

Enviro EF2 Classic Wood Pellet Fire FPI CB and FS CB



Classic Wood Pellet Burning Heater Insert and Free Standing Models Installation Specifications

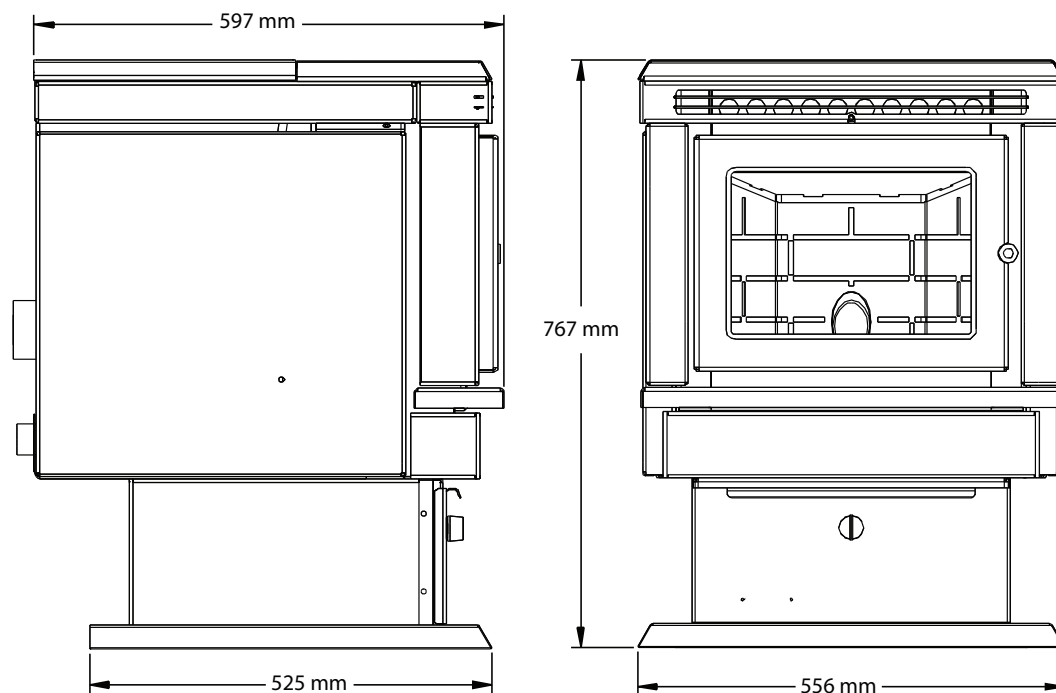
Safety testing of the EF2 Classic FS CB Pellet Burning Heater to
AS/NZS 2918, ARS 09/1981 & 08/1902. Emissions 07/1731

Safety testing of the EF2 Classic FPI CB Pellet Burning Heater to
AS/NZS 2918, ARS 09/1981 & 09/1952, 09/1953. Emissions 07/1713

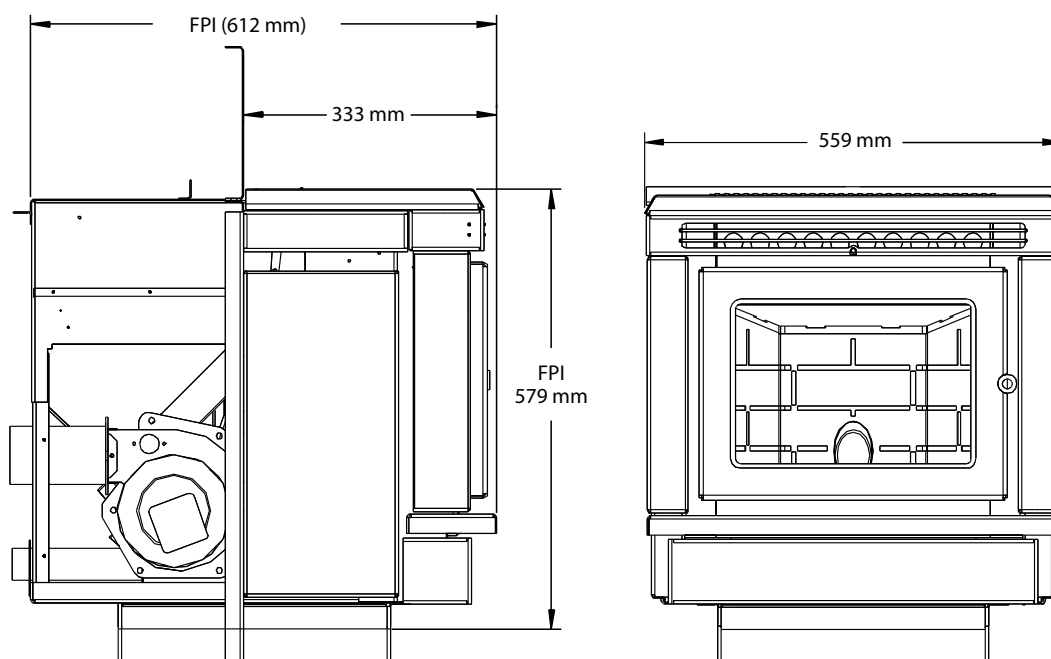
Flue Kit Testing to AS/NZS 2918 AppF: 05/1185

Installation

Dimensions – Classic Freestanding



Dimensions - Classic Insert & Built-In Heater

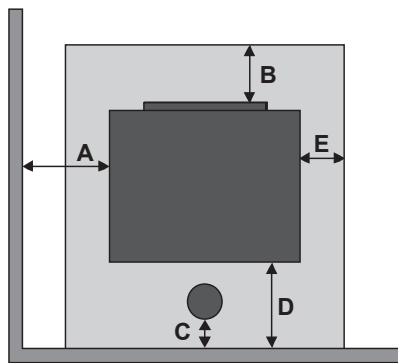


Installation Clearances & Specifications

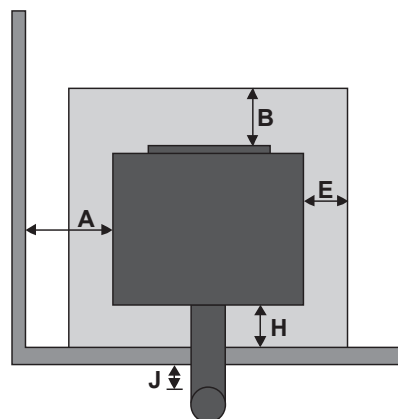
Minimum clearances shown are in millimetres. All Enviro fires are tested to AS/NZS2918:2001. Specifications were correct at time of printing but may alter and those detailed below should be used as a guide only. Refer to the Installation and Operation Manual supplied with every Enviro Pellet Fire or if in doubt, consult your Switch Retailer. Refer to Safety Test 09/1981 for all clearances to combustibles.

Clearances to Combustibles

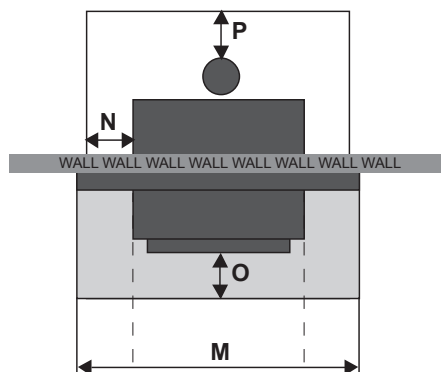
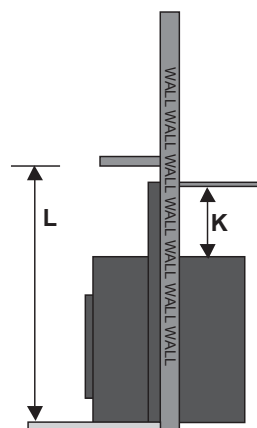
Internal Flue (Freestanding)



External Flue (Freestanding)



Built-In Fire and Flue



Freestanding Clearances

Location	Dimension (mm)
A	100
B	150
C*	50
D	~210
E	N/A
F	75
G*	50
H	100
I*	50
J*	25

* from shielded flue

Note: AS/NZS 2918 requires a minimum of 100mm clearance for any side requiring access.

Note: These are minimum clearances to combustibles. Actual installation distances may be greater.

Built-In Heater Clearances

Location	Dimension (mm)
K	100
L	920
M#	1020
N	150
O#	150
P*	50

NOTE: Built-In fire clearances don't apply in a non-combustible cavity. However, remember you will need access for servicing. The above clearance to combustibles on the flue are only applicable within the fire envelope. Clearance outside this e.g. at a ceiling / wall thimble reverts to 25mm as per ARS flue test 05/1185. Correct as at November 2011. # Fire hearth width indicative only. Critical measurement is "O", extending in front of the fire. Hearth width only needs to be same as fire width.

November 2011

Location of the Pellet Fire

Installation of the Enviro Classic Wood Pellet Burning Heater should be undertaken by an experienced installer. Please read the Classic Owners/Technical Manual thoroughly before commencing installation as failure to follow the instruction could cause damage to the pellet fire or property.

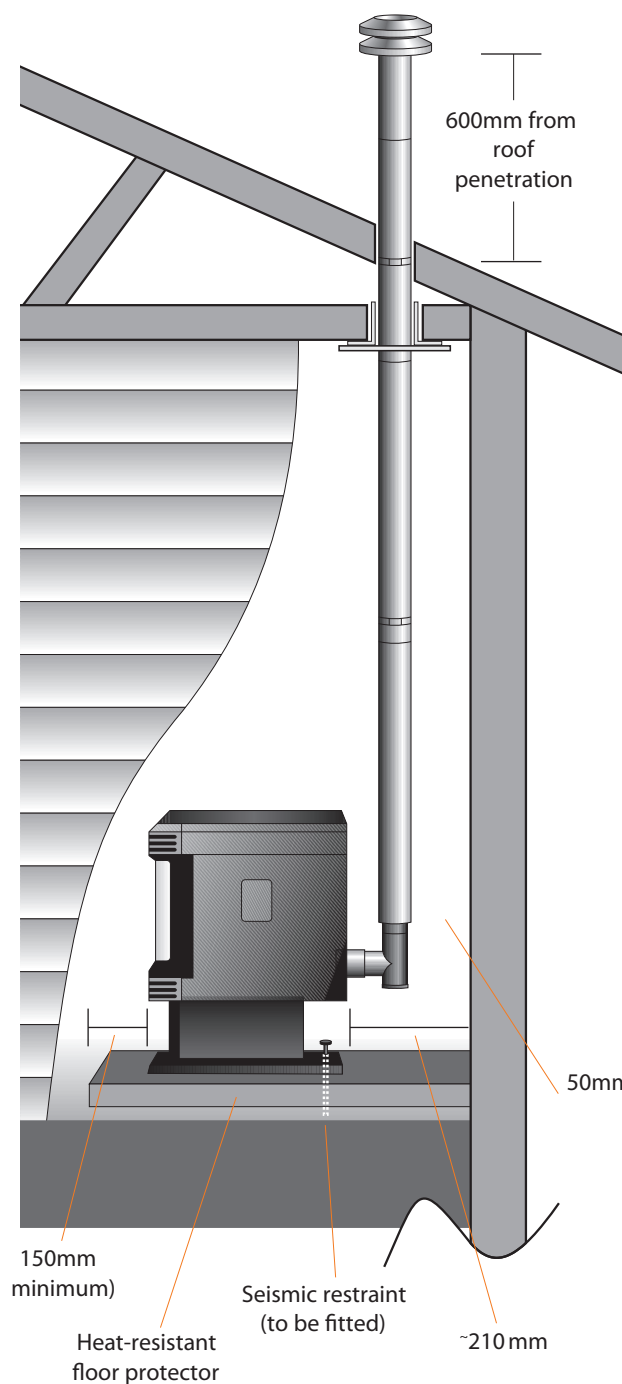
Positioning the fire:

Generally the Classic should be installed in a centrally located position within the home. When deciding where to position the appliance in your room you need to consider the following:

- Location of a power source
- The Classic has a convection fan which blows air through tubes in the direction that the fire faces, for optimum performance this location should be in a large room centrally located.
- The Classic must be installed on a non-combustible surface. This surface must protrude 150mm from the front of the closed pellet fire door.
- The Classic has been Safety Tested to AS/NZS 2918 using the Davins manufactured flue. Test Report ARS 05/1185. Installation is not exclusive to these nominated kits, though alternative flue should only be considered following consultation with your local council.
- Please consult page 3 for the required clearances to combustible material also ensure the position of structural elements near the proposed flue.
- Because of the positive pressure in the flue, sealing of all 75mm stainless joints is mandatory – use high temperature sealant. Both inner and outer flue joints must be riveted.
- Seismic Restraint: Please see page 9 for requirements.
- Warranty: To validate warranty following installation a copy of the completed Warranty Registration Form/Producer's Statement must be forwarded to: Switch - Fax (03) 341 8057.

Internal Standard Flue Kit (50)

This flue kit may be used in new and replacement applications in rooms with stud height of 2.4m. The overall height of the flue is 3.6m. The visible flue is finished in black and the ceiling plate is white. The support angles for securing the liner to the ceiling are not shown. Kit is supplied in carton.



Each 50 Internal Standard Flue Kit contains:-

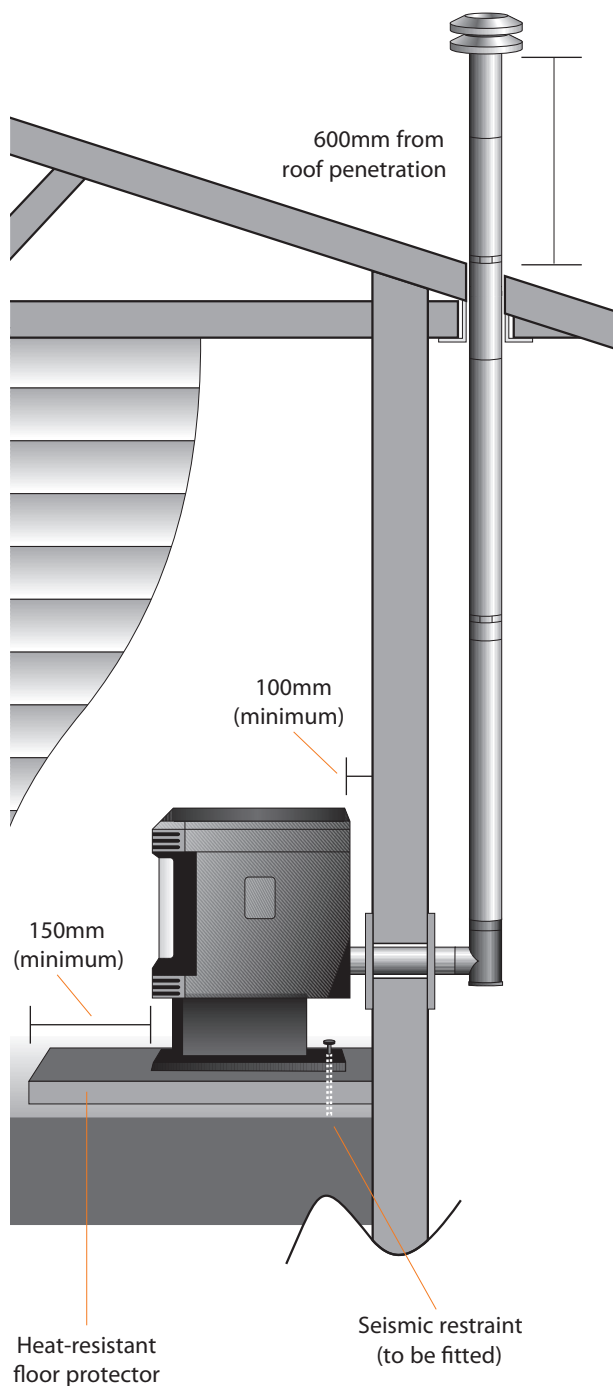
Part No	Description	Quantity
1	Galvanised outer liner ø100mm x 900mm long	1
2	Stainless steel inner liner ø75mm x 900mm long	4
4a	Black p/coat outer liner ø100mm x 900mm long	3
5	Inner/outer flue liner spacer	2
6c	Ceiling thimble ø107mm hole	1
7c	Ceiling decor plate ø107mm hole – white	1
8	Rain cap 75mm	1
9	Rain Cap 100mm	1
10b	Elbow 45° – ø75mm stainless – black (painted)	1
12H	T-adaptor/cleanout – ø75mm – black (painted)	1
23	Support angle 950mm long – 50mm x 50mm sides	2

Note: The Davin 50 Internal Standard Flue Kit complies with AS/NZS 2918:2001 as per Applied Research Test Report 05/1185, dated 15 September 2005.

All fires must be installed by a qualified installer as per the manufacturer's instructions and AS/NZS2918:2001.

External Standard Flue Kit (51)

This flue kit may be used in new and replacement applications with the flue penetrating the wall behind the fire, running vertically up an outside wall and penetrating the soffit. The overall height of the flue is 3.6m. All visible flue has a galvanised finish, and can be powdercoated on request. Kit is supplied in a carton.



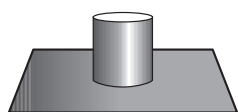
Each 51 External Standard Flue Kit contains:-

Part No	Description	Quantity
1	Galvanised outer liner ø100mm x 900mm long	4
2	Stainless steel inner liner ø75mm x 900mm long	4
5	Inner/outer flue liner spacer	2
6w	Wall thimble – 2 pieces ø102mm holes	1
6s	Soffit thimble ø107mm hole	1
7w	Wall decor plate ø102mm hole – white	1
8	Rain cap 75mm	1
9	Rain Cap 100mm	1
26	Lined T-adaptor	1

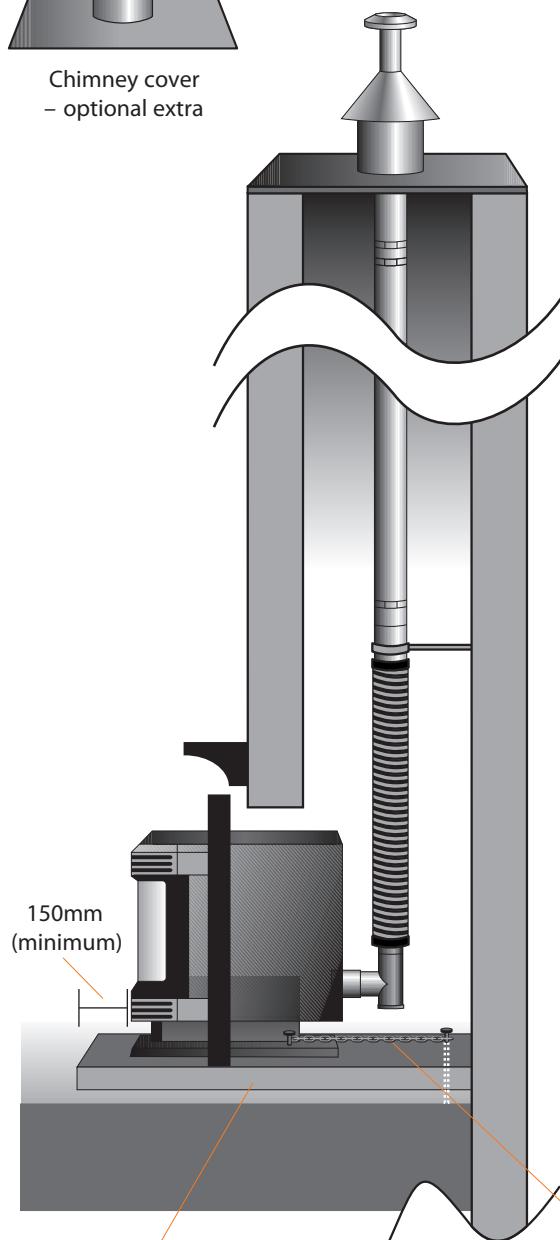
Note: The Davin 51 External Standard Flue Kit complies with AS/NZS 2918:2001 as per Applied Research Test Report 05/1185, dated 15 September 2005.

All fires must be installed by a qualified installer as per the manufacturer's instructions and AS/NZS2918:2001.

Insert Flue Kit (52)



Chimney cover
– optional extra



150mm
(minimum)

Heat-resistant
floor protector

This flue kit may be used in replacement applications in masonry chimneys. The overall height of the flue is 4.5m. Kit is supplied in two cartons.

Each 52 Insert Flue Kit contains:-

Part No	Description	Quantity
2	Stainless steel inner liner ø75mm x 900mm long	5
8	Rain cap 75mm	1
12	T-adaptor/cleanout – ø75mm	1
16	Clamp – flexible flue to stainless flue pipe	1
19	Flexible flue pipe – stainless steel ø75mm x 1m	1
21	Bracket 75mm securing flue pipe to wall	1
839	Casing cover – standard ø75mm - ø300mm	1

34 Chimney cover – may be required
as an optional extra

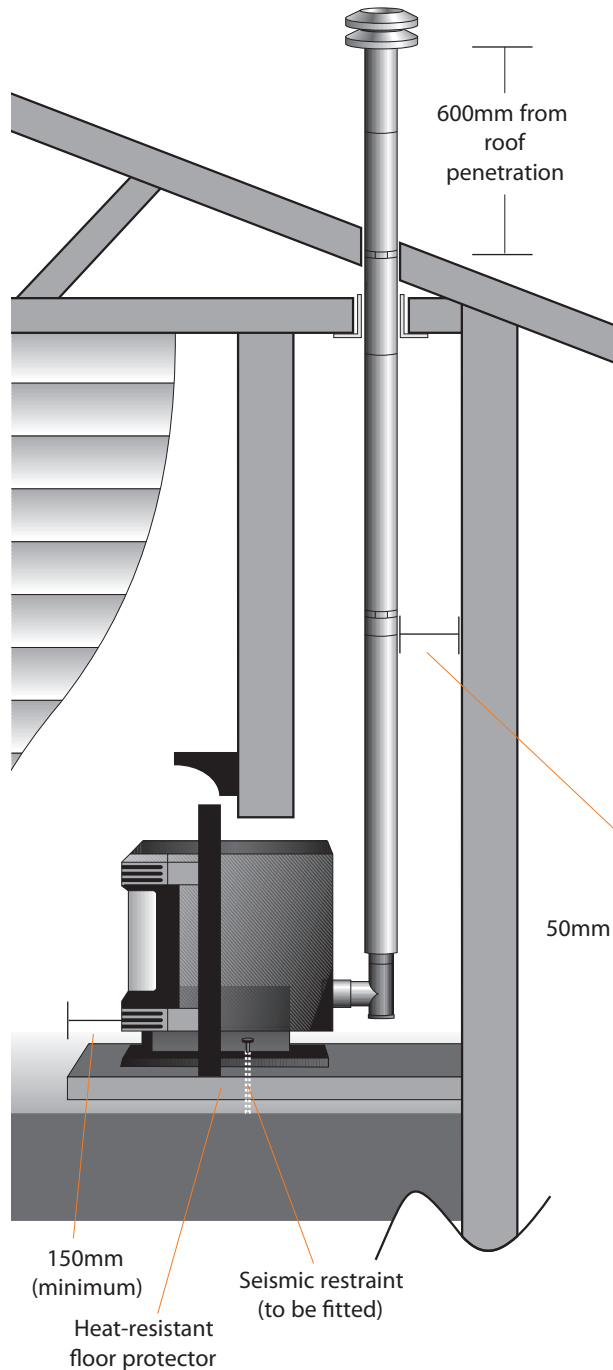
Note: The Davin 52 Insert Flue Kit complies with AS/NZS 2918:2001 as per Applied Research Test Report 05/1185, dated 15 September 2005.

All fires must be installed by a qualified installer as per the manufacturer's instructions and AS/NZS2918:2001.

Seismic restraint chain. To be fitted one on each side of the fire at the mid point. The chain should have a breaking strength of at least 350kg or minimum 3.5mm nominal diameter. Chains should be anchored to the floor (not framing or masonry), and should be as short as possible, only allowing access to unbolt the chains from the fire to allow the fire to be pulled forward for servicing.

Built In Heater (non-chimney) Flue Kit (54)

This flue kit may be used in new or existing timber chimneys. The overall height of the flue is 3.6m. Kit is supplied in a carton.



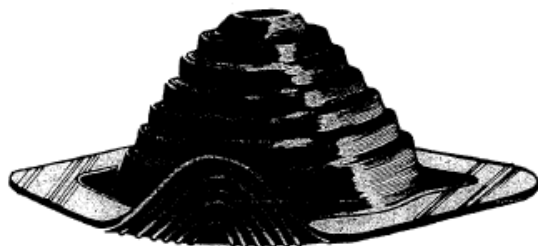
Each 54 Built-in-Heater Flue Kit (non-Chimney installation) contains:-

Part No	Description	Quantity
1	Galvanised outer liner ø100mm x 900mm long	4
2	Stainless steel inner liner ø75mm x 900mm long	4
5	Inner/outer flue liner spacer	2
6c	Ceiling thimble ø107mm hole	1
8	Rain cap 75mm	1
9	Rain cap 100mm	1
10b	Elbow 45° – ø75mm stainless – black (painted)	1
12	T-adaptor/cleanout – ø75mm	1

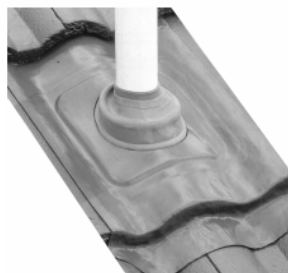
Note: The Davin 54 Built-in-Heater Flue Kit (non-Chimney) complies with AS/NZS 2918:2001 as per Applied Research Test Report 05/1185, dated 15 September 2005. All fires must be installed by a qualified installer as per the manufacturer's instructions and AS/NZS2918:2001.

Flashing Options:

Decktite - For all Steel Roof Profiles



TILEFLASH for Concrete, Clay Tile and Slate Roofs



Please circle the flashing option to be used. When considering an alternative method please consult your local council.

Seismic Restraint

Concrete Floor

Installation scenarios for the Classic FS and Built In Models require the use of hold-down anchors (one on each side)

Fixing to Concrete Floor:

Minimum M8 expansion anchors (M10 recommended) or min M8 epoxy- set anchors.

Approved Anchors: Expansion Anchors-Ramset Dynabolt and Trubolt, Hilti HAS.

Epoxy-set Anchors – Ramset Epcon, Ramset Chemset and Hilti HVU.

Installation of the Insert Model (non-combusitble cavity) requires the use of a seismic restraint chains to be fitted one on each of the fire at the mid-point. The chain should have a breaking strength of at least 350kg or minimum 3.5mm nominal diameter. Chains should be anchored to the floor (not framing or masonry), and should be as short as possible, only allowing access to unbolt the chains from the fire to allow the fire to be pulled forward for servicing.

Timber Floor

Minimum 14g x 60mm screws (6.3mm diameter) or M10 X 90mm coach-screws. These shall be fixed a minimum of 40mm into the centre-line of the existing floor joists. If screws cannot be installed directly into an existing floor joist, solid blocking between joists (min size 90x45) shall be provided.