



**nectre.**

**N15**

## **INSTALLATION INSTRUCTIONS**

**EFFICIENT • WARM • FRIENDLY**



**NECTRE N15 LEGS**



**NECTRE N15 PEDESTAL**



**NECTRE N15 WOODSTACKER**



**Australian Home Heating**  
Association Inc.



**Landcare**  
Australia

Glen Dimplex Australia proudly supports the activities of Landcare Australia through its membership of the AHHA.

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**THE INSTALLATION INSTRUCTIONS IN THIS MANUAL APPLY TO THE NECTRE N15 (LE).**

IT HAS BEEN TESTED FOR EMISSIONS AND EFFICIENCY AND COMPLIES ACCORDING TO AS/NZS 4012:2014 & AS/NZS 4013:2014.

IT HAS ALSO BEEN TESTED FOR SAFETY INSTALLATION CLEARANCES IN ACCORDANCE WITH AS/NZS 2918:2018

## 1. IMPORTANT INFORMATION

Most building regulatory Authorities in Australia require any wood heater installation to comply with Installation Standard AS/NZS 2918:2018. Different states and councils may have varying regulations. Check local building regulations before installing the appliance.

All Nectre wood heaters have been tested to ensure that they will meet the appropriate safety Standard requirements if the instructions in this manual are followed. As the safety and emissions performance can be affected by altering the appliance, no modifications are allowed without written permission from the manufacturer.

**WE RECOMMEND THAT THE INSTALLATION OF YOUR NECTRE WOOD HEATER BE CARRIED OUT BY A QUALIFIED INSTALLER.**

**WARNING: THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918:2018 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.**

**WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4012 & AS/NZS 4013 WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING 'TESTED TO AS/NZS 4012 & AS/NZS 4013'.**

**ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4012 & AS/NZS 4013.**

**CAUTION: MIXING OF APPLIANCE OR FLUE-SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.**

**CAUTION: CRACKED AND BROKEN COMPONENTS, EG. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.**

## 2. INSTALLING THE HEATER

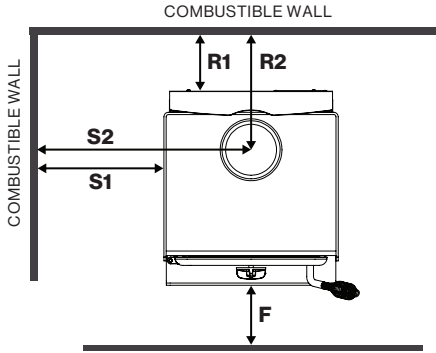
### 2.1. POSITIONING THE HEATER

First review the necessary clearances specified on the following page before considering where to position the heater.

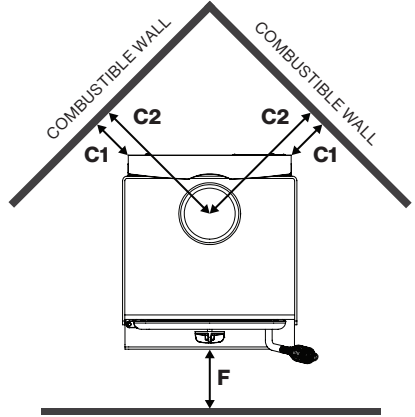
The heater can be installed with a choice of different flue configurations. Where applicable, clearances specific to each are listed in the associated tables. Also check the practicability of installing the flue system in relation to any obstructing roof beams before positioning the heater.

These clearance distances can only be reduced if the surrounding walls are made of non-combustible material, eg. Stone, brick, or concrete. If non-combustible material, distance can be reduced to 100 mm. Alternatively, shielding of the wall(s) can reduce clearances (refer to next section for more detail).

2.1.1. N15 STANDARD INSTALLATION



2.1.2. N15 CORNER INSTALLATION



**N15 LEGS/PEDESTAL  
STANDARD INSTALLATION**

Single rear shield **OR** Solid outer casing **OR** Decromesh + inner

Side - S1	750mm
Side - S2	981mm
Rear - R1	175mm
Rear - R2	330mm
Floor - F	300mm

**N15 LEGS/PEDESTAL  
CORNER INSTALLATION**

Single rear shield **OR** Solid outer casing **OR** Decromesh + inner

Corner - C1	750mm
Corner - C2	1013mm
Floor - F	300mm

**N15 WOODSTACKER  
STANDARD INSTALLATION**

Single rear shield **OR** Solid outer casing **OR** Decromesh + inner

Side - S1	750mm
Side - S2	981mm
Rear - R1	175mm
Rear - R2	330mm
Floor - F	300mm

**N15 WOODSTACKER  
CORNER INSTALLATION**

Single rear shield **OR** Solid outer casing **OR** Decromesh + inner

Corner - C1	750mm
Corner - C2	1013mm
Floor - F	300mm

## 2.2. OPTIONAL SIDE SHIELDS

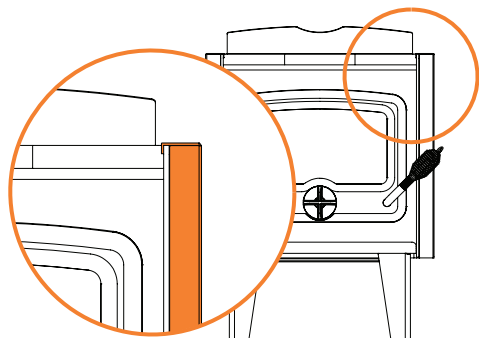
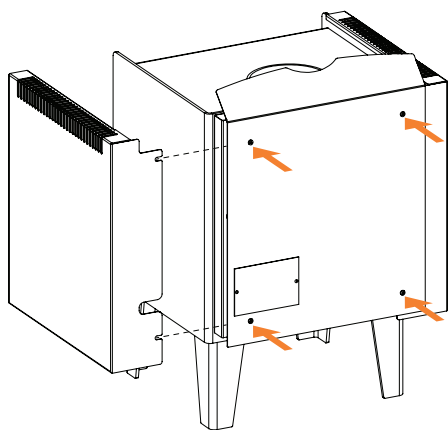
Optional side shield kits can be purchased both for the N15 Legs/Pedestal and the N15 Woodstacker.

When fitted, these reduce the minimum clearances to combustible materials.

### N15 Legs/Pedestal Side Shields

To attach side shields to the N15 Legs or Pedestal:

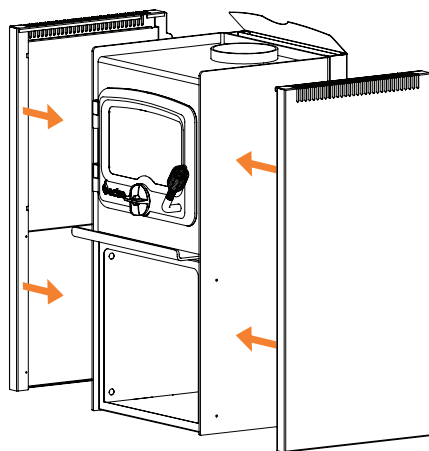
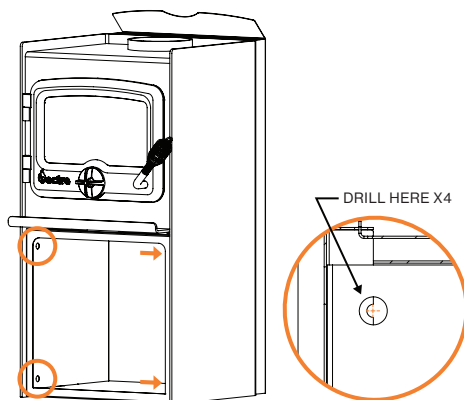
1. Loosen the 4 outer screws on the rear of the heater.
2. Slide the side shields in between the outer rear heat shield and the aluminium spacers, locating the slots on the side shield to fit over the screws. The top of the side shield has a 10mm lip folded down, this is intended to hook over the top edge of the heater.
3. Tighten the screws.



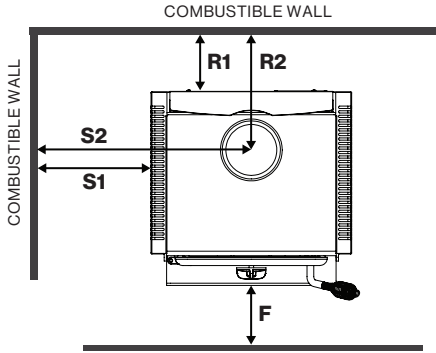
### N15 Woodstacker Side Shields

To attach side shields to the N15 Wood Stacker:

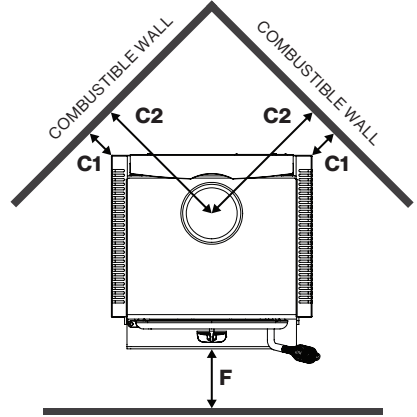
1. Drill 5mm clearance holes from the inside of the wood box in the four marked screw locations (see image).
2. Fasten each side shield in place with three screws in the rear and two screws in the inside of the wood box.



2.2.1. N15 (SHIELDS) STANDARD INSTALLATION



2.2.2. N15 (SHIELDS) CORNER INSTALLATION



**N15 LEGS/PED + SIDE SHIELDS**  
STANDARD INSTALLATION

	Single rear shield <b>OR</b> Solid outer	Decromesh + inner
Side - S1	450mm	450mm
Side - S2	716mm	716mm
Rear - R1	125mm	175mm
Rear - R2	280mm	330mm
Floor - F	300mm	300mm

**N15 LEGS/PED + SIDE SHIELDS**  
CORNER INSTALLATION

	Single rear shield <b>OR</b> Solid outer casing <b>OR</b> Decromesh + inner
Corner - C1	225mm
Corner - C2	521mm
Floor - F	300mm

**N15 WOODSTACKER + SHIELDS**  
STANDARD INSTALLATION

	Single rear shield <b>OR</b> Solid outer <b>OR</b> Decro + inner	Double rear flue shield
Side - S1	550mm	550mm
Side - S2	816mm	816mm
Rear - R1	240mm	175mm
Rear - R2	395mm	330mm
Floor - F	300mm	300mm

**N15 WOODSTACKER + SHIELDS**  
CORNER INSTALLATION

	Single rear shield <b>OR</b> Solid outer casing <b>OR</b> Decromesh + inner <b>OR</b> Double rear flue shield
Corner - C1	300mm
Corner - C2	598mm
Floor - F	300mm

### 2.3. FLOOR PROTECTOR (HEARTH)

Unless the heater will be standing on a heat resistant floor such as concrete slab with slate or tiles, it will be necessary to provide a floor protector (hearth).

The dimensions given on the previous pages (“2.1. Positioning the Heater”) are the minimum required for the floor protector to extend beyond the heater. It must extend no less than 300 mm in front of the door opening, no less than 275mm both sides of the door opening, and extend under the heater.

MEASUREMENT	WIDTH
Door opening width	350mm
Minimum floor protector width	900mm

Minimum dimensions for floor protector are 900mm wide by 900mm deep.

It may be desirable, e.g. for aesthetic reasons, for the floor protector to be larger than these minimum dimensions.

The floor protector shall be constructed from non-combustible material no less than 15mm thick and with a thermal conductivity not greater than 0.33W/m °K, eg. compressed-fibre cement sheet.

The floor protector may be laid directly on the combustible floor.

For more details and variations on floor protectors refer to AS/NZS 2918 Clause 2.2, 3.3.1, & 3.3.2

### 3. REDUCING CLEARANCES TO COMBUSTIBLES

If it is necessary to install a heater closer to a combustible surface than the stated requirements in Section 2 of this Installation Guide, it must be done in accordance with Australian Standard AS/NZS 2918 Section 3, Tables 3.1 & 3.2.

**Shield Construction:** The shield shall be constructed from a heat resistant material. The shield must be fixed to the surface that requires protection and NOT the heater.

The Standard allows three options to reduce stated clearances.

**Single layer of continuous material** with Minimum Air Gap of 12mm—Clearance Factor = 0.40

**Single layer of continuous material** with Minimum Air Gap of 25mm—Clearance Factor = 0.30

**Two spaced layers of continuous material** with Minimum Air Gaps of 12mm + 12mm—Clearance Factor = 0.20

The shielding must be open at the top and bottom (vented) to allow a continuous air flow. It is this air flow that keeps the surface requiring protection cool. Fixings should not impede this air flow.

The shielding needs to go far enough along and up the wall so that the original side and rear required clearances are not compromised. As the flue is now closer to the wall the shielding should also protect the wall from the flue pipe.

For example:  
Side wall clearance for the N15 is 750mm.

A 12mm gapped shield on the wall with a factor of 0.40.

Calculate:  $750\text{mm} \times 0.40 = 300\text{mm}$ . This is the new side wall minimum clearance.

The shielding needs to be large enough so that none of the original clearances of 750mm are compromised.



#### 4. INSTALLING THE FLUE

The flue system used when installing the heater MUST comply with the current installation standard AS/NZS 2918.

Full instructions on the installation of the flue will be supplied with the flue kit. These MUST be adhered to, including the minimum exit height from the top of the floor protector being not less than 4.6m, and the minimum exit height above the roof line of roof ridge as detailed in the instructions.

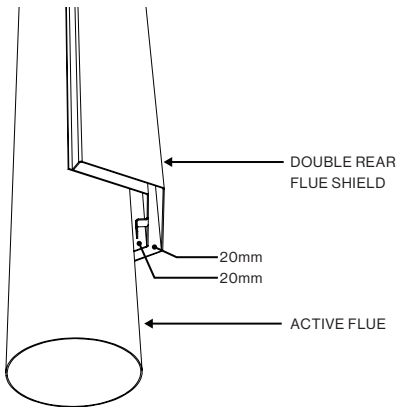
The N15 uses a 6"/150mm active flue and must be fitted with one of the following:

##### 4.1. SINGLE REAR FLUE SHIELD

- a. 900 mm long, minimum 160° arc, stainless steel painted black rear flue shield with 25mm gap between it and the active flue.

##### 4.2. DOUBLE REAR FLUE SHIELD

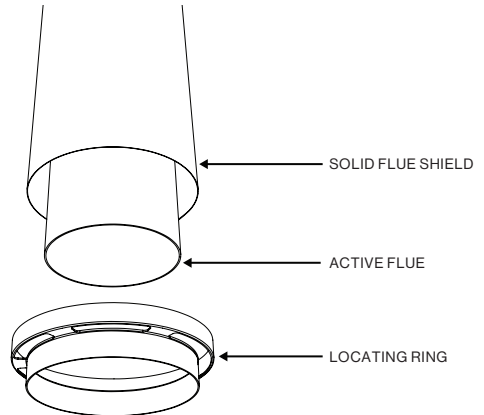
- a. 900mm long, half round, double skinned rear flue shield with 20mm internal gap at rear, resting 20mm off the rear of the active flue and 20mm above the top of the appliance, ventilated at the bottom and top only.



##### 4.3. SOLID FLUE SHIELD

Note - Solid outer casing must be installed with ventilated locating ring at base of flue shielding.

- a. Full length solid outer flue shield casing (7.75" diameter) extending from the heater through into drop box penetrating the ceiling.
- b. The manufacturer's 'locating ring' must be used to support the flue shielding up off the heater top. It is important that air can be drawn into the base and rear of the flue shielding.
- c. Place the locating ring around the flue spigot (resting on the heater top) and then place the first length of active flue into the spigot. Slide the shielding over the active flue. Locate the bottom of the solid outer shield inside the locating ring.



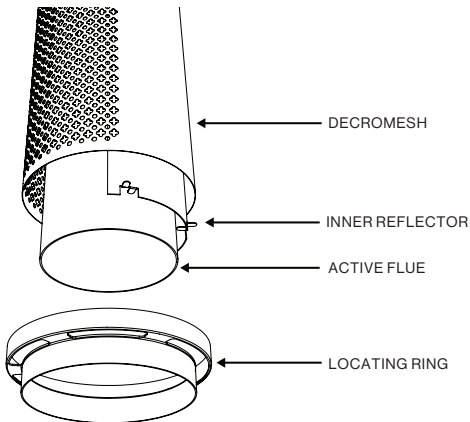
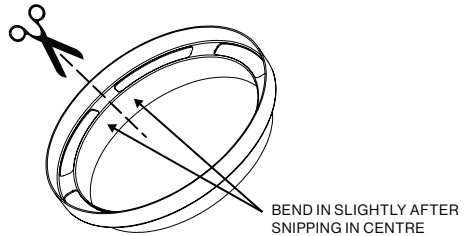
#### 4.4. DECROMESH

Note - must be installed with with internal **heat shield/reflector** AND ventilated locating ring at base of shielding.

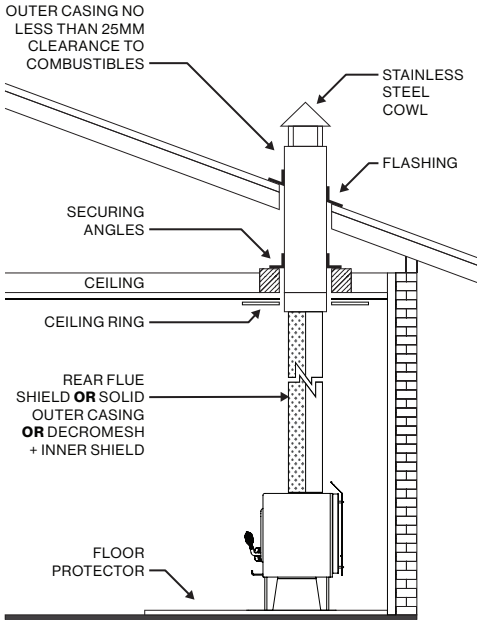
- a. Full length, half radius perforated decromesh flue shield extending from the heater through into drop box penetrating the ceiling with the perforated surface facing the front.
- b. The first length of casing must have an inner shield extending the full length and positioned so that the inner shield is between the active flue and the rear wall.
- c. The manufacturer's 'locating ring' must be used to support the flue shielding up off the heater top. It is important that air can be drawn into the base and rear of the flue shielding.
- d. Place the locating ring around the flue spigot (resting on the heater top) and then place the first length of active flue into the spigot. Fit inner shield inside outer casing and slide the shielding over the active flue. Locate the bottom of the decromesh and inner shield inside the locating ring.

#### 4.5. LOCATING RING

Depending on the supplier, the flue shielding can be one of three sizes – 200 mm, 7¾ inch, or 8 inch diameter. The supplied locating ring will fit the two smaller diameters but not the 8 inch. In this scenario, snip through the outer ring with tin-snips as shown in the drawing below. Bend the two “arms” in a little so they ends don’t project out when fitted to the decromesh. Ensure that the snipped section is at the rear of the flue, out of sight.



## 5. INSTALLING THE FLUE (CONTINUED)



If the draft is insufficient or periodic down drafting occurs and the heater smokes or only burns slowly, extending the flue or fitting a specialised cowl will usually resolve the issue.

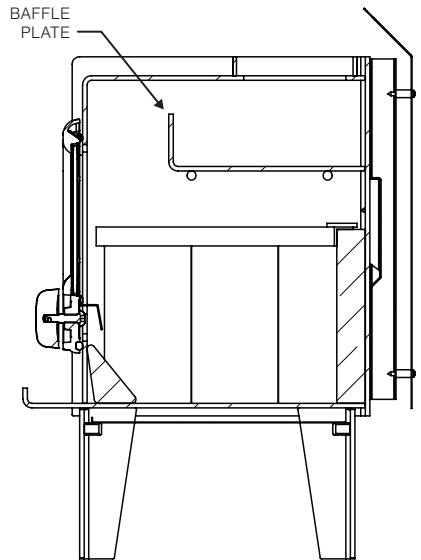
### 5.1. FITTING FLUE SEAL

Any gaps between the inside of the flue spigot and the active flue should be sealed. This can be done by wrapping the bottom of the flue with a length of fibreglass tape. Alternatively, high temperature stove cement can also be used.

## 6. INSTALLING THE BAFFLE PLATE

Baffle plate should be installed before installing fire bricks.

1. Remove the box of bricks from inside the heater.
2. Ensure the 6mm steel baffle plate is orientated inside the firebox so that the 75mm fold is at the front and directed upwards.
3. Raise the front of the baffle plate up until it clears the two support pins at the front. Slide the baffle forward until the rear edge has cleared the two support pins at the back. Raise the rear of the baffle and slide back so that it is supported in a horizontal orientation and pushed all the way back in the firebox.

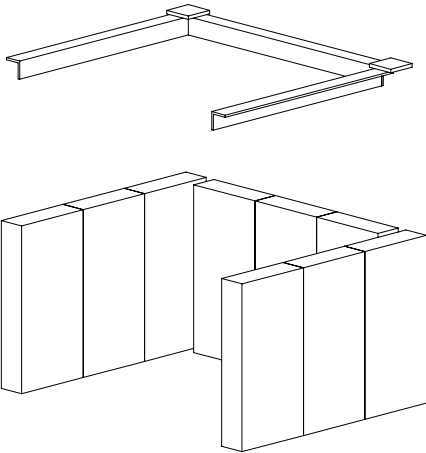


## 7. INSTALLING THE FIRE BRICKS

The Nectre N15 comes with 9 full size bricks (230(h) x 115(w) x 38(d)mm).

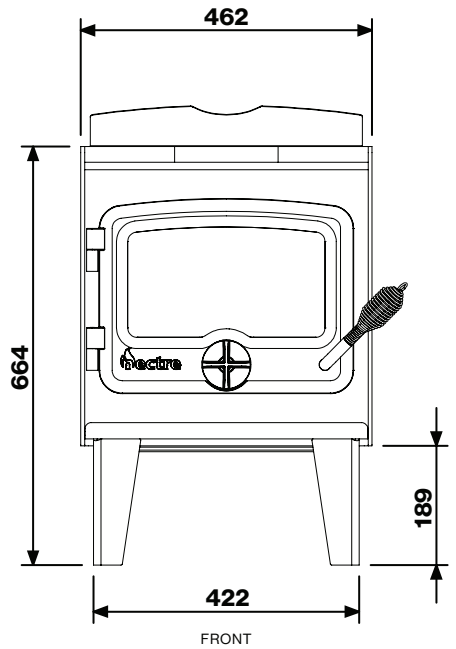
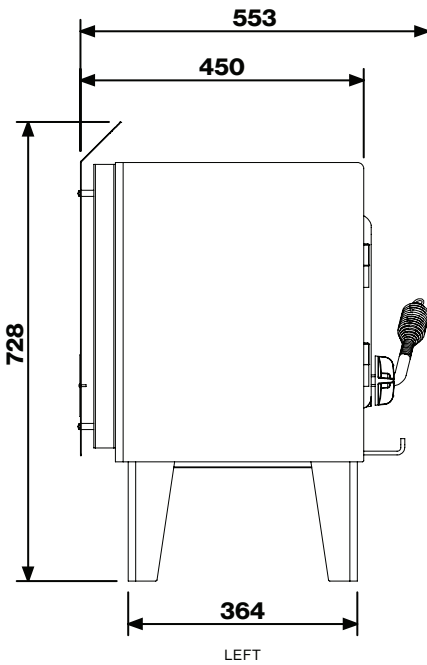
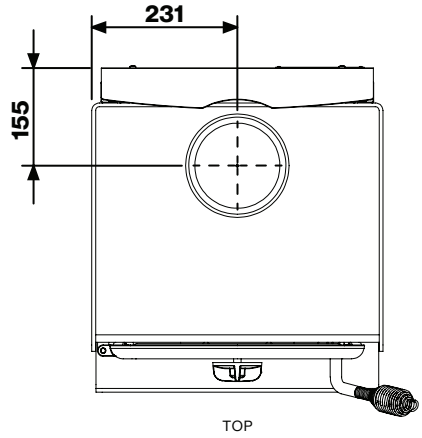
Raise the retainer (supplied inside the firebox) and start standing the bricks up against the rear and sides of the firebox as shown in the diagram below.

Once bricks are in, fit the retainer over the top to hold them in place. There may be some gaps left between the bricks, but this is not an issue since they will fill up with ash as the heater is used.

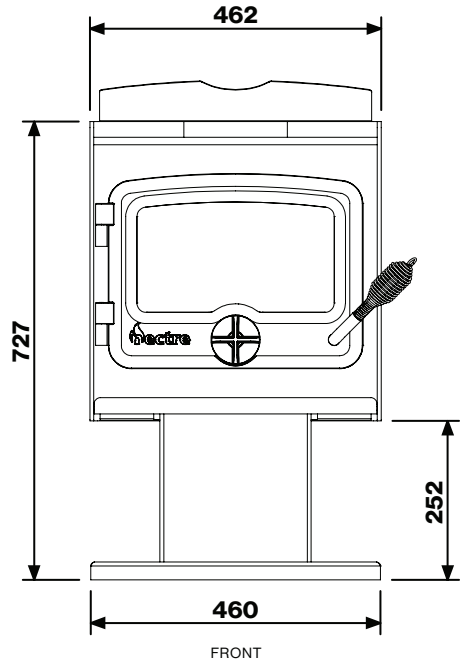
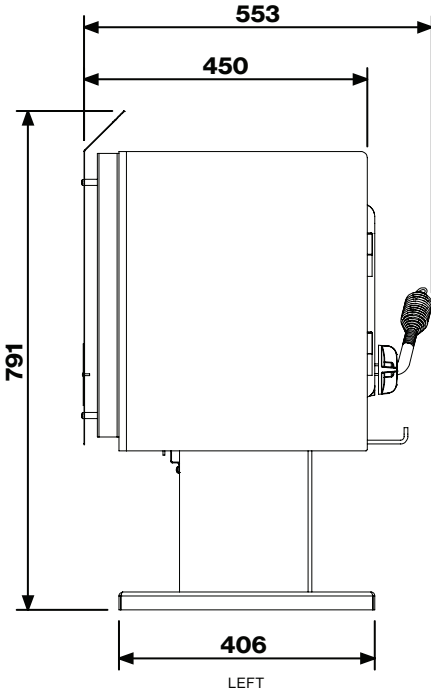
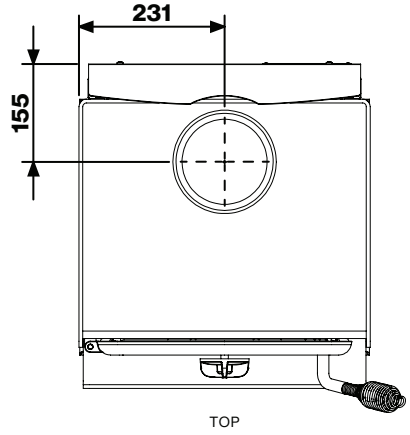


8. TECHNICAL DRAWINGS

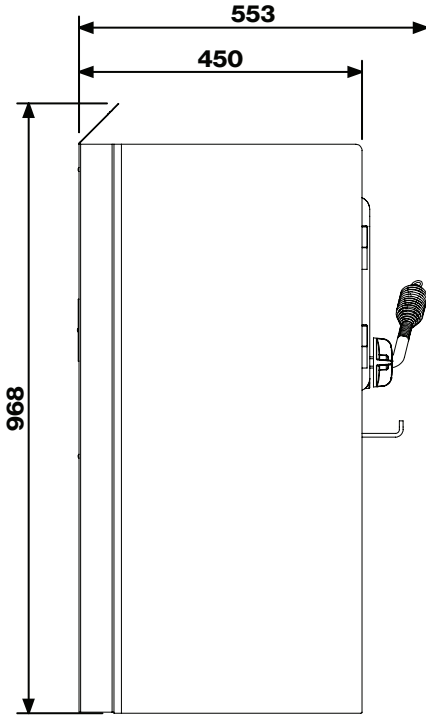
8.1. N15 LEGS



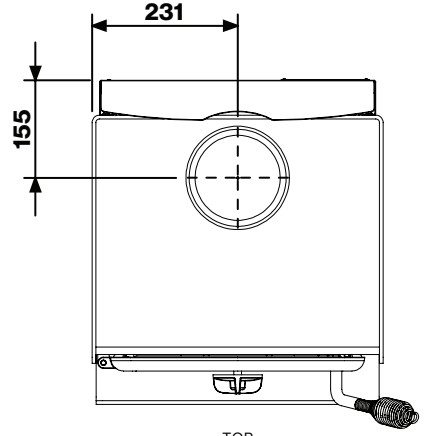
8.2. N15 PEDESTAL



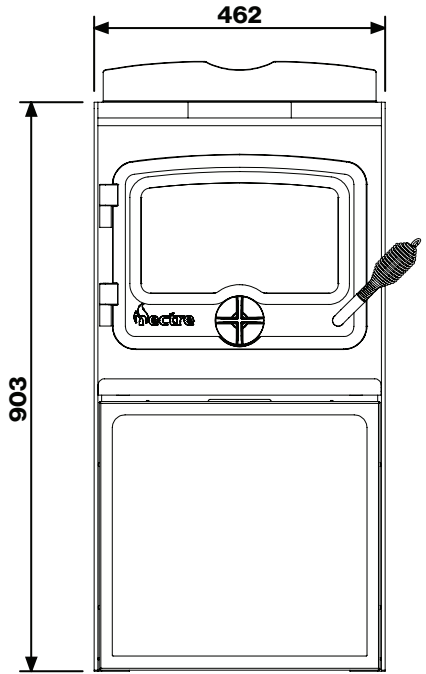
8.3. N15 WOODSTACKER



LEFT



TOP



FRONT



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