

INTRODUCTION

•This appliance is classified as a Cooker, therefore not listed on clean air wood fire websites.

•BUILDING CONSENTS (PERMITS)

It is the house owners responsibility to have the correct permit lodged and accepted by the local building authority. Your Installer may offer to assist with this and in some cases undertake the complete application, lodgement, payment, etc. on your behalf (a fee maybe incurred).

•INSTALLATION

All solid fuel heating appliances sold by Broadys NZ Ltd must be installed to the requirements of the **Standard AS/NZS 2918:2001** and the product instructions supplied by us and/or with the appliance. This includes the "FINISHING" of your installation e.g. the correct venting, hearth sizing, and fascia and/or mantle surrounds.

Broady's NZ Limited do not undertake installation and/or site work associated with the installation of the products we sell, nor warrant their installation. We recommend that the installation of all solid fuel heating appliances be carried out by a Qualified Registered Installer with the NZ Home Heating Association, of which Broady's are also a member. We can provide a list of these installers, or if preferred visit their website for a full and current list at www.nzhha.co.nz/membership.asp. By listing these Installers, it is not implied nor inferred that Broady's recommend them or their work. As the contract for installation is between you and the chosen Installer – payment is due directly to them, normally on the completion of the installation. Any possible issues regarding your installation are to be addressed to the Installer. **KEEP THEIR NAME ON FILE.**

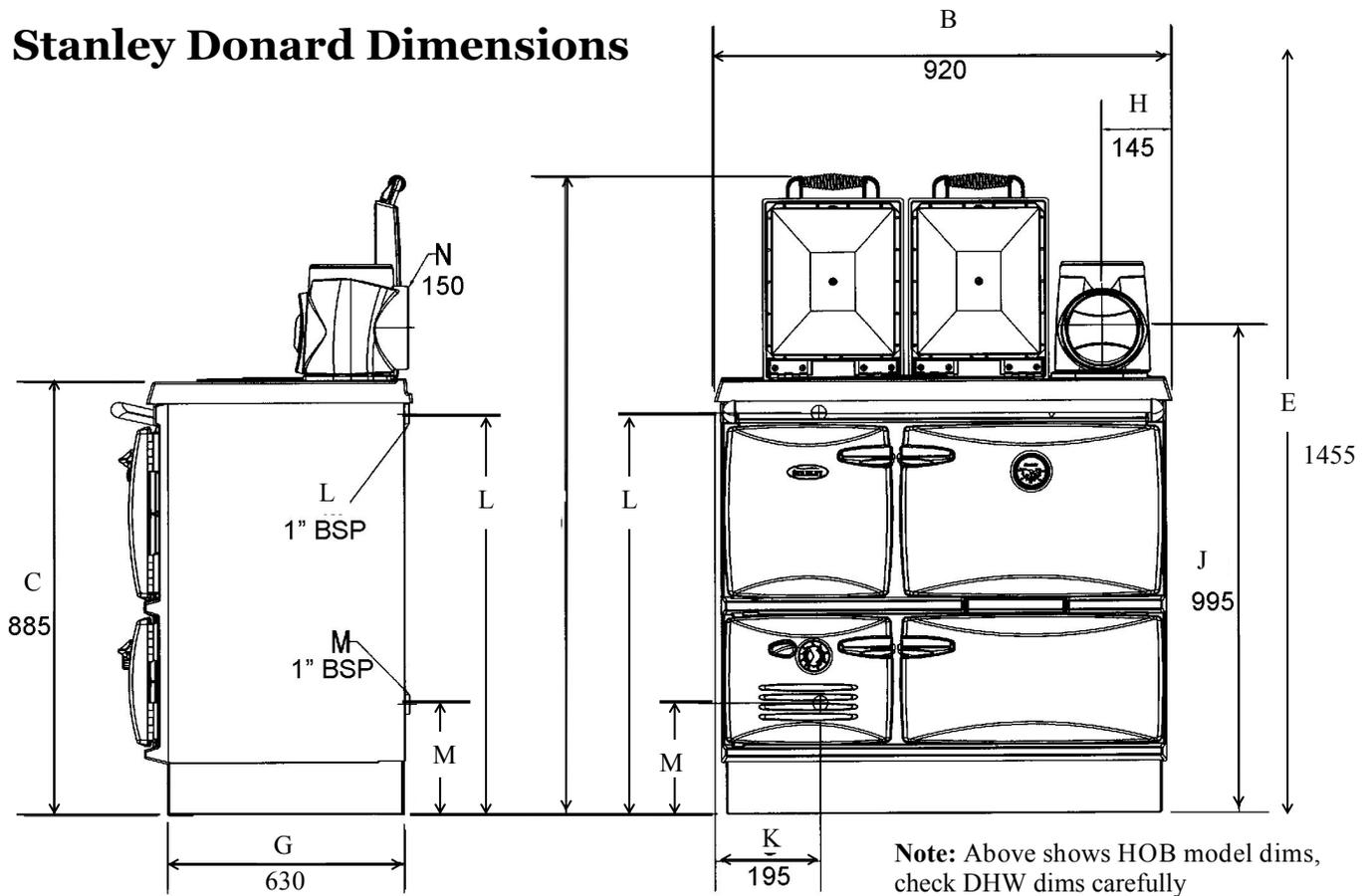
•ELECTRICAL / PLUMBING

If any electrical/plumbing work is required, it must be carried out by a licensed Electrician/Plumber. All electrical work must be carried out to AS/NZS3000 or AS/NZS3100 requirements, plumbing work carried out to appropriate requirements of AS3500.4.1 or NZS4603, and both electrical and plumbing to local regulatory authority.

•SAFETY WARNING

- Only use dry, well seasoned firewood. Never use driftwood or treated timber
- DO NOT use flammable liquids or aerosols to start or re kindle the fire
- DO NOT OVERFIRE – only use the high heat setting when lighting the fire and reloading. Once fire is alight reduce air slide control to lower setting. Over firing may result in the warranty becoming void.
- Replace damaged and worn out consumables like baffles, liners, air tubes, rope seals etc with genuine replacements to ensure the correct and safe operation of the fireplace.
- If hot water boosters or boilers are fitted the appliance must be connected to an open vented low pressure hot water system.
- Make sure the minimum safety heater-to-wall clearance distances are maintained between the heater and any heat sensitive materials (ie. furniture, drapes, blinds etc)
- Solid Fuel heaters with glass doors are not to be used as an open fire.

Stanley Donard Dimensions



Donard Cooker Dimensions

E	Height to top of Splashback/Platerack	1455mm
	Height to top of Hot Plate Covers	1320mm
C	Height to top of cooking hob	885mm
B	Width	920mm
G	Depth (including rear heat shield)	630mm
	Weight	352kg

Firebox Dimensions

	Height	500mm
	Width	220mm
	Depth	400mm
	Summer Grate Height (HOB models only)	300mm

Hot Water Pipe Outlets—HOB model

L	Upper Hot Flow Pipe - from floor	820mm
M	Lower Cold Return Pipe - from floor	230mm
K	Left hand side of cooker to centre	195mm

Hot Water Pipe Outlets—DHW model

L	Upper Hot Flow Pipe - from floor	660mm
M	Lower Cold Return Pipe - from floor	435mm
K	Left hand side of cooker to centre	115mm

Main Oven Dimensions

Height	310mm
Width	390mm
Depth	406mm

Second Oven Dimensions

Height	220mm
Width	390mm
Depth	406mm
Hot Plate	560mm x 330mm

Hot Water Capabilities

DHW—water booster (standard)	2.0kW
DHW—water booster (large)	4.0kW
High Output Boiler (HOB model)	17.5kW

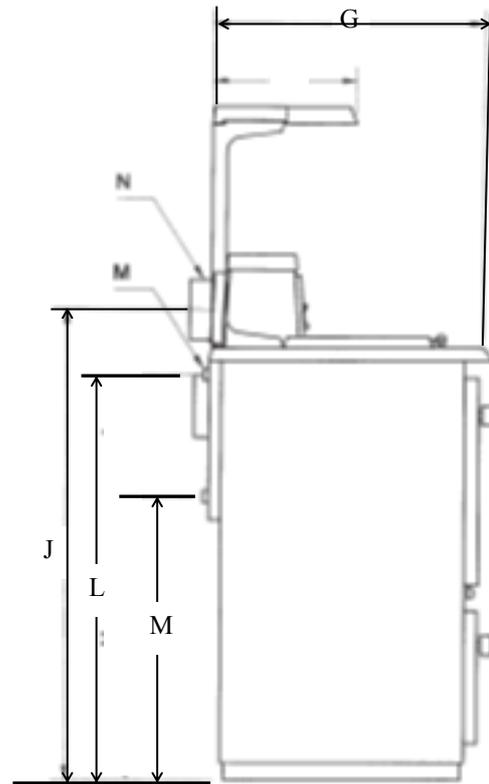
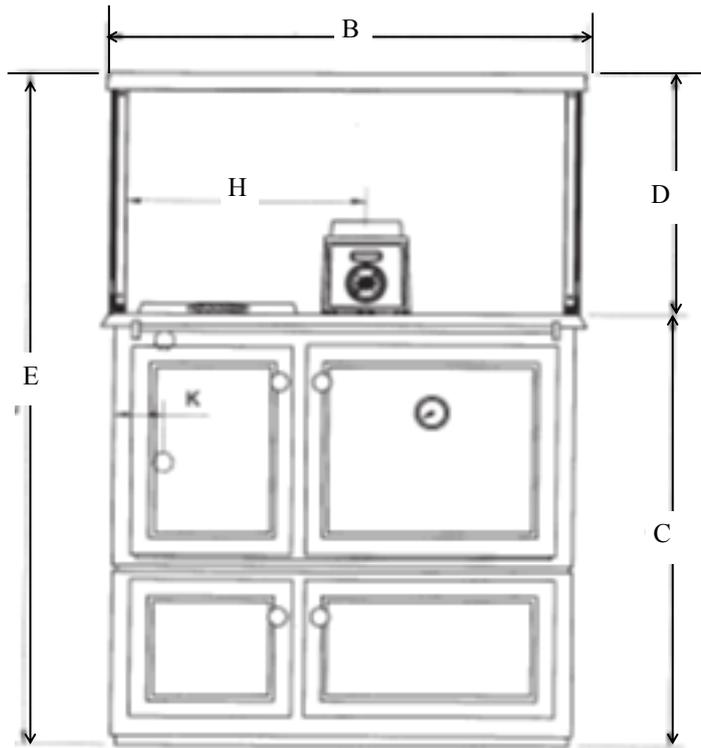
Flue Position (150mm diameter flue)

Right hand side of cooker to centre	145mm
Back of rear heat shield to centre	175mm
Height from floor protector to flue centre (for rear flue exit option)	995mm

NOTE: Dimensions stated below may be subject to a slight +/- variation.

Stanley Comeragh Dimensions

NOTE: Dimensions stated below may be subject to a slight +/- variation.

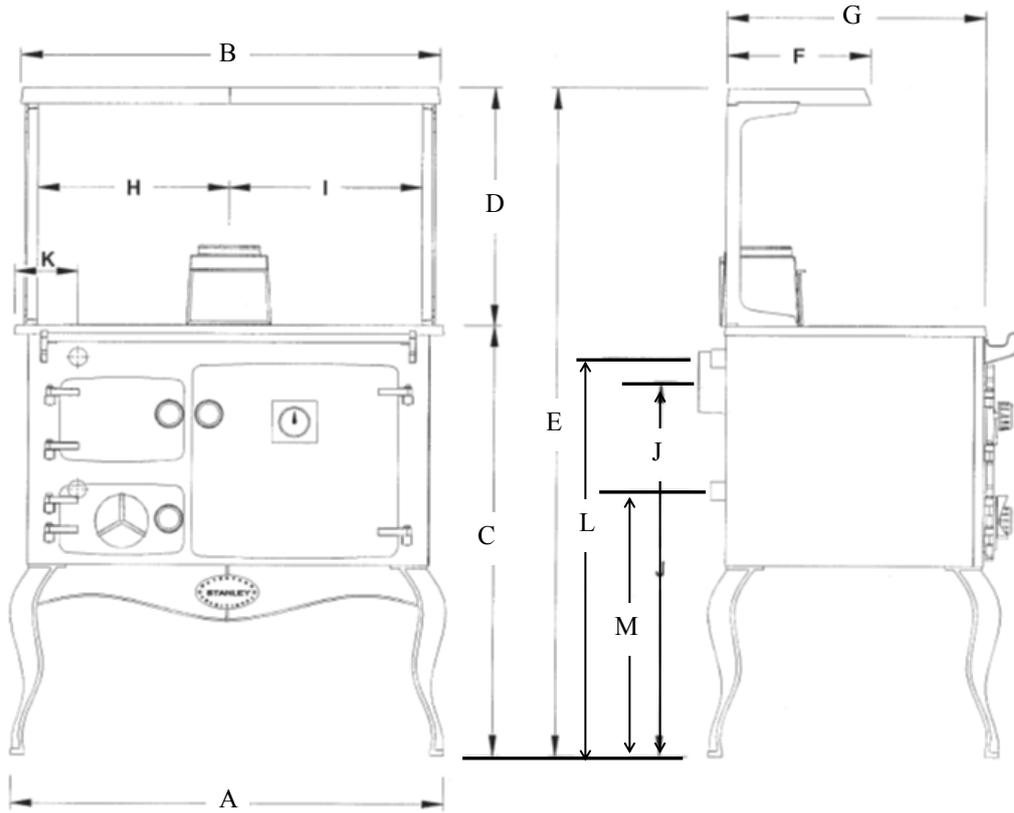


Comeragh Cooker Dimensions		
E	Height to top of Splashback/Platerack	1430 mm
	Height to top of Hot Plate Covers	1360mm
C	Height to top of cooking hob	920mm
B	Width	900mm
G	Depth (including rear heat shield)	610mm
	Weight	274kg
Firebox Dimensions		
	Height	329mm
	Width	250mm
	Depth	381mm
Hot Water Pipe Outlets—HOB model		
L	Upper Hot Flow Pipe - from floor	850mm
M	Lower Cold Return Pipe - from floor	600mm
K	Left hand side of cooker to centre	140mm
Hot Water Pipe Outlets—DHW model		
L	Upper Hot Flow Pipe - from floor	850mm
M	Lower Cold Return Pipe - from floor	625mm
K	Left hand side of cooker to centre	140mm

Main Oven Dimensions	
Height	324mm
Width	400mm
Depth	396mm
Warming / Storage Compartment Dimensions	
Height	300mm
Width	850mm
Depth	435mm
Hot Plate	268mm x 325mm
Simmer Plate	390mm x 250mm
Hot Water Capabilities	
DHW—water booster (standard)	1.7 kW
DHW—water booster (large)	2.5 kW
High Output Boiler (HOB model)	13.8 kW
Flue Position (150mm diameter flue)	
Right/Left hand side of cooker to centre of flue	450mm
Back of rear heat shield to centre	145mm
Height from floor protector to flue centre (for rear flue exit option)	1002mm

Stanley Errigal Dimensions

NOTE: Dimensions stated below may be subject to a slight +/- variation.



Errigal Cooker Dimensions		
E	Height to top of Splashback/Platerack	1390mm
	Height to top of Hot Plate Covers	1360mm
C	Height to top of cooking hob	880mm
B	Width - of cooking hob	910mm
A	Width - between legs O/D	940mm
G	Depth (including rear heat shield)	610mm
	Weight	263kg
Firebox Dimensions		
	Height	340mm
	Width	220mm
	Depth	370mm
Hot Water Pipe Outlets—HOB model		
L	Upper Hot Flow Pipe - from floor	820mm
M	Lower Cold Return Pipe - from floor	570mm
K	Left hand side of cooker to centre	140mm
Hot Water Pipe Outlets—DHW model		
L	Upper Hot Flow Pipe - from floor	820mm
M	Lower Cold Return Pipe - from floor	595mm
K	Left hand side of cooker to centre	140mm

Main Oven Dimensions	
Height	330mm
Width	400mm
Depth	400mm
Hot Plate Dimensions	
Main Hot Plate	405mm x 255mm
Centre Circular Hot Plate	240mm Ø
Simmering Plates x 2	155mm Ø ea
Hot Water Capabilities	
DHW—water booster (standard)	1.7 kW
DHW—water booster (large)	2.5 kW
High Output Boiler (HOB model)	13.8 kW
Flue Position (150mm diameter flue)	
Right/Left hand side of cooker to centre of flue (H and I)	450mm
Back of rear heat shield to centre	145mm
Height from floor protector to flue centre (for rear flue exit option)	725mm

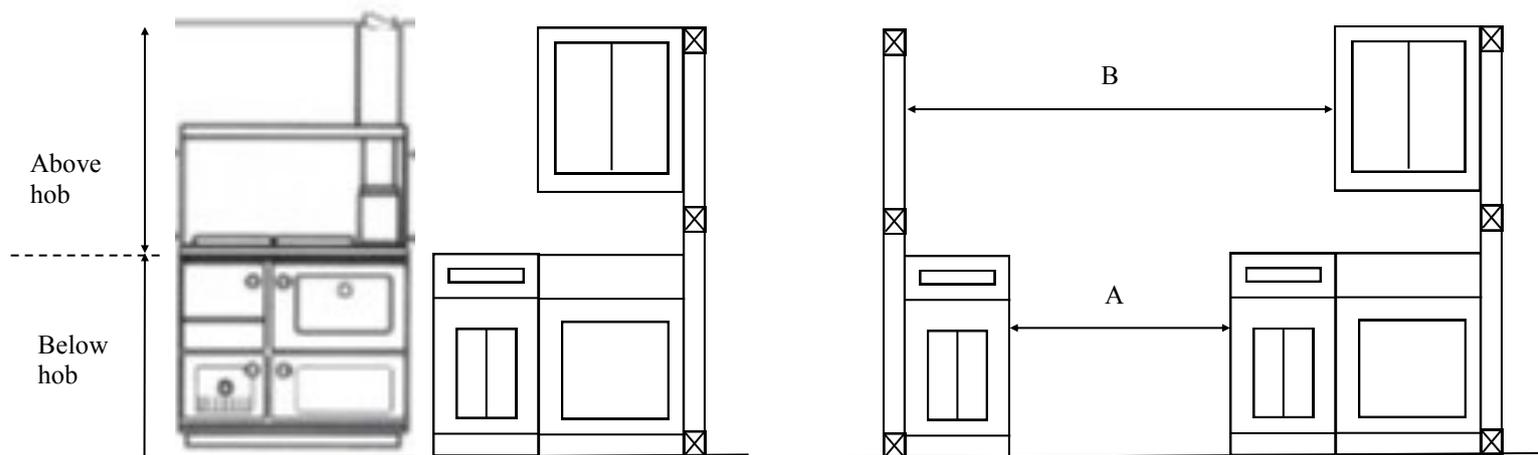
CLEARANCES TO COMBUSTIBLE MATERIALS

To comply with AS/NZS2918:2001 your Stanley cooker must be installed with the minimum clearances from combustible walls and / or bench units as shown in the table below.

The clearances shown apply only to installations of the Stanley cooker when the splashbacks are fitted. **When not using a splashback, the rear wall clearances become the same as the side wall clearances above the cooking hob level.**

Clearances below cooking plate hob level	Errigal	Comeragh	Donard
Left	100mm	50mm	50mm
Right	150mm	50mm	50mm
Rear Wall (to back of rear heat shield) As per plumbing minimum requirements	100mm	100mm	100mm
Clearances above cooking plate hob level			
Left	450mm	350mm	300mm
Right	350mm	250mm	300mm
Rear Wall (to back of rear heat shield)	100mm	100mm	100mm
Minimum Hearth Size — see construction requirements			
Minimum thickness of Fibre Cement sheet. This must then have a non combustible covering—ie tiles, steel, stone, brick etc	12mm	25mm	25mm
It must extend either side of Cooker	Min 200mm	Min 200mm	Min 200mm
It must extend in front of Cooker	Min 300mm	Min 300mm	Min 300mm
In the case of concrete floors, any combustible floor coverings must be kept away or trimmed to the above minimum clearances			

Minimum Kitchen Bench & Cabinet Opening Requirements			
Model	A - below hob	B - above hob	Cavity Depth
Errigal	1160mm	1710mm	710mm
Comeragh	1000mm	1500mm	710mm
Donard	1020mm	1520mm	730mm



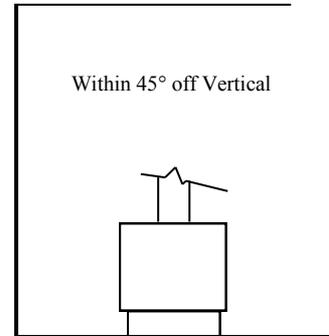
CLEARANCE REDUCTION FACTORS

As per AS/NZS2918:2001

The clearances can be reduced with the use of wall heat screens. Wall screens must extend 1.8m above floor level, or to the top of the bench at cooking hob level (where applicable). Heat Screens must allow air movement for their full height, ie. A 25mm at the bottom and a minimum 50mm below the ceiling if extending full room height. Under no circumstances can combustible materials (ie timber, gib board) be used to space the screens. Use ceramic or similar non combustible spacers/packers.

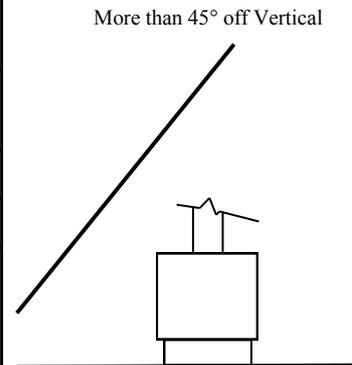
CONSTRUCTIONS AND CLEARANCE FACTORS FOR HEATING APPLIANCE HEAT SHIELDS WHICH ARE WITHIN 45° OFF THE VERTICAL		
Heat Shield Construction	Minimum Air Gap dimension mm	Clearance Factor
Single layer of continuous material	12	0.40
Single layer of continuous material	25	0.30
Two spaced layers of continuous material	12 + 12	0.20

NOTES:
 1: Masonry may be used as a heat shield material
 2: Where heat shields are used to reduce appliance clearance dimensions additional flue shielding may also be required. (Refer AS/NZS2918:2001).



CONSTRUCTIONS AND CLEARANCE FACTORS FOR HEATING APPLIANCE HEAT SHIELDS WHICH ARE MORE THAN 45° OFF THE VERTICAL		
Heat Shield Construction	Minimum Air Gap dimension mm	Clearance Factor
Single layer of continuous material	12	0.80
Single layer of continuous material	25	0.60

NOTES:
 1: Masonry may be used as a heat shield material
 2: Where heat shields are used to reduce appliance clearance dimensions additional flue shielding may also be required. (Refer AS/NZS2918:2001).



Calculation of Reduced Clearances

The way to use these clearance factors is to take the minimum unshielded distance to a combustible wall (as per the manufacturers specification or AS/NZS2918:2001 for untested appliances) and multiply this distance by the clearance factor to determine the reduced clearance.

Example (to the right)

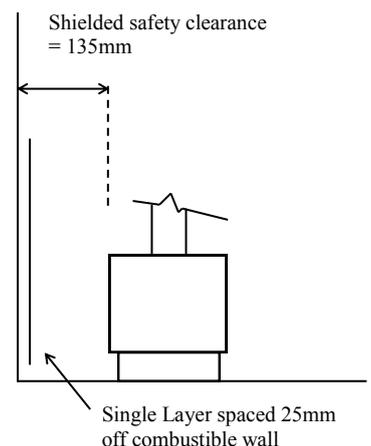
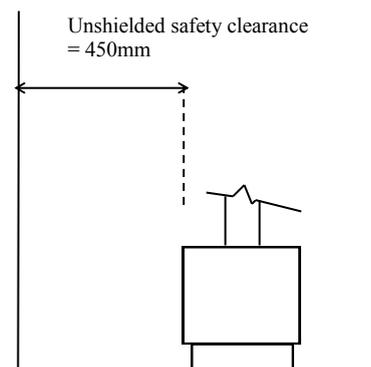
Appliance manufacturer specifies clearance to heat sensitive wall of 450mm

Heat shield selected has a factor of 0.3.

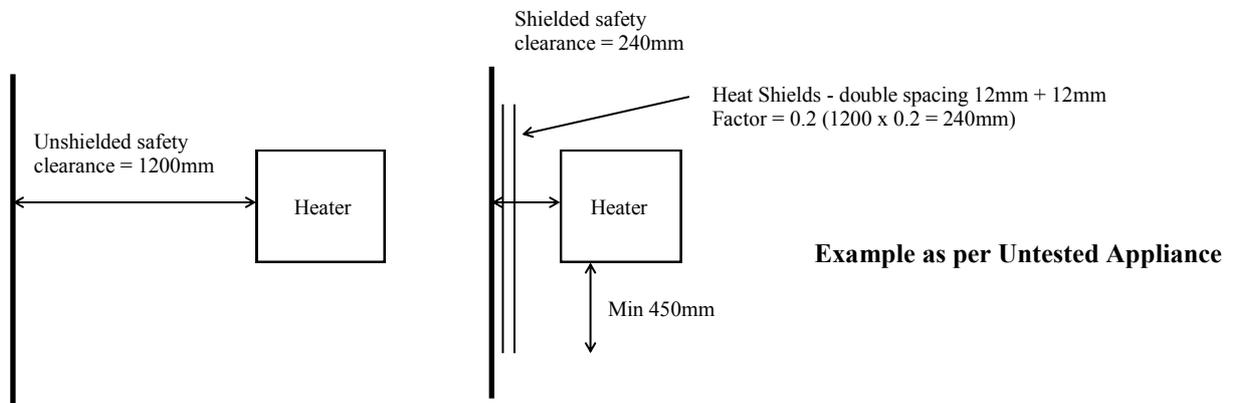
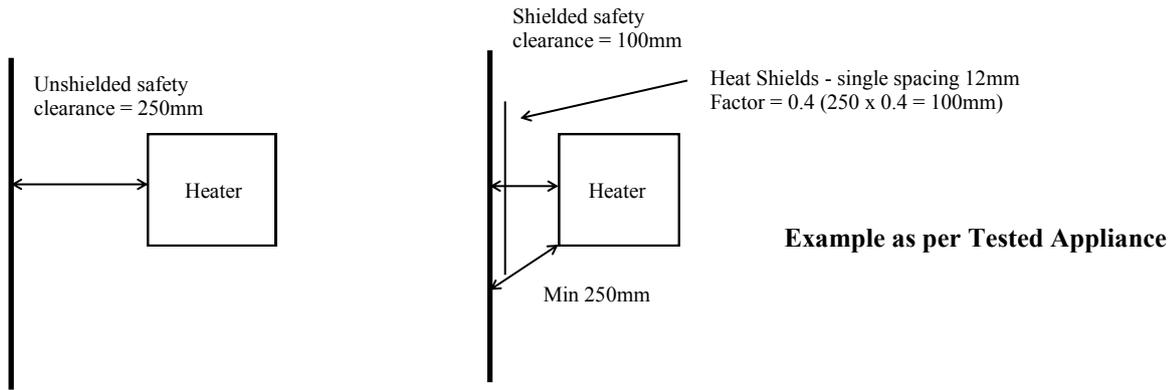
Therefore $450\text{mm} \times 0.3 = 135\text{mm}$. Reduce clearance is 135mm.

Notes:

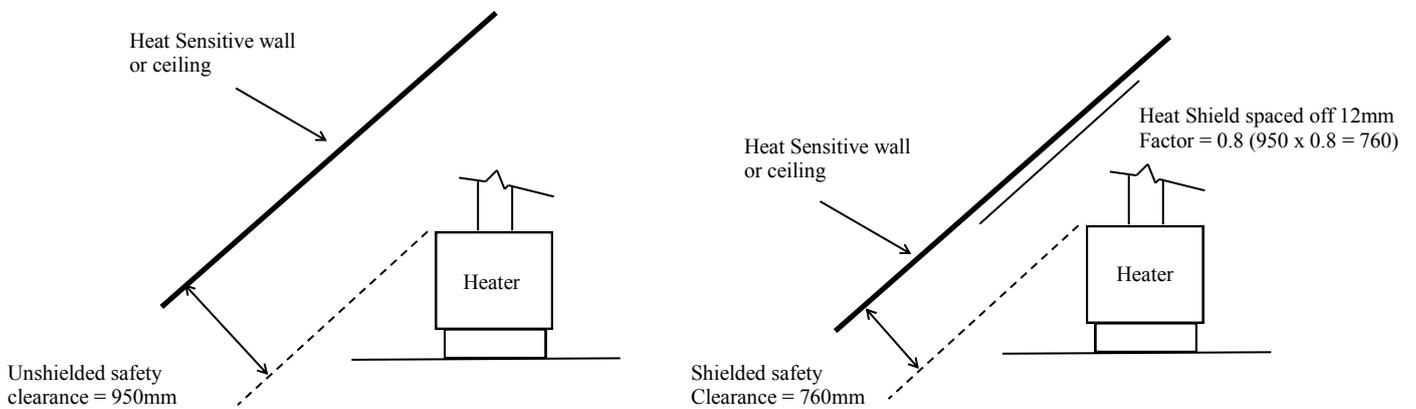
- The clearance is measured from the appliance to the wall surface itself and **NOT** the shielding.
- The heat shield material must be installed a min 30mm off the floor to allow cooling air ventilation in behind the heat shield.
- The heat shield material must terminate no less than 50mm below the ceiling to allow ventilation of air in behind the wall screen.
- Tested Appliances - the heat shield material must extend a minimum distance so as to achieve the tested unshielded clearance to combustible wall material (see examples over page)
- Un Tested Appliances - the heat shield material must extend a minimum 450mm beyond all surfaces of the heating appliance (see examples over page)



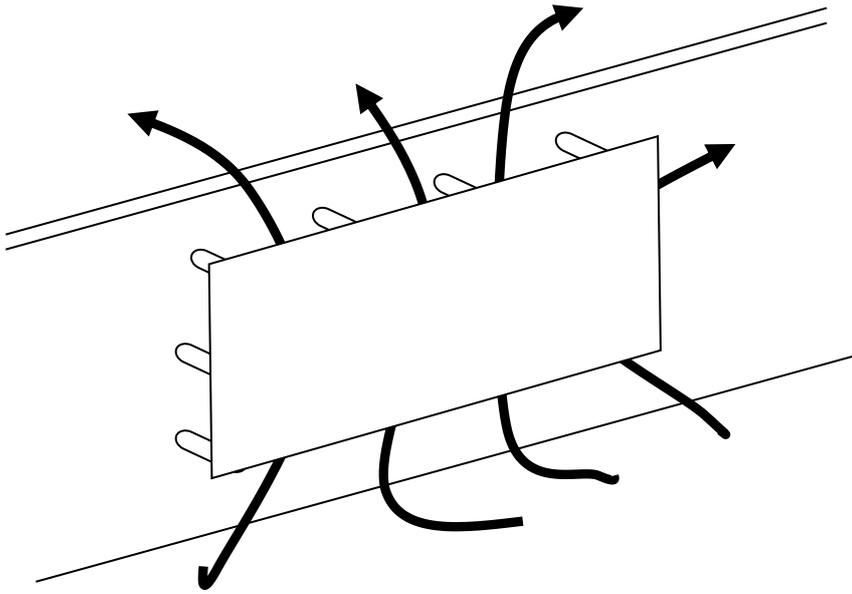
Examples of Heat Shields used to reduce appliance clearance where the shielding is within than 45° off the vertical



Example of Heat Shield used to reduce appliance clearance where the shielding is more than 45° off the vertical



Heat Shield Material Options

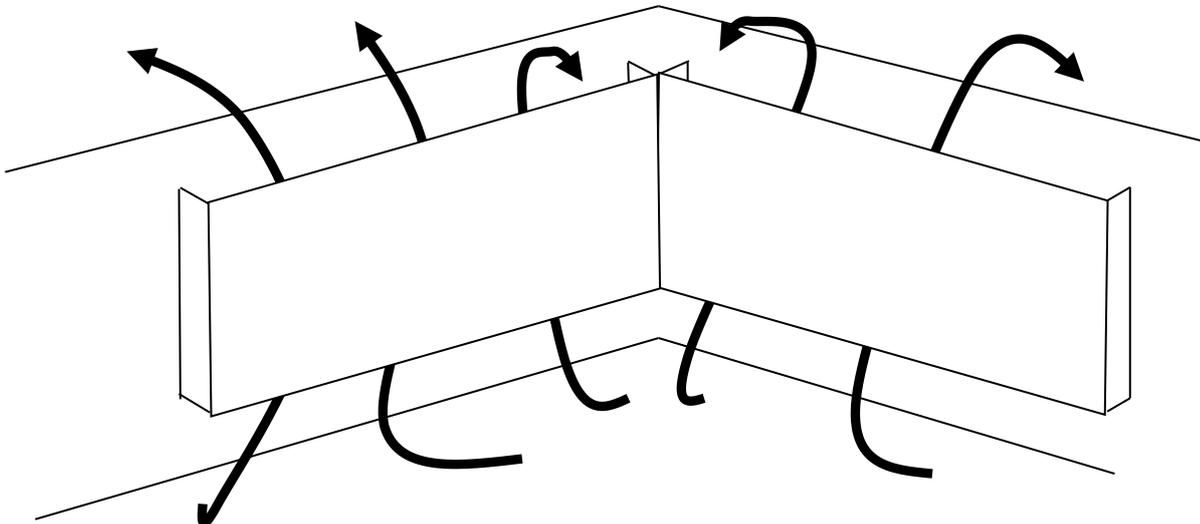
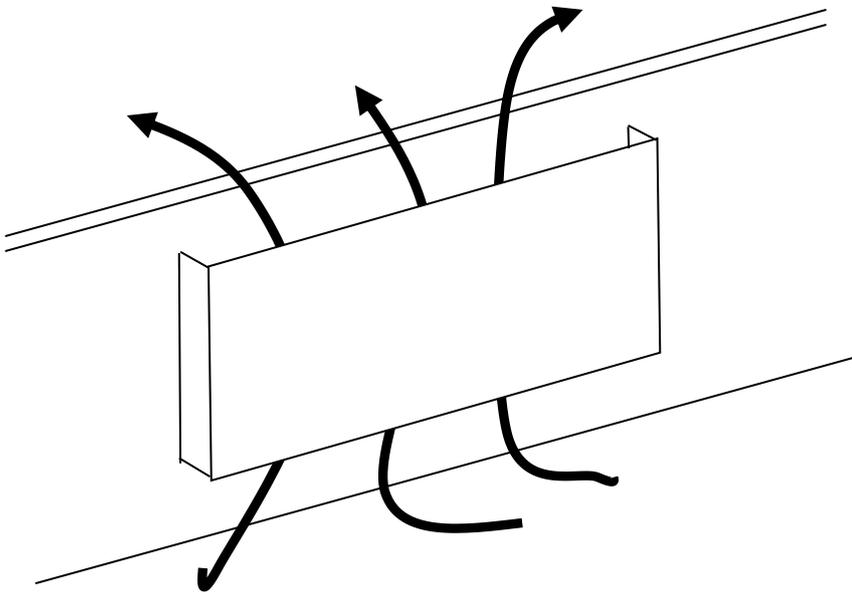


Examples of Heat Shield Materials:

- Brick
- Masonry
- Sheet Metal (painted or powder coated)
- Stainless Steel
- Hebel AAC - 75mm
- Promina - 9mm wall board
- Edipan
- Tile Underlay
- Fibre Cement wall linings, ie Villa Board

Note

DO NOT USE FIRE RATED GIB BOARD - this is not classified as a suitable material for heat shielding



FLOOR PROTECTION

Errigal model (both DHW and HOB) - requires an “Ash” floor protector, **min 12mm thick**. An Ash floor protector must be made of a non combustible material (ie. Fibre cement sheet 12mm covered with ceramic tile, sheetmetal, plate steel, stone, masonry, brick etc)

Comeragh and Donard (both DHW and HOB) models require an “Ash” floor protector, **min 25mm thick**. An Ash floor protector must be made of a non combustible material (ie. Fibre cement sheet 12mm covered with ceramic tile, sheetmetal, plate steel, stone, masonry, brick etc)

Whichever type of material is used, it must extend at least 300mm in front of the cooker and 200mm to each side of the cooker. For new wooden floors it is advisable to “check in” the floor protector so that its top surface is level, or flush, with your floor.

Floor Protection for NON - Combustible Floors:

Trim any combustible floor coverings to at least 300mm in front of the cooker and at least 200mm to each side of the cooker.

SEISMIC RESTRAINT

Sufficient restraint shall be provided to resist seismic loading equal to 0.4 times the weight of the appliance applied horizontally in any direction at the mid height of the combustion chamber.

1. **Donard** - fix a 900mm section of steel angle iron to the base of the plinth at the rear and secure 3 x dynabolts (or equivalent) through the floor protector into the floor material.
2. **Comeragh** - secure through the base cabinet, behind the storage doors, with 2 x dynabolts (or equivalent) through the floor protector into the floor material.
3. **Errigal** - fit supplied tabs into the bottom edges of adjacent legs. Bolt through the floor protector into the floor material.

PLUMBING

All models use 1”BSP (25mm) plumbing connection in and out of the water jacket at the rear. To achieve full heating efficiency ensure that the hot floe and cold return pipes have a minimum rise of 1 in 6 to the hot water cylinder. When bends are needed, these must be gentle and extra rise allowed for compensation.

All wetback connections **MUST** be open vented to the atmosphere and be installed by a registered plumber to the required Building Code Standards.

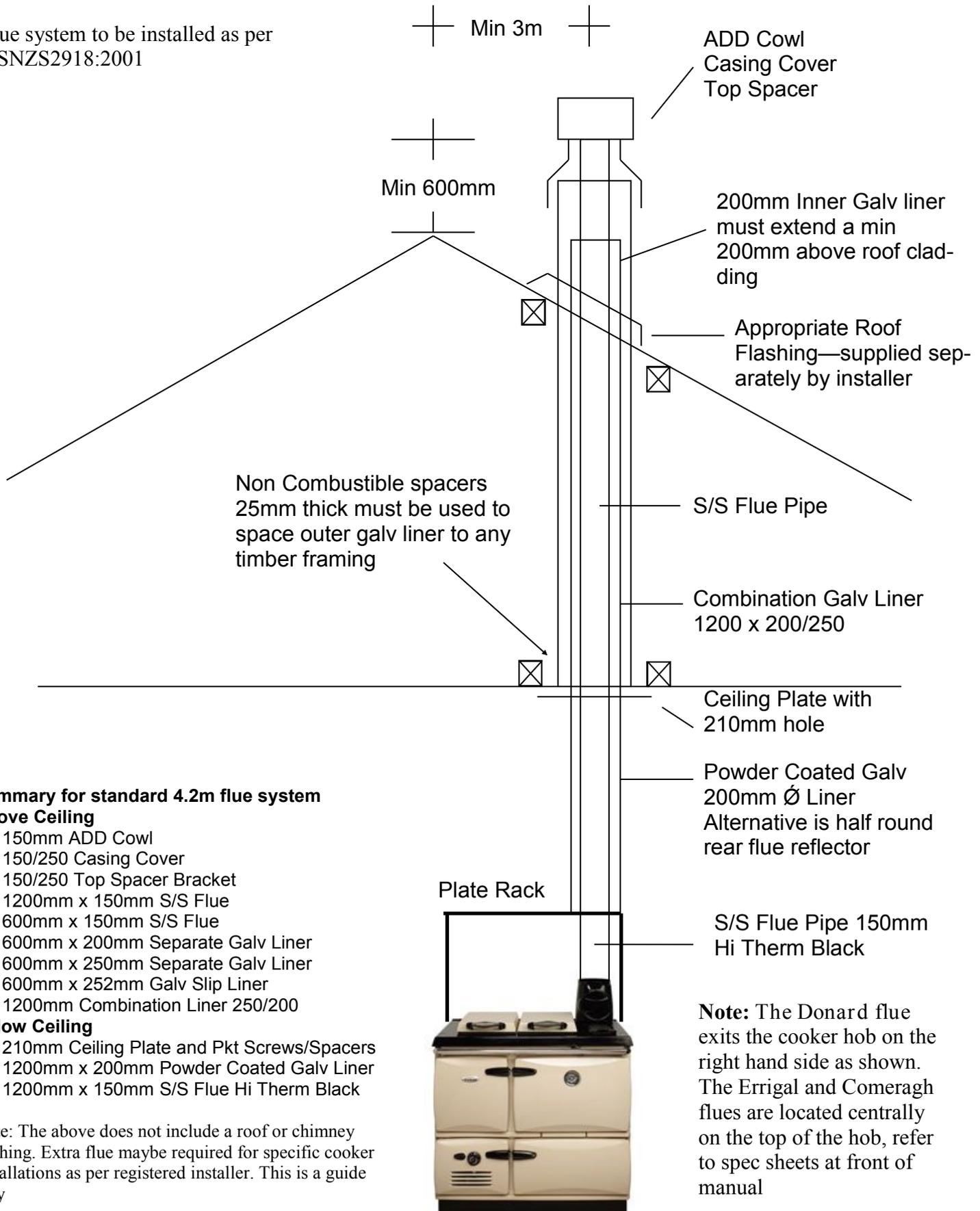


Spacer Kit—15mm air gap
For use with Donard and
Comeragh **DHW** models

FLUE SYSTEMS - Stanley Solid Fuel Cookers

Standard 4.2m Flue System

Flue system to be installed as per
ASNZS2918:2001



Summary for standard 4.2m flue system

Above Ceiling

- 1 x 150mm ADD Cowl
- 1 x 150/250 Casing Cover
- 1 x 150/250 Top Spacer Bracket
- 1 x 1200mm x 150mm S/S Flue
- 1 x 600mm x 150mm S/S Flue
- 1 x 600mm x 200mm Separate Galv Liner
- 1 x 600mm x 250mm Separate Galv Liner
- 1 x 600mm x 252mm Galv Slip Liner
- 1 x 1200mm Combination Liner 250/200

Below Ceiling

- 1 x 210mm Ceiling Plate and Pkt Screws/Spacers
- 1 x 1200mm x 200mm Powder Coated Galv Liner
- 1 x 1200mm x 150mm S/S Flue Hi Therm Black

Note: The above does not include a roof or chimney flashing. Extra flue maybe required for specific cooker installations as per registered installer. This is a guide only

Note: The Donard flue exits the cooker hob on the right hand side as shown. The Errigal and Comeragh flues are located centrally on the top of the hob, refer to spec sheets at front of manual