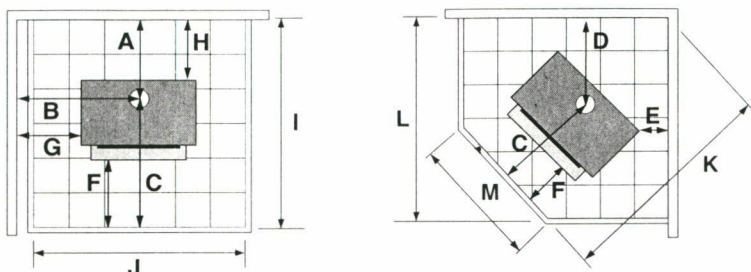


CLEARANCE CHART

Metro woodfires are tested to and comply with NZS7421:1990 or AS/NZS2918:2001 if installed as detailed in the chart below: -

- Measurements listed below are the minimum required, stated in millimetres. Measurements are taken from the following reference points as illustrated: -
 - From the nearest combustable wall or surface (A, B, D, E, G, H)
 - From the Metro's flue centre (A, B, C, D)
 - From the outermost point of the Metro's cabinet / construction (E, F, G, H)
 - To the edge of the ash Floor Protectors non-combustible surface (C, F, I, J, K, L, M)
- The Metro Tiny-Trad, Metro Pioneer and Metro Pioneer Traditional have also been tested with optional "flueshield side extensions". When fitted into an alcove situation not projecting forward of the Metro with flueshield side extensions fitted, clearances "B" and "G" reduce by 80mm for the Pioneer and Pioneer Traditional and 100mm for the Tiny-Traditional.



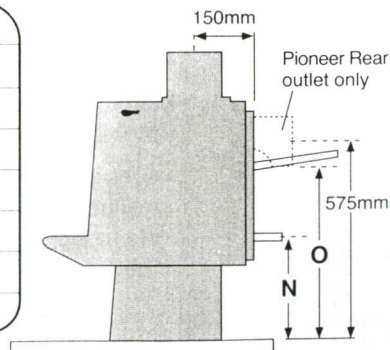
Installation Clearances mm

		A	B	C	D	E	F	G	H	I	J	K	L	M
TINY-TRAD	With Flueshield**	225	445	480	305	25	100	200	75	705	650	920	875	650
	Without Flueshield	605	545		595	315		350	455	1085		1320	1165	
PIONEER & PIONEER TRAD	With Flueshield**	200	595	480	400	85	100	300	50	680	825	1045	950	660
	Without Flueshield	580	595		595	280		300	430	1060		1320	1145	
PIONEER REAR OUTLET		N/A	565	N/A	N/A	100	100	270	60	690	825	1070	965	660
X-TREME & X-TREME TRAD	With Flueshield**	230	575	525	455	110	100	240	80	755	905	1165	1065	740
	Without Flueshield	800	575		595	250		240	650	1325		1365	1205	
ASPIRE & ASPIRE TRAD	With Flueshield**	230	575	525	455	110	100	240	80	755	905	1165	1065	740
	Without Flueshield	800	575		595	250		240	650	1325		1365	1205	
WEE RAD	With Flueshield**	200	555	480	400	80	100	250	50	680	825	1045	950	660
	Without Flueshield	580	555		600	280		250	430	1060		1320	1145	
RAD	With Flueshield**	230	575	525	455	80	100	200	80	755	905	1165	1065	740
	Without Flueshield	800	575		625	250		200	650	1325		1365	1205	
MEGA RAD	With Flueshield**	270	675	625	500	125	100	300	120	895	905	1325	1175	740
	Without Flueshield	540	675		595	220		300	390	1165		1470	1270	

** Ensure the flueshield is fitted so that the lower flue is NOT directly exposed to the rear wall, refer to the instructions supplied with the flueshield.

Dimensions mm	N	O	Width	Depth	Height
TINY-TRAD	295	485	490	530	665
PIONEER & PIONEER TRAD	295	485	590	530	665
PIONEER REAR OUTLET	295	485	590	530	660
X-TREME & X-TREME TRAD	340	530	670	575	715
ASPIRE & ASPIRE TRAD	340	530	670	575	715
WEE-RAD	295	485	607	530	665
RAD	353	543	750	575	745
MEGA RAD	353	543	750	675	745

Note: Both wetback connections are 150mm left of the flue centre, facing the Metro / wall.



FLOOR PROTECTORS

Freestanding Metro Woodfires do not require an insulating Floor Protector, as they are tested and comply with the minimum "ash hearth" requirement of NZS7421:1990, being:-

"A non combustable surface extending 200mm in all directions directly below the door opening"

- Note: - The minimum Floor Protector sizes are specified in the clearance chart above
- A Floor Protector can include ceramic tiles with grouted joints fixed directly onto a wooden floor, or a sheet of toughened glass, panel steel or any other non combustable material laid directly onto a wooden floor.
 - If being installed onto a concrete or other non combustable floor, no Floor Protector is required.

PRE INSTALLATION

Prior to installing your Metro insert into a masonry chimney, it is important that certain clearances and other requirements are complied with as detailed below :-

Chimney – The chimney must be swept and checked for: -

- Cracks and general overall condition, with repairs carried out if necessary by a suitably qualified person.
- Cavity dimensions to ensure the fireplace insert will fit, it is usually necessary to remove the fire bricks from the lower chimney cavity.
- The base of the chimney cavity on which the Metro fireplace insert will rest must be level, if it is not, it should be levelled using mortar.
- If an ash removal door exists in the base of the chimney it should be sealed shut to prevent air entering the cavity.

Mantle – If a timber or combustible mantle shelf exists above the fireplace opening, it should be a minimum distance above the top of the Metro's fascia, minimum distances are:-

- Metro Hi output Insert = 460mm
- Metro Compact Insert = 400mm

If less than the above minimum specified, a deflector or heat shield will be required to be fitted under the mantle.

FLOOR PROTECTOR REQUIREMENTS

Metro fireplace insert's are designed to be installed direct onto a concrete base. A floor protector is required to project in front of the Metro and must extend a minimum of 200mm to each side of the door opening making the minimum floor protector width 825mm. The minimum floor protector projection forward of the Metro is dependant on the height of the fireplace insert above the combustible floor. The following schedule of floor protector projections is measured from behind the Metro fascia being the total floor protector depth as shown in diagram 4 below. Note, the heights specified above the combustible floor can be achieved by: -

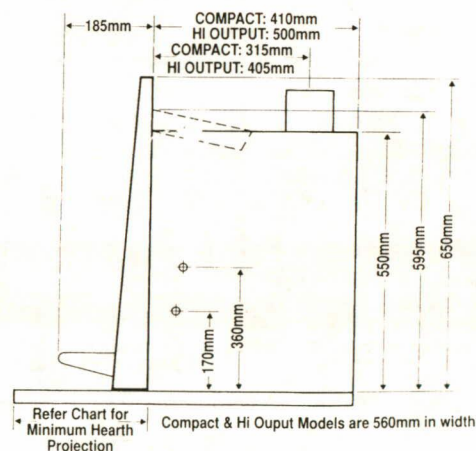
- The thickness of the floor protector
- Or by raising the fireplace insert
- Or a combination of the two

Insert Raised Minimum Floor Protector projection and Type

	Metro Compact	Metro Hi Output
10mm	439mm insulated	455mm insulated
15mm	425mm insulated	445mm insulated
20mm	417mm insulated	436mm insulated
25mm	403mm insulated	424mm insulated
30mm	392mm insulated	408mm insulated
35mm	381mm insulated	396mm insulated
40mm	367mm insulated	366mm insulated
41mm & above	N/A	260mm ash hearth
45mm	356mm insulated	
50mm & above	260mm insulated	

DIAGRAM 4

Fascia Model	Base Width	Body Width
H.T & V.E Fascia	810mm	810mm
Trad Fascia	900mm	810mm



Important

Metro fireplace inserts are tested to and comply with NZS7421:1990 incorporating appendix "J" when installed in accordance with the installation and operation manual supplied with every Metro woodfire.

- A minimum flue length of 4.2 metres of 150mm diameter stainless steel flue is required.
- All flue joints must be sealed and riveted.
- Metro fireplace inserts are available with optional 3kW or 4kW wetbacks.
- Seismic restraint of the fireplace insert is required.

PIONEER

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