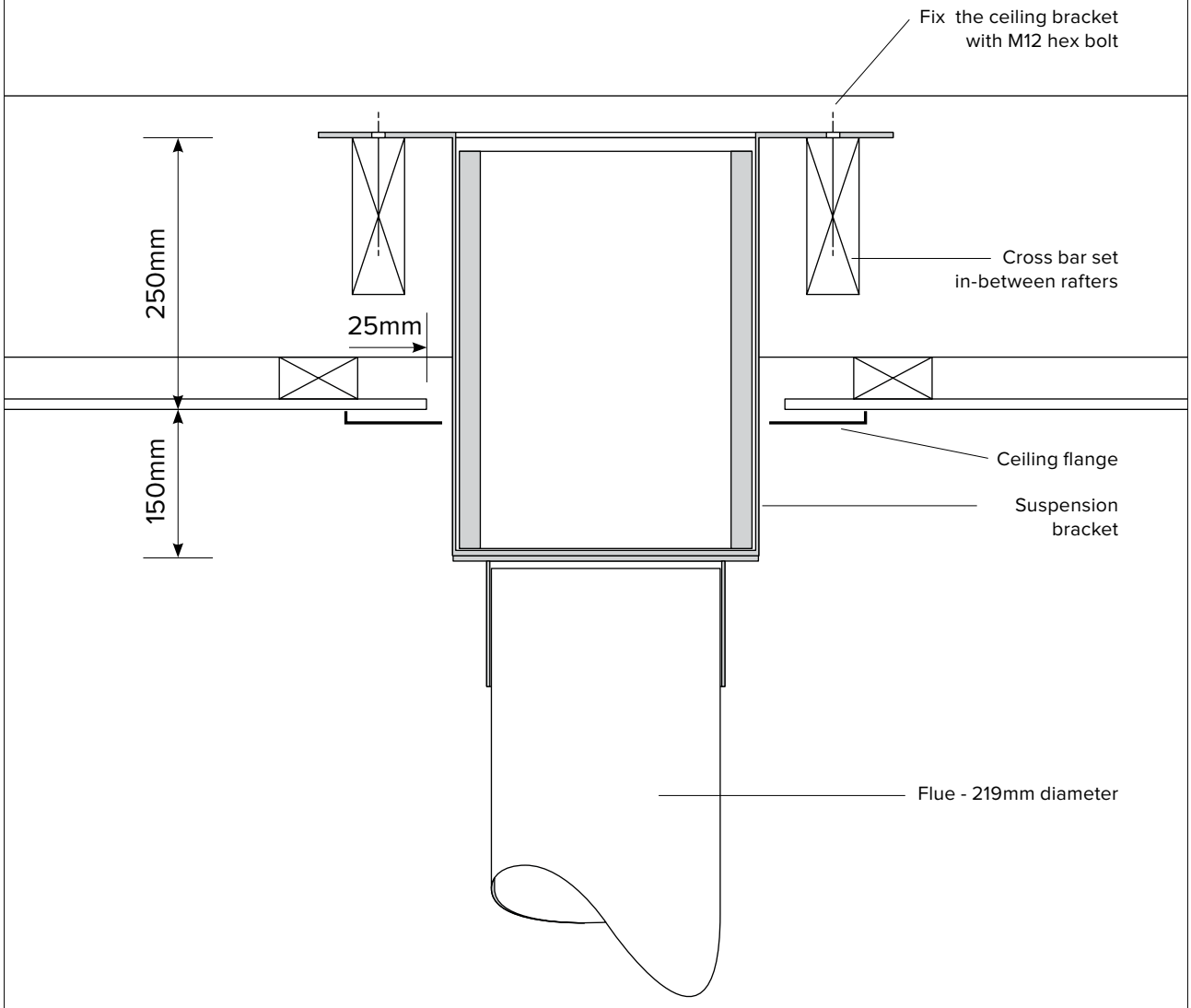
– The bracket must be structurally secured within the roof as shown in the diagram below.

– Install the suspension bracket with M12 hex bolts.

– The wider section of the ceiling / suspension bracket must project down from the ceiling by at least 150mm, unless the ceiling is made from a non-combustible material such as concrete. The wider section of the ceiling bracket has a fire rated insulation layer to protect heat projection to the ceiling gib.

– You must leave a 25mm clearance gap between the bracket and the ceiling. This gap will be covered by the ceiling flange.

– 25mm minimum clearance from the bracket to any combustible material within the roof space.



INSTALLATION - BIOFUEL OPTION

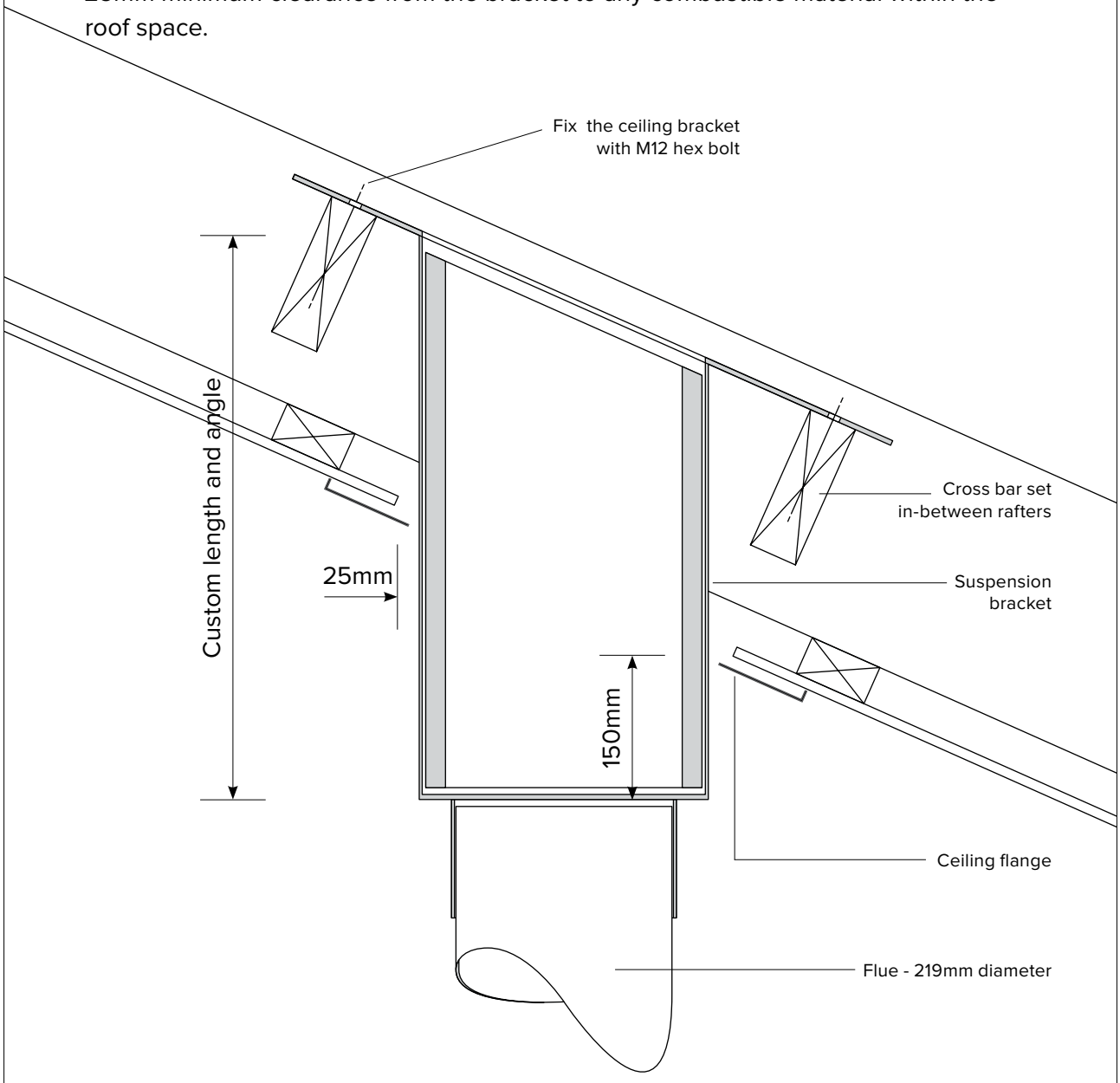
Installing the suspension bracket - Pitched roof

– The bracket must be structurally secured within the roof as shown in the diagram below.

– The wider section of the ceiling / suspension bracket must project down from the ceiling by at least 150mm, unless the ceiling is made from a non-combustible material such as concrete. The wider section of the ceiling bracket has a fire rated insulation layer to protect heat projection to the ceiling gib.

– You must leave a 25mm clearance gap between the bracket and the ceiling. This gap will be covered by the ceiling flange.

– 25mm minimum clearance from the bracket to any combustible material within the roof space.



INSTALLATION - BIOFUEL OPTION

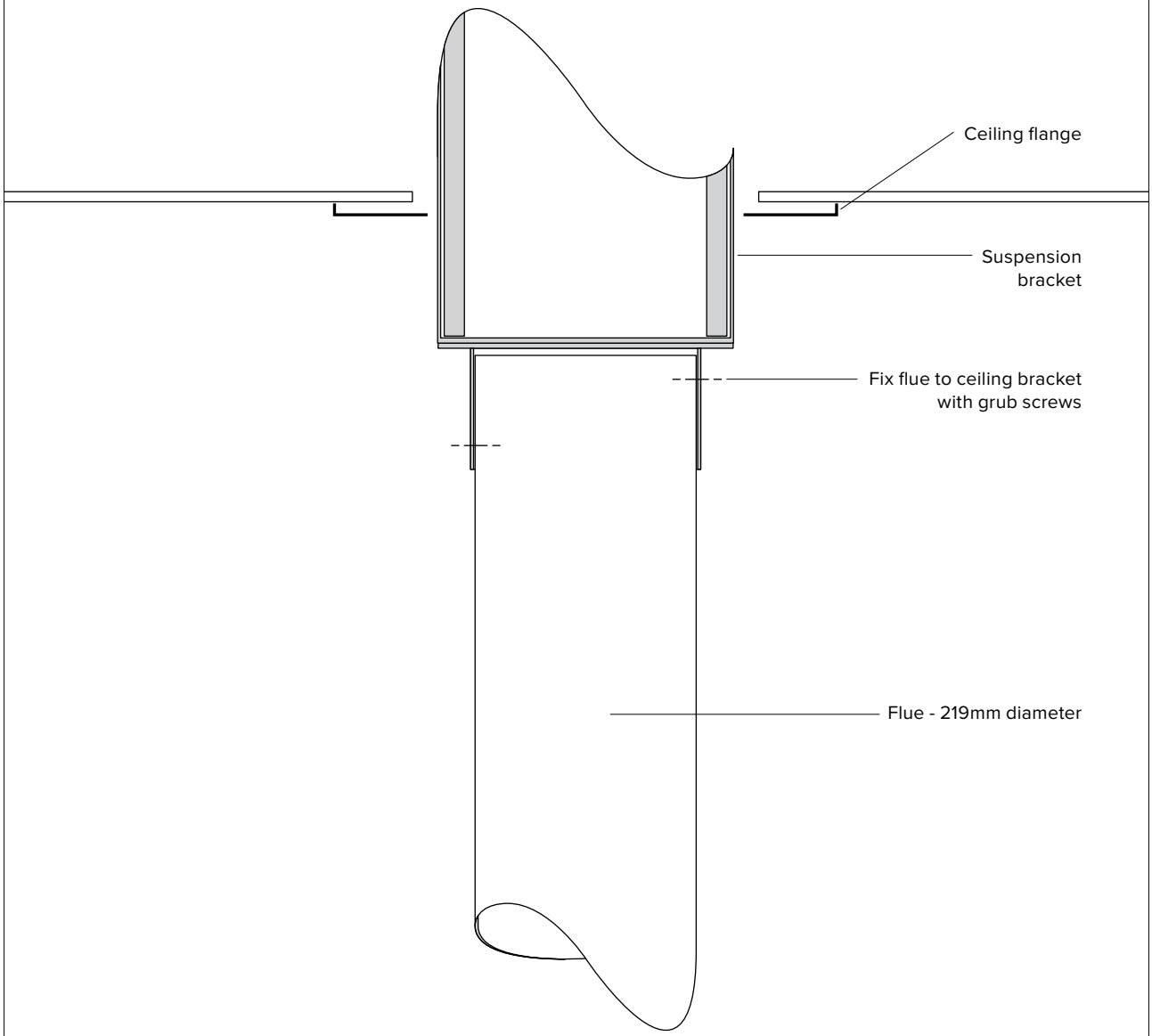
Attaching flue to suspension bracket

– Position the flue inside the suspension bracket. Ensure this is vertical and straight.

– Ensure to bottom has the threadedrod, and be careful not to damage thread on install.

– Insert and tighten the grub screws. Pre drilling is recommended. Paint grub screw heads black before inserting.

– Ensure that the flue is perfectly vertical and the grub screws are tight.

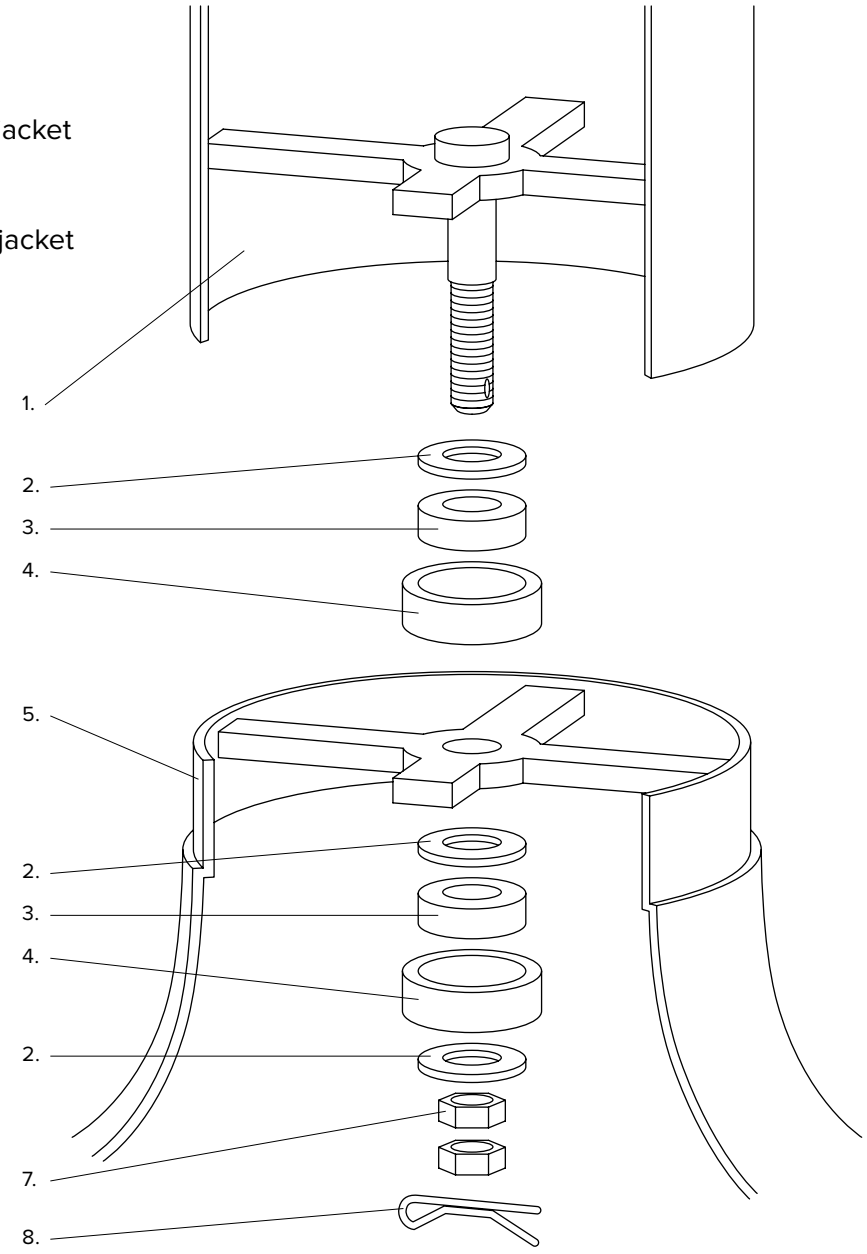


INSTALLATION - BIOFUEL OPTION

Not applicable for gas as this is pre done at factory.

Attaching firebox to flue

1. Flue 219mm diameter
2. Washer
3. Bearing
4. Bearing protective jacket
5. Firebox
6. Bearing protective jacket
7. M12 nuts
8. Pin



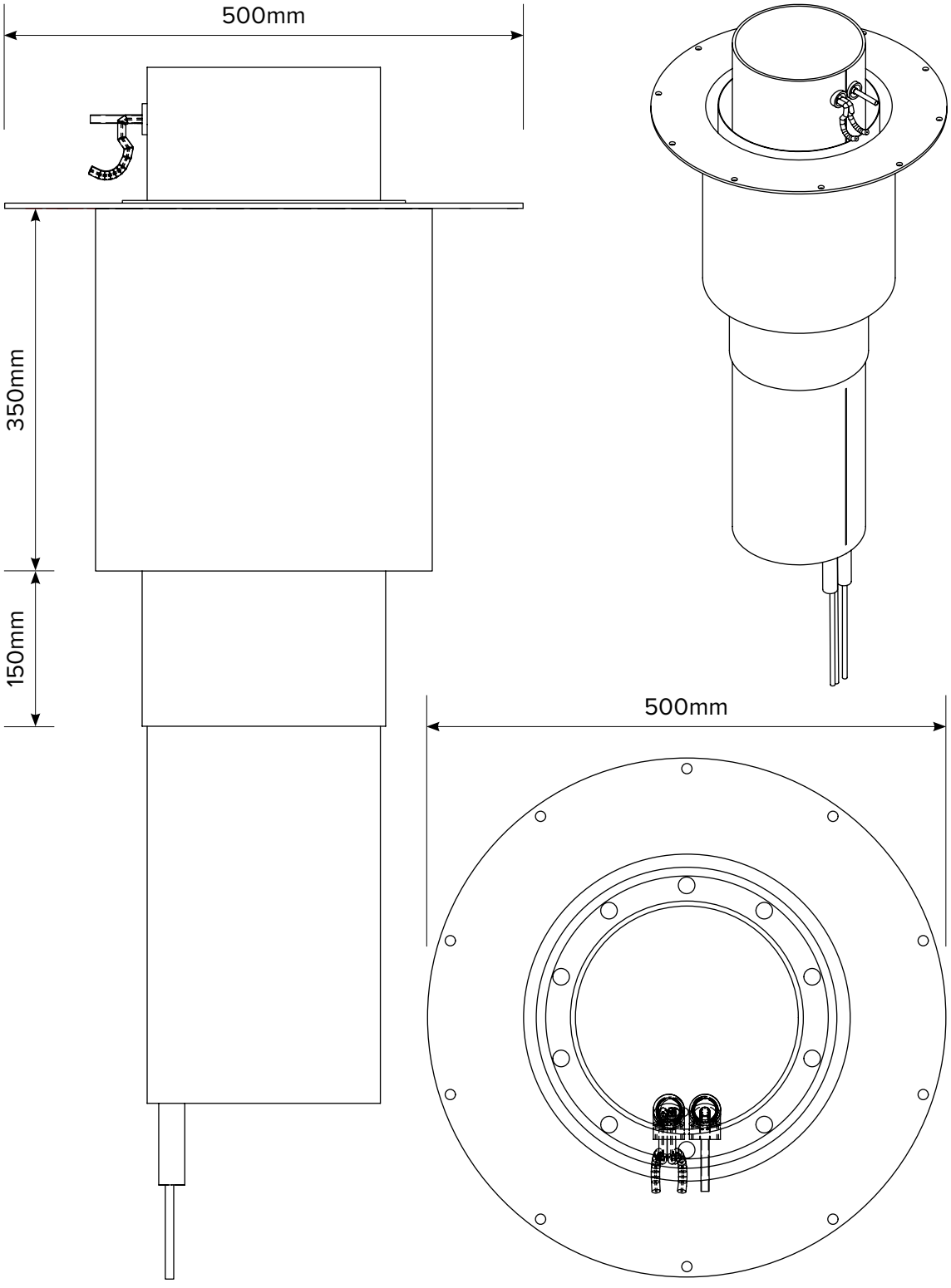
NOTE

Do not completely unwrap the firebox until it is fixed to the flue. This will help avoid scratches while fixing.

If the firebox is to be locked in a fixed position, tighten the first nut until the firebox is unable to rotate.

INSTALLATION - GAS OPTION

Suspension bracket dimensions



INSTALLATION - GAS OPTION

It is recommended to have an electrician install a single phase 220V power point inthe ceiling space 500mm or more away from intended install area so connection to power can be achievedwithout a return trip by the electrician.

Electric installation requires a power point in the ceiling space, install as per biofuel option, and the power lead will run inside thefl ue and into the fire bowl.

Wood installation is an untested appliance and will need to be installed asper NZS2918 untested appliances. Please also check with your local council as these are open fronted woodburners which are disallowed in many areas.

Installing the suspension bracket

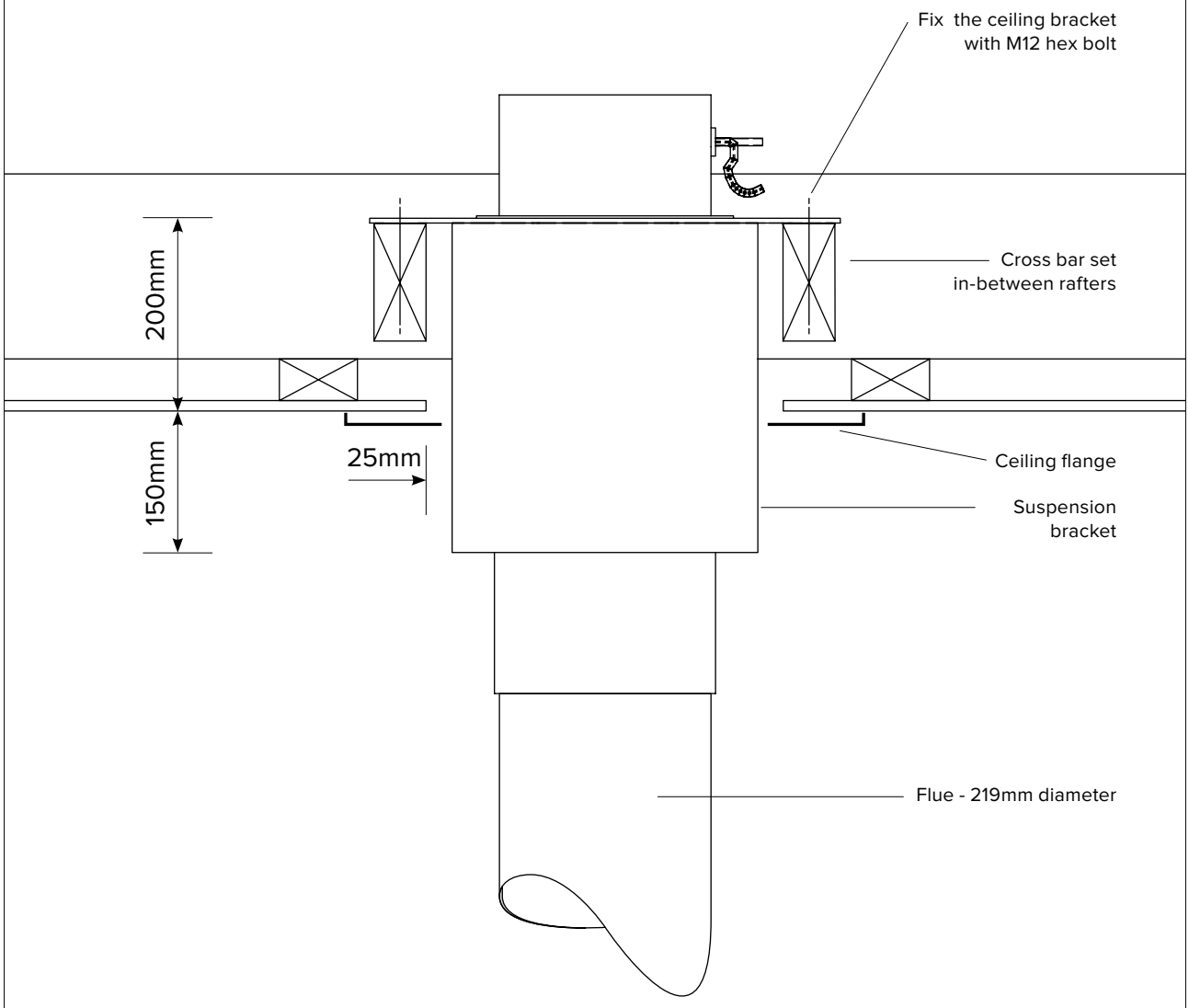
– The bracket must be structurally secured within the roof as shown in the diagram below.

– Install the suspension bracket with M12 hex bolts.

– The wider section of the ceiling / suspension bracket must project down from the ceiling by at least 150mm, unless the ceiling is made from a non-combustible material such as concrete. The wider section of the ceiling bracket has a fire rated insulation layer to protect heat projection to the ceiling gib.

– You must leave a 25mm clearance gap between the bracket and the ceiling. This gap will be covered by the ceiling flange.

– 25mm minimum clearance from the bracket to any combustible material within the roof space.


Fix the ceiling bracket with M12 hex bolt
Cross bar set in-between rafters
200mm
150mm
25mm
Ceiling flange
Suspension bracket
Flue - 219mm diameter

INSTALLATION - GAS OPTION

Adaptor instructions

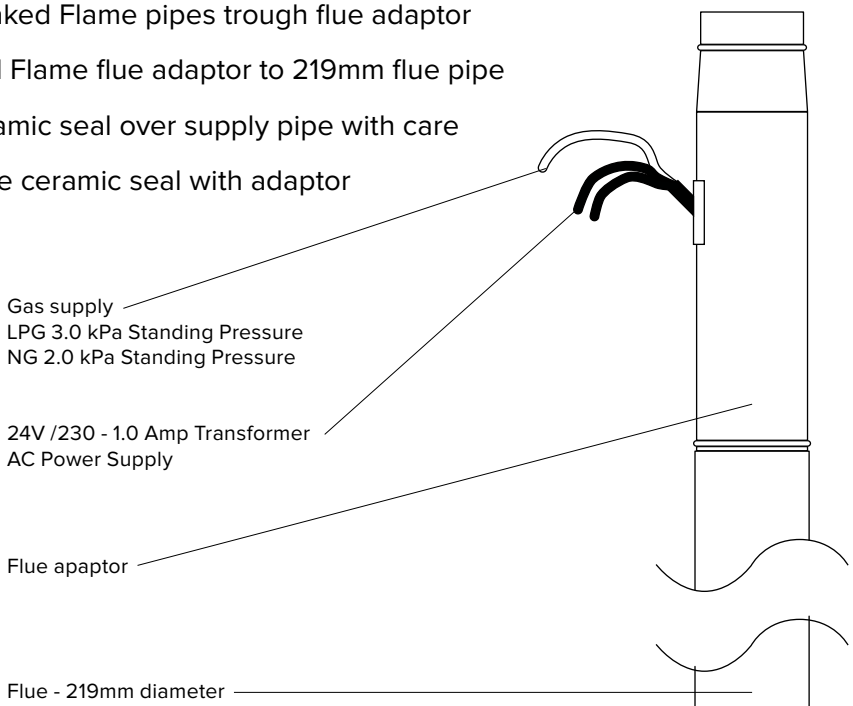
– Cut Naked Flame flue adaptor to length once Naked Flame fireplace mounted and secured

– Locate Naked Flame pipes trough flue adaptor

– Fix Naked Flame flue adaptor to 219mm flue pipe

– Place ceramic seal over supply pipe with care

– Secure the ceramic seal with adaptor



Gas Burner and Connections

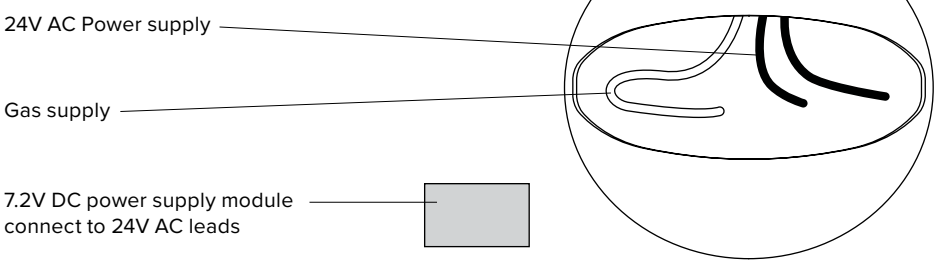
– Connect female gas supply 10mm flare nut behind burner

– Mount 7.2V DC power supply module connect to 24V AC leads

– Connect female gas supply 10mm flare nut behind burner

– Install the gas burner and decorative media

– Test the gas fire is operating normally



5.
OPERATION

OPERATION

Following these operating instructions, show the owner how to operate the fire. If the owner is not available, leave this manual by the appliance and any relevant manuals from suppliers such as ethanol burner manuals or gas operation manuals.

BIOFUEL OPTION

Lighting the fire

Attach safety nozzle to fuel container.

Fill the fire through the dedicated filling point.

Flip open lid and dip Lighting Rod into fuel.

Move Lighting Rod away from fire and light.

Move lit Lighting Rod to fire and light fuel.

NOTE

Biofuel fires use clean-burning bioethanol, a 100% heat efficient fuel that produces no smoke, so you don't need a chimney, a consent or any emissions testing.

You can turn your EcoSmart Fire burner off at any given time, even if there is bioethanol still left in the burner. It is recommended however, that you leave it to burn until it completely runs out. The shut off mechanism is there for security and safety for those times when you need to leave the house, as it is not safe to leave a fire unattended. Please wait 60 minutes before relighting the ethanol after extinguishing it to let the bioethanol cool. Built up vapours may cause a strong, initial ignition if the ethanol has not cooled long enough.

WARNING

Do not use flammable liquids or aerosols in the vicinity of the fireplace when operating. Do not store fuel within prescribed installation clearance distances.

GAS OPTION

Refer to gas fire manual.

Where a third party has been engaged to retrofit an appliance with gas, the warranty of that company comes into play for products or components they have supplied.

6.
WARRANTY

WARRANTY

Full 3 year replacement guarantee.

Naked Flame is a Brand Name and division of Design Concepts NZ Ltd.

We at Design Concepts / Naked Flame do offer a full Money back 3 year Guarantee on any faulty product (excluding return freight costs).

Money will only be refunded once we receive the item being returned back.

Contact must also be made within 7 days or receiving the product if you are not 100% satisfied for any reason due to a damage or faulty goods issue.

Any items specially ordered in for a customer can not be returned, unless they are willing to forfeit any freight costs incurred.

We do have the right to replace parts at our cost if anything seems to be missing from your order or a small part is damaged and can be replaced.

If it is evident that there has been intentional damage, accidental damage, abuse or negligence in any way on your part then please contact us as we will not replace the item for free, but as an existing customer we will try and help with a reduced cost of replacement.

Disclaimer - We at Design Concepts / Naked Flame do not hold any responsibility for any damage caused to property or person due to the use of these products.

We have tested them thoroughly and believe them to be 100% safe, but fire is fire and can burn and cause damage and harm if not treated responsibly.

By purchasing any product off us you understand that it is your responsibility to ensure safe use, and to ensure the safety of yourself and others using the fires or that are near an open flame. Bio Fuel is a flammable liquid and must be treated as such.

Where a third party has been engaged to retrofit an appliance with gas, the warranty of that company comes into play for products or components they have supplied.

Manufacturers installation instructions and guidelines must be strictly adhered to or warranty could be void. Manufacturers warranties will apply dependant on the product purchased.

We are a friendly bunch of people that will always go above and beyond to satisfy every customer, we just ask that you share the love of Naked Flame Fires and enjoy them for many years to come.

Disclaimer.

This document is to be used as a guide only.

Naked Flame accepts no responsibility for loss or damage caused by improper use or installation of this product.

The information within this document is subject to change at discretion of Naked Flame.

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