

metrofires

2022





SUSTAINABLE DESIGN

We are the only New Zealand wood fire manufacturer to receive an award for Sustainable Product Design from the Designers Institute of New Zealand Best Awards.

Our fires are designed with clean-burning technology to deliver impressive heat output with very low emissions.

We are proud to be recognised as a company designing sustainable wood fires for long lasting performance, easy repair and an economical recycling process once the lifespan of the appliance has ended.



LOCALLY OWNED & NZ MADE

We are a local, family owned and operated company and proudly support local industry and our country's future by manufacturing our fires right here in New Zealand.

We use only the highest quality materials, workmanship and the latest manufacturing techniques to deliver you New Zealand's most extensive range of wood fires.

Superior build quality, extensive research and development, rigorous quality control and a guarantee of workmanship go into every single Metro fire manufactured.



DURABILITY & PERFORMANCE

All fireboxes are fabricated from quality materials with firebox cooktops of single or twin layers of 6mm or 10mm New Zealand steel for performance and durability.

When you buy a new Metro fire, your product warranty is an integral part of that purchase. It's your assurance that we stand behind our products and workmanship.

As a sign of our commitment to quality, we warranty all our fireboxes to be free from defects in material or workmanship under normal use and service.

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LOVE WARMTH. LOVE WOOD.

Many decisions you make on a daily basis affect the planet and the type of heating you install in your home is one of the biggest contributions you can make to the environment.

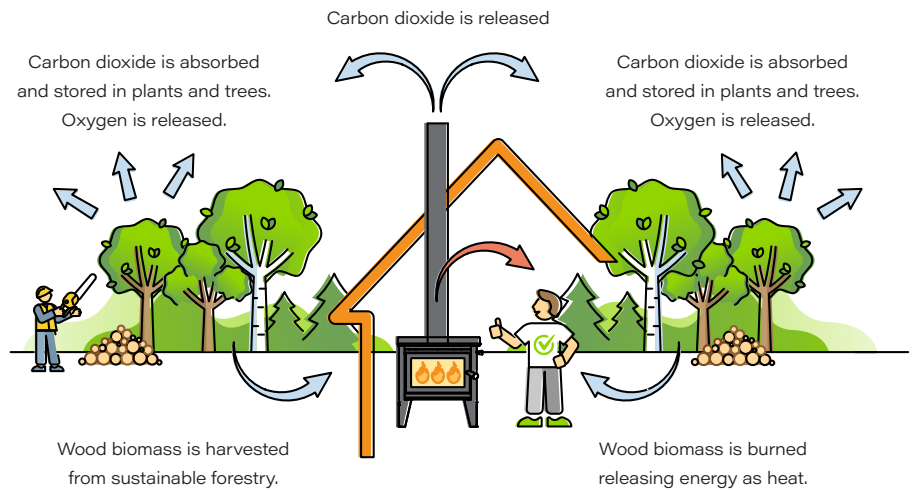
A Metro fire is an excellent environmentally conscious heating choice and will make your home warmer, drier and healthier. A fire creates a focal point in your living space that becomes the heart of your home, whether you choose a freestanding, insert or built-in model.

Choosing the right Metro fire for your home and heating requirements with correct operation and good dry fuel will provide many years of warmth and reliable heating.

Make a heating choice both you and the environment can feel good about. If you love warmth, love wood.



WOOD IS GOOD!



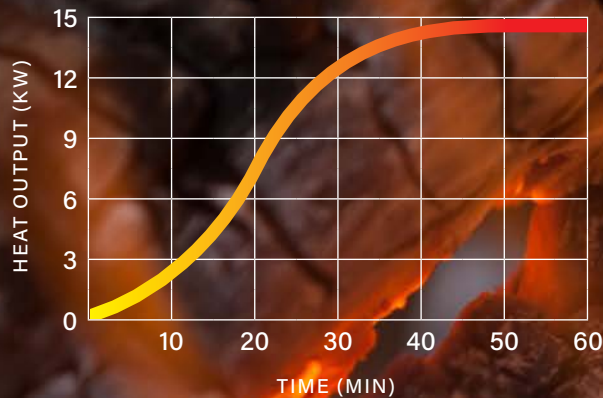
Using wood for warmth has been a practice for well over a million years. Unlike non-renewable fossil fuels, wood is a renewable energy source and when harvested from sustainable forestry, is a better choice for our environment.

As trees grow in their natural ecosystems, they capture carbon from the atmosphere and store it in their biomass. Wood biomass is a natural, carbon neutral fuel and when burnt efficiently and cleanly generates no more carbon dioxide (CO²) than if it was left to decompose naturally. The CO² produced by burning wood is re-absorbed by plants and trees through photosynthesis and is continually exchanged in the carbon cycle.

**LOVE
WOOD**
RENEWABLE ENERGY



IMPRESSIVE HEAT OUTPUT



Metro fires are designed to heat up quickly and reach their peak output within an hour of lighting.

Peak output is detailed in kilowatts (kW) and is the maximum amount of heat that a fire is capable of producing during the burn cycle. Heat output varies for each model and is also dependent on the quality and amount of fuel used and how frequently the firebox is reloaded during operation.

Results illustrated above show a Metro Wee series firebox reaching its 15kW peak output within an hour of lighting.

Talk to your Metro specialist for advice on the best model to deliver the heating capacity your home requires.



Advertised peak outputs (kW ratings) are based on the NZHHA Maximum Output test method which is undertaken by independent International Accredited New Zealand (IANZ) testing facilities. A specific loading method is used with specific fuel to obtain the results, which includes using dry 150mm x 50mm pine and the appliance being loaded and operated on the high setting for an extended period of time. During this time the appliance is periodically refuelled until the appliance reaches its peak output. It is not recommended that the appliance be continually operated at its peak output as this could increase the chance of damage to the appliance firebox and associated parts.

CHOOSE THE BEST FIRE

All Metro display models feature a label to help you choose the best fire for your home and heating requirements. A quick fire guide to easily compare a models peak heat output, heating area and approximate home size. You can also rest assured that the Metro fire you purchase has been independently tested by an IANZ accredited company.

PEAK HEAT OUTPUT (kW)

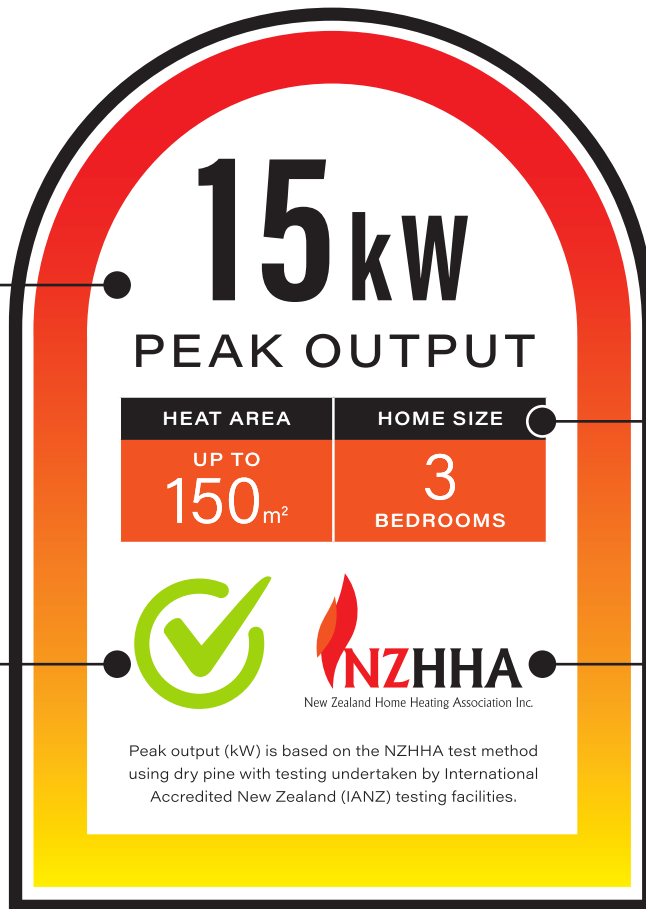
Peak output is detailed in kilowatts (kW) and is the maximum amount of heat that a fire is capable of producing during the burn cycle.

Heat output varies for each model and is dependent on the quality and amount of fuel used and how frequently the firebox is reloaded during operation.

INDEPENDENT IANZ ACCREDITED TESTING

Metro fires are tested by independent International Accredited New Zealand (IANZ) testing facilities.

IANZ accreditation provides assurance that the testing facility operates effective quality processes and provides professional expertise and technical competence that is recognised as world-class.



HEATING AREA GUIDES

These are intended as a guide based on 1kW of heat output = 10m² of heating area. For example a 15kW fire would suit a typical 150m² 3 bedroom home.

Heating area and home sizes are based on a home with a 2.4m ceiling height in an average climate with insulation to current New Zealand standards.

NEW ZEALAND HOME HEATING ASSOCIATION

The New Zealand Home Heating Association plays an active role in the development of appliance and installation standards both nationally and internationally.

The NZHHA also plays a major role in the development and promotion of clean air standards, clean burning and energy and resource conservation.

CLEAN AIR APPROVED MODELS

If you live on a property smaller than 2 hectares, you can install a clean air approved model that meets the National Environmental Standards (NES). These models can be installed into any home in New Zealand unless more stringent regional rules apply.

ULTRA LOW EMISSION MODELS

ULEB's have both ECan and NES approval allowing these models to be installed throughout New Zealand including homes in the Canterbury, Nelson and Rotorua regions. Talk to your council or Metro specialist for any specific emission requirements in your area.

LTD RURAL MODELS (2Ha+)







LTD fires offer extended burn time and can be fitted with a larger capacity wetback ensuring winter warmth, cooking and water heating are all dominant features. These models can only be installed in homes with a property size of two hectares or greater.

WOOD FIRE RANGE

FREESTANDING	Tiny Ped	Tiny Rad	Tiny Rad Woody	Ultra Tiny Rad	Wee Rad Base	Wee Rad Leg	Wee Rad Woody	Ultra Wee Rad	Wee Ped	
										
	MODEL									
	PEAK OUTPUT	11kW	11kW	11kW	14kW	15kW	15kW	15kW	15kW	15kW
	HEATING AREA	120m ²	120m ²	120m ²	140m ²	150m ²	150m ²	150m ²	150m ²	150m ²
	HOME SIZE	2-3 bdrm	2-3 bdrm	2-3 bdrm	2-3 bdrm	3 bdrm	3 bdrm	3 bdrm	3 bdrm	3 bdrm
	WETBACK									
	FINISH									 

FREESTANDING	Xtreme Rad Base	Xtreme Rad Leg	Xtreme Rad Woody	Ultra Xtreme Rad	Xtreme Ped	Ambie One	Ambie Plus	Mega Rad	
									
	MODEL								
	PEAK OUTPUT	18kW	18kW	18kW	18kW	18kW	15kW	18kW	21kW
	HEATING AREA	200m ²	200m ²	200m ²	200m ²	200m ²	150m ²	200m ²	250m ²
	HOME SIZE	4 bdrm	4 bdrm	4 bdrm	4 bdrm	4 bdrm	3 bdrm	4 bdrm	4-5 bdrm
	WETBACK						 *		
	FINISH					 	 	 	

KEY

-  Clean air approved model
-  Ultra low emission model
-  LTD rural model (2Ha+)
-  Wetback capable
-  Metallic black paint finish
-  Gloss black enamel finish

QUALITY COATINGS

Metro fires are finished with either high temp metallic black paint (HT) or gloss black vitreous enamel (VE).



*Wetback options are only available for this model when installed on a property with a land size of 2Ha or greater.

FREESTANDING

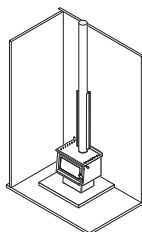
	LTD Wee Rad Base	LTD Wee Rad Leg	LTD Wee Rad Woody	LTD Xtreme Rad Base	LTD Xtreme Rad Leg	LTD Xtreme Rad Woody	LTD Mega Rad
MODEL							
PEAK OUTPUT	15kW	15kW	15kW	18kW	18kW	18kW	21kW
HEATING AREA	150m ²	150m ²	150m ²	200m ²	200m ²	200m ²	250m ²
HOME SIZE	3 bdrm	3 bdrm	3 bdrm	4 bdrm	4 bdrm	4 bdrm	4-5 bdrm
WETBACK	●	●	●	●	●	●	●
FINISH	HT	HT	HT	HT	HT	HT	HT

INSERT & BUILT-IN

	Smart Insert	Smart Built-In	Trend Insert	Trend Built-In	Mega Smart Built-In	Ultra Insert	Ultra Built-In	LTD Smart Insert	LTD Smart Built-In
MODEL									
PEAK OUTPUT	15kW	15kW	15kW	15kW	18kW	15kW	15kW	15kW	15kW
HEATING AREA	150m ²	150m ²	150m ²	150m ²	200m ²	150m ²	150m ²	150m ²	150m ²
HOME SIZE	3 bdrm	3 bdrm	3 bdrm	3 bdrm	4 bdrm	3 bdrm	3 bdrm	3 bdrm	3 bdrm
WETBACK	●	●	●*	●*	●			●	●
FINISH	HT VE	HT VE	VE	VE	HT VE	HT VE	HT VE	HT VE	HT VE

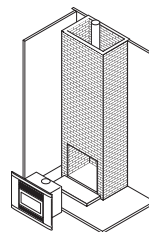
FREESTANDING

Freestanding fires can be installed against a wall or into a corner situation with an ECO flue kit.



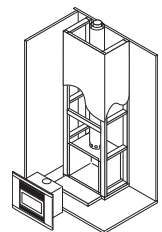
INSERT FIRES

Designed for installation into a masonry chimney and installed with an ECO Insert flue kit.



BUILT-IN FIRES

Designed for installation into a timber framed cavity and installed with an ECO Built-In flue kit.



TINY SERIES FIRES

11 & 14kW PEAK HEAT OUTPUT

HEAT UP TO 140m²
(2-3 BEDROOM HOME)

WETBACK OPTIONS

The Tiny Series offers a range of clean air approved low emission fires designed for smaller homes and open areas.

These compact versatile fires feature surprisingly large volume fireboxes that punch well above their weight in winter heating performance.

Durable New Zealand steel fireboxes deliver both radiant and convection heating. Cook your favourite soup or boil the kettle on the flat cooktop of the radiant models. All models (excluding the Ultra Tiny Rad) can also be fitted with a wetback to assist with water heating.

Model: Ultra Tiny Rad on custom tiled floor





TINY PED

Convection style heating

11kW peak heat output

Heat up to 120m²

2kW wetback option

HT



TINY RAD

6mm radiant cooktop

11kW peak heat output

Heat up to 120m²

2kW wetback option

HT



TINY RAD WOODY

6mm radiant cooktop

11kW peak heat output

Heat up to 120m²

Side wetback option

HT



ULTRA TINY RAD


6mm radiant cooktop


14kW peak heat output

Heat up to 140m²

ECan approved

HT

 Clean air approved model

 Ultra low emission model

WEE SERIES FIRES

15kW PEAK HEAT OUTPUT

HEAT UP TO 150m²
(3 BEDROOM HOME)

WETBACK OPTIONS

The Wee Series offers a mix of clean air approved low emission fires with a selection of LTD models designed for rural and lifestyle properties with a land area of 2Ha or greater. Choose from the popular leg model, pedestal base or wood stacker configurations.

Durable New Zealand steel fireboxes deliver both radiant and convection heating. Enjoy the impressive radiant heat and flame views from the large glass window. All models (excluding the Ultra Wee Rad) can also be fitted with a wetback to assist with your homes water heating.

Model: Wee Rad (leg) on custom tiled floor





WEE RAD (BASE)



6mm radiant cooktop

Side wetback option

HT



WEE RAD (LEG)



6mm radiant cooktop

Side wetback option

HT



WEE RAD (WOODY)



6mm radiant cooktop

Side wetback option

HT



WEE PED



Convection style heating

Side wetback option

HT

VE



ULTRA WEE RAD



6mm radiant cooktop

Convection fan driven heat

ECan approved

HT



LTD WEE RAD (BASE)



6mm radiant cooktop

Extended burn time

3 or 4kW wetback option

HT



LTD WEE RAD (LEG)



6mm radiant cooktop

Extended burn time

3 or 4kW wetback option

HT



LTD WEE RAD (WOODY)



6mm radiant cooktop

Extended burn time

3 or 4kW wetback option

HT

Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

XTREME SERIES FIRES

18kW PEAK HEAT OUTPUT

HEAT UP TO 200m²
(4 BEDROOM HOME)

WETBACK OPTIONS

The Xtreme Series offers a mix of clean air approved low emission fires with a selection of LTD models designed for rural and lifestyle properties with a land area of 2Ha or greater. Choose from the popular leg option, pedestal base or wood stacker configurations.

Large New Zealand steel fireboxes deliver both radiant and convection heating. Enjoy the impressive radiant heat and flame views from the large glass window. All models (excluding the Ultra Xtreme Rad) can also be fitted with a wetback to assist with your homes water heating.

Model: Xtreme Rad (woody) on Alloy medium floor protector





XTREME RAD (BASE)



6mm radiant cooktop
3kW wetback option



XTREME RAD (LEG)



6mm radiant cooktop
3kW wetback option



XTREME RAD (WOODY)



6mm radiant cooktop
3kW wetback option



XTREME PED



Convection style heating
3kW wetback option



ULTRA XTREME RAD



6mm radiant cooktop
Convection fan driven heat
ECan approved



LTD XTREME RAD (BASE)



6mm radiant cooktop
Extended burn time
3 or 4kW wetback option



LTD XTREME RAD (LEG)



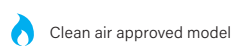
6mm radiant cooktop
Extended burn time
3 or 4kW wetback option



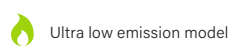
LTD XTREME RAD (WOODY)



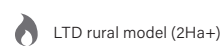
6mm radiant cooktop
Extended burn time
3 or 4kW wetback option



Clean air approved model



Ultra low emission model



LTD rural model (2Ha+)

AMBIENCE NIGHTVIEW

AWARD WINNING DESIGN

INNOVATIVE NIGHTVIEW GLASS

WETBACK OPTIONS

Award winning design with exceptional performance and styling in both metallic black paint and gloss black enamel cabinet finishes. The Ambience models feature the innovative black ceramic NightView glass which comes alive once the fire is lit and begins to burn.

NightView transforms the flame picture by softening the brightness and liveliness of the fire burning for a more relaxing appearance. When the fire is not burning, NightView completely obscures the combustion chamber from view for the fire to integrate cleanly into any home.

Model: Ambie Plus VE on custom tiled hearth

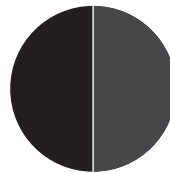




New Zealand's Best Awards showcase the best of what kiwi designers and brands have to offer. The Ambience Series received awards in both Consumer and Sustainability Product Design categories.



NightView softens the brightness and liveliness of the fire burning for a more relaxed appearance. When the fire is not burning the combustion chamber is completely obscured from view.



The Ambience NightView models are available in either metallic black high temperature paint or gloss black vitreous enamel cabinet finishes.

HOT



COLD



AMBIE ONE



15kW peak heat output

Heat up to 150m²

3kW wetback option *

HT VE HT finish shown

AMBIE PLUS



18kW peak heat output

Heat up to 200m²

3kW wetback option

HT VE VE finish shown

Clean air approved model

*Wetback options available for properties with a land area of 2Ha or greater.

MEGA SERIES FIRES

21kW PEAK HEAT OUTPUT

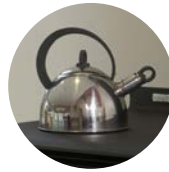
HEAT UP TO 250m²
(4-5 BEDROOM HOME)

WETBACK OPTIONS

The Mega Series offers the two largest fires in the Metro range. Available in both clean air approved low emission and LTD version suitable for rural and lifestyle properties with a land area of 2Ha or greater.

The Mega fires feature a huge firebox with a solid 10mm steel cooktop. The firebox handles hefty firewood with ease and is capable of providing up to 21kW's of peak heat to keep the largest of homes warm and comfortable all winter long. Wetback options are available for both models.

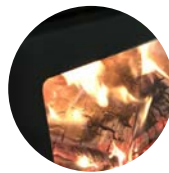




Solid steel 10mm thick radiant cook top with plenty of space for cooking and boiling a kettle. Both models are also wetback capable ensuring winter warmth, cooking and water heating are all dominant features.



The large volume firebox produces a peak heat output of 21kW and can be loaded with wood up to 480mm long. The LTD model delivers longer burn times with responsive air control adjustment.



Huge 600mm wide landscape door glass delivers panoramic fire side views. Enjoy watching the flames through a clean and clear glass door thanks to Metro's clever airwash technology.



MEGA RAD

10mm radiant cooktop

3kW wetback option




LTD MEGA RAD


10mm radiant cooktop

Extended burn time

3 or 4kW wetback option



 Clean air approved model

 LTD rural model (2Ha+)

INSERT & BUILT-IN FIRES

15-18kW PEAK HEAT OUTPUTS

HEAT UP TO 200m²
(4 BEDROOM HOME)

WETBACK OPTIONS

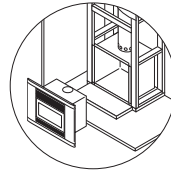
An Insert model is the perfect fit for replacing an inefficient open fireplace or older style insert fire. Insert models are designed for installation into an existing masonry chimney with the Metro ECO Insert flue kit.

Insert models can also be fitted with an appliance specific Vented Zero Clearance Cabinet (VZCC) and installed into a purpose-built timber framed cavity (false chimney).

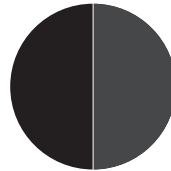
The Mega Smart is a dedicated 'Built-In' fire and features a VZCC pre-fitted to its firebox for direct installation into a timber framed cavity. All Built-In installations must be installed with a Metro ECO Built-In flue kit.

Model: Mega Smart Built-In VE installed into a timber framed cavity with an ECO Built-In flue kit and custom granite floor protector





All Metro Insert models can be installed into a purpose-built timber framed cavity (false chimney) by using an appliance specific Vented Zero Clearance Cabinet (VZCC) and ECO Built-In flue kit.



Most Metro Insert and Built-In models are available in both metallic black high temperature paint and gloss black vitreous enamel finish fascias.



TREND INSERT *



15kW peak heat output
Heat up to 150m²
Convection fan driven heat
3 or 4kW wetback option



SMART INSERT



15kW peak heat output
Heat up to 150m²
Smart wetback option



MEGA SMART BUILT-IN



18kW peak heat output
Heat up to 200m²
Mega Smart wetback option



ULTRA INSERT



15kW peak heat output
Heat up to 150m²
Convection fan driven heat



LTD SMART INSERT



15kW peak heat output
Heat up to 150m²
Extended burn time
Smart wetback option



Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

*Thermo fan required in clean air zones. Wetback options available for properties with a land area of 2Ha or greater.

OUTDOOR 850

PIZZA OVEN & OUTDOOR FIRE
SOLID CORTEN STEEL FIREBOX
STAINLESS STEEL FLUE SYSTEMS
COOKING TOOL KIT

The versatile Outdoor 850 delivers impressive heat, ambience and cooking capabilities to your outdoor living.

The wide landscape door glass provides panoramic fireside views, safety during operation and prevents any wind blown ash and smoke nuisance.

All 850's feature a removable cooking grill and pizza stone with a built-in firebox temperature gauge to indicate optimum cooking temperatures. A cooking tool kit including pizza peel, ember rake and grill lifter provides all the operational tools you need.

Sear food to perfection on the cooking grill, slide in the pizza stone and watch the mozzarella melt, or simply sit back and relax in the radiant warmth.



Freestanding and roof penetration flue systems are available for all Outdoor 850 models





OUTDOOR 850-B



The 850B is the perfect option when you want a customised setup and will build your own base.

The 850B is supplied with stainless steel levelling feet allowing you to install the fire onto a non-combustible plinth or benchtop to your desired design.



OUTDOOR 850-P



The 850P features a solid Corten pedestal base with a large foot for secure placement and stability.

Pre-drilled holes in the pedestal foot align with the Outdoor floor protector for installation onto a timber deck and to provide seismic restraint.



OUTDOOR 850-T



The 850T features a large volume stainless steel trolley for practical storage of your firewood, cooking grill and pizza stone.

Heavy duty braked castors provide secure placement and the flexibility to move the fire around your outdoor living area.

OUTDOOR 1200 BRAAI

BRAAI / BARBECUE & OUTDOOR FIRE
SOLID CORTEN STEEL FIREBOX
STAINLESS STEEL FLUE SYSTEM
COOKING ACCESSORY KIT

The Outdoor 1200 Braai offers an incredibly versatile and exciting way to cook and provides a great place for family and friends to gather. The unique style of wood fired BBQ lets you cook a variety of food and juicier meats while delivering distinctive smokey wood fired flavours.

The ember maker is loaded with fuel to provide a continuous supply of hot embers during cooking. The stainless steel grills and cast iron plate can be used on either side of the ember maker and placed at a range of cooking heights for both direct and indirect grilling.

All cooking grills and accessories are easily removed after cooking to use the Outdoor 1200 as an outdoor fireplace to keep your guests warm as the evening cools down.

INSERT
OPTION

Installation into a non combustibile masonry structure is available for the Outdoor 1200 Braai





OUTDOOR 1200



Extend your outdoor living with the Outdoor 1200 to enjoy entertaining all year round.

The versatile Outdoor 1200 is designed for installation onto a non-combustible plinth or benchtop to your desired design. An Insert option and specific flue system are also available for installations into a non-combustible masonry structure.



OUTDOOR 1200-T



The aluminium and stainless steel trolley provides storage for your firewood and features built-in rails to slide the door neatly underneath the appliance during operation.

Heavy duty braked castors provide secure placement and the flexibility to move the unit around your outdoor living area.

HEAT YOUR HOME FASTER

- INCREASED EFFICIENCY & DRAW
- LESS FUEL CONSUMPTION
- REDUCED WIND NOISE
- STAINLESS STEEL LINER OPTION

An ECO flue differs from a Standard flue due to the much higher efficiency it operates at. All flue systems need moving air between the liners to ensure the outer flue liners remain cool. A Metro ECO flue draws air from either your homes ceiling cavity or from outside your home, unlike a Standard flue which draws air directly from the room being heated by the wood fire.

Lab testing of a Standard flue showed the air heated by the wood fire being drawn from the room at an astounding rate of 450 litres per minute. This lost warm air is then replaced by cooler air drawn into the room from other parts of the home at the same rate, causing a constant incoming draught. This requires your fire to be operated at a higher burn rate to continually heat the incoming cold air.

Because Standard flue liners are open to the outside environment, you may also notice wind noise inside the home during windy days.

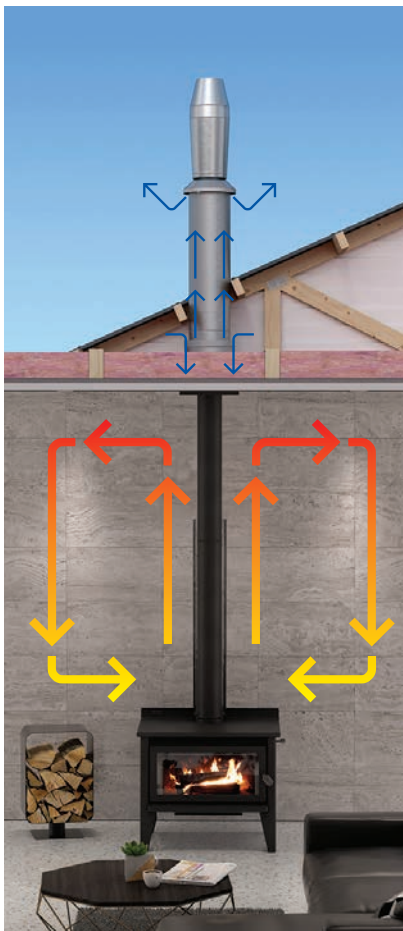


TESTED. APPROVED. RECOMMENDED



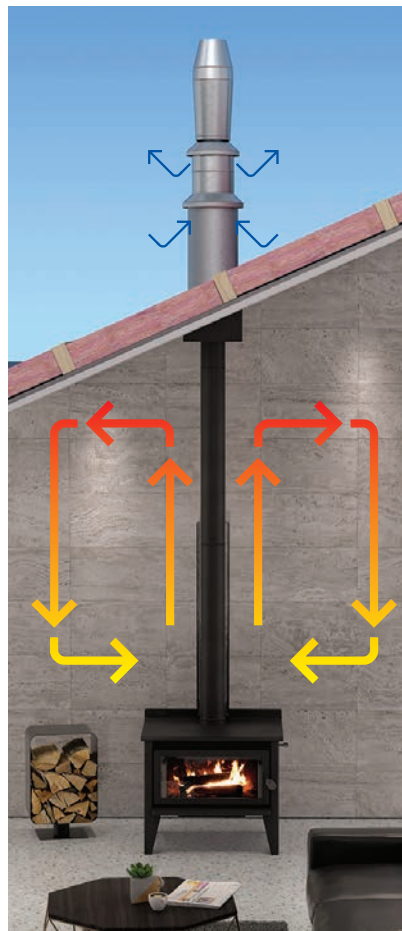


A Metro ECO Flue heats your home sooner and more efficiently. Once your home is heated to the desired temperature, your fire can be turned to a lower setting, consuming less firewood and saving you money.



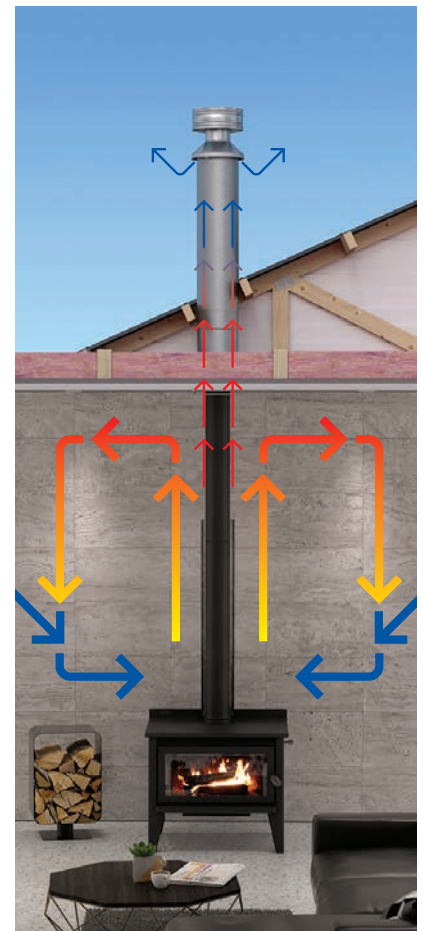
ECO FLUE KIT

Ventilation is drawn into the flue liners from either your homes ceiling cavity or from outside your home (add the ECO option kit). This allows all the heat generated by your wood fire to remain inside the home. Wind noise inside the home is also reduced as the ECO flue liners are 'sealed' at ceiling level.



ECO FLUE + ECO OPTION KIT

The ECO option kit is an additional kit installed with the ECO flue kit for homes that don't have a vented ceiling cavity or homes that feature a sloping ceiling. Ventilation for the ECO flue is drawn into the flue liners from outside the home allowing all the heat generated by your wood fire to remain inside the home.



STANDARD FLUE KIT

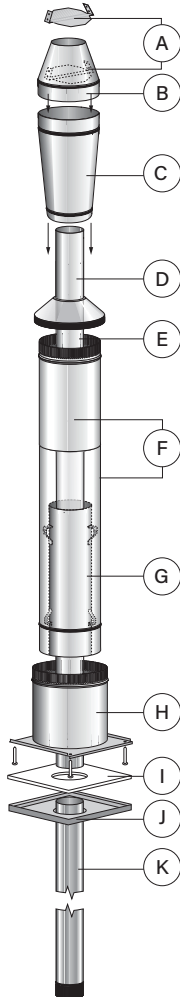
Ventilation for a Standard flue kit is drawn into the flue liners from the room being heated by your wood fire. This lost warm air is then replaced by cooler air drawn into the room from other parts of the home at the same rate causing a constant incoming draught.

ECO FLUE KIT COMPONENTS

ECO FLUE KIT **G SS**

Suitable for freestanding wood fires installed into a home with a vented ceiling cavity.

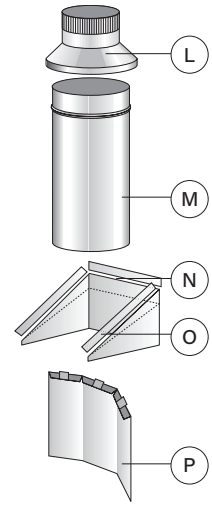
A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	1 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 1200mm x 250mm diameter galvanised outer casing with 750mm long slip section
G	1 x 800mm x 200mm diameter galvanised inner casing
H	1 x galvanised mounting plate with brackets and 300mm long x 300mm diameter casing attached
I	1 x insulation gasket
J	1 x black clip-on ceiling plate
K	2 x 1200mm lengths of 150mm diameter stainless steel flue pipe painted metallic black
+	1 x bag of assembly bolts



ECO OPTION KIT **G SS**

An additional kit installed with the ECO flue kit for homes that don't have a vented ceiling cavity or homes that feature a sloping ceiling.

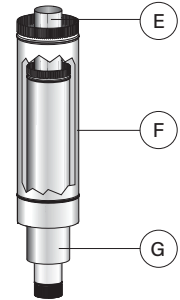
L	External intake flashing cone
M	1 x 780mm x 300mm diameter galvanised outer casing
N	Dropbox infill panel
O	Dropbox edge covers
P	Ceiling plate mounted heat shield



ECO EXTENSION KIT **G SS**

Suitable for extending all Metro flue systems within the roof space and outside the home.

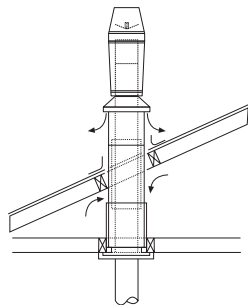
E	1 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 1200mm x 250mm diameter galvanised outer casing
G	1 x 1200mm x 200mm diameter galvanised inner casing



SINGLE STOREY INSTALLATION

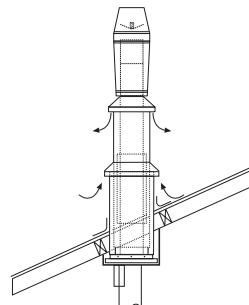
Shown (right) are the most common installation methods for installing the ECO flue kit in a single storey home.

To ensure safe and compliant installation, this flue system must be installed as detailed by either a registered installer, or someone competent in the installation of solid fuel appliances.



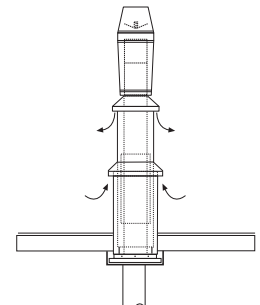
Flat ceiling/cavity

Requires the ECO flue kit as air is drawn into the flue system directly from the homes vented ceiling cavity.



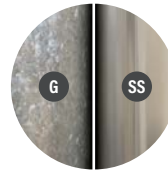
Sloping ceiling

Requires both the ECO flue kit and ECO option kit to enable air to be drawn into the flue system from outside the home.



Flat ceiling/roof

Requires both the ECO flue kit and ECO option kit as per sloping ceiling unless a vented ceiling cavity exists.



All Metro ECO flue kits (excluding the Insert kits) are available with either galvanised or stainless steel outer casings. Stainless steel outer casings are recommended for all coastal installations and where a superior level of finish is required.

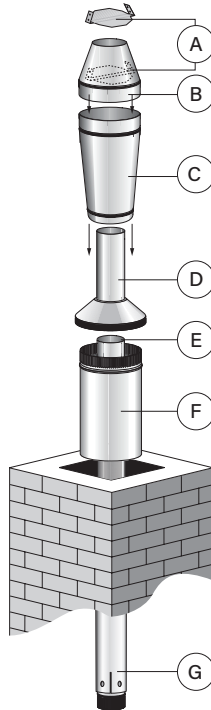
ECO INSERT KIT **G**

Suitable for the Smart and Trend Inserts when installed into a masonry chimney.

ULTRA INSERT KIT **G**

Required with the Ultra Insert when installed into a masonry chimney.

A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	(ECO Insert kit only) 3 x 1200mm x 150mm diameter stainless steel flue pipe
E	(Ultra Insert kit only) 2 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 600mm x 250mm diameter galvanised outer casing
G	(Ultra Insert kit only) 1 x 1300mm x 150mm diameter stainless steel flue pipe and liner



ECO BUILT-IN KIT **G SS**

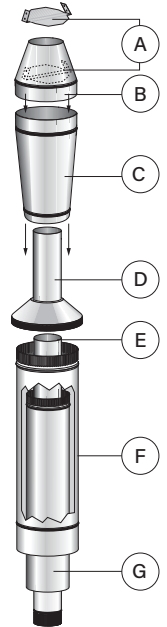
Required with all Metro Built-In fires and Metro Insert fires with a Vented Zero Clearance Cabinet (VZCC) when installed into a timber framed cavity (false chimney).

The ECO Built-In kit consists of 3x ECO extension kits and an ECO Cowl.

Suitable for the following models:

- Smart Insert models + Smart VZCC
- Trend Insert + Trend VZCC
- Ultra Insert + Ultra VZCC
- Mega Smart Built-In

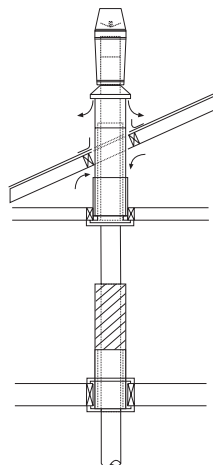
A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	3 x 1200mm x 150mm diameter stainless steel flue pipe
F	3 x 1200mm x 250mm diameter galvanised outer casing
G	3 x 1200mm x 200mm diameter galvanised inner casing



TWO STOREY INSTALLATION

Shown (right) are the most common installation methods for installing the ECO flue kit in a two storey home.

To ensure safe and compliant installation, this flue system must be installed as detailed by either a registered installer, or someone competent in the installation of solid fuel appliances.

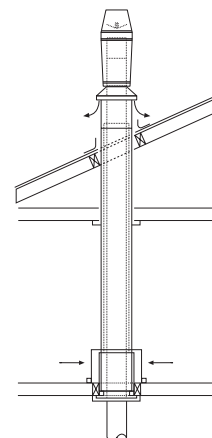


2nd floor exposed flue pipe

Requires the ECO flue kit with additional lengths of 150mm flue pipe.

Additional components below are not supplied by Metro Fires but are also required for this installation in accordance with AS/NZS 2918.

- A floor penetration kit
- 1 x 1200mm long mesh/screen



2nd floor enclosed flue pipe

Requires the ECO flue kit with additional lengths of 150mm flue pipe.

Additional components below are not supplied by Metro Fires but are also required for this installation in accordance with AS/NZS 2918.

- 200mm and 250mm inner/outer combination liners
- 2nd floor vent cover and additional ceiling plate with a 250mm diameter hole

FLOOR PROTECTORS

ASH HEARTH FLOOR PROTECTORS
COMPLIANT WITH AS/NZS 2918
LAY OVER ANY FLOORING SUBSTRATE
QUICK & EASY INSTALLATION

All Metro freestanding fires only require an ash hearth floor protector to comply with the AS/NZS 2918 Safety Standard.

Metro floor protectors offer a ready-made solution in a range of styles and sizes that can be laid directly on top of any flooring substrate (carpet, vinyl, timber etc) for quick and easy installation.

Alloy trim floor protectors are finished with anodised black extruded aluminium trim and black tiles. Slimline floor protectors are lightweight aluminium sheet with a low profile thickness and are finished in black powder coat.

Timber trim floor protectors are available in the full range of tile options and colours. The timber trim is oiled with a natural stain, waxed and polished to enhance the grain.



Pine and rimu trim floor protectors are available in a range of tile colours. See instore for samples.





ALLOY WALL

Black tiles and alloy trim

30mm thickness

4 sizes available

BK



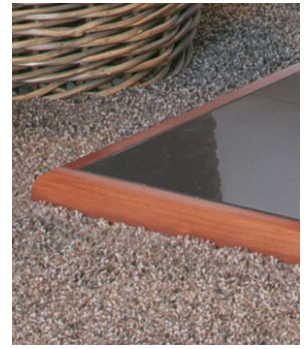
SLIMLINE WALL

Lightweight aluminium sheet

Black powder coat finish

2 sizes available

BK



PINE WALL

Pine trim + tile options

25mm thickness

2 sizes available

BK GR CC TE CH GA



RIMU WALL

Rimu trim + tile options

40mm thickness

2 sizes available

BK GR CC TE CH GA



ALLOY CORNER

Black tiles and alloy trim

30mm thickness

3 sizes available

BK



SLIMLINE CORNER

Lightweight aluminium sheet

Black powder coat finish

2 sizes available

BK



PINE CORNER

Pine trim + tile options

25mm thickness

2 sizes available

BK GR CC TE CH GA



RIMU CORNER

Rimu trim + tile options

40mm thickness

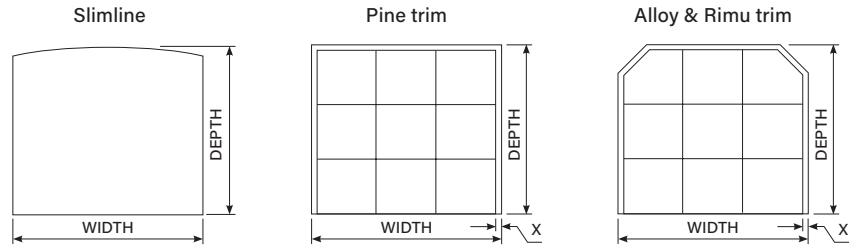
3 sizes available

BK GR CC TE CH GA

COLOUR / TILE

- BK** Black
- GR** Granite
- CC** Charcoal
- TE** Terracotta
- CH** Champagne
- GA** Galaxy

WALL FLOOR PROTECTORS



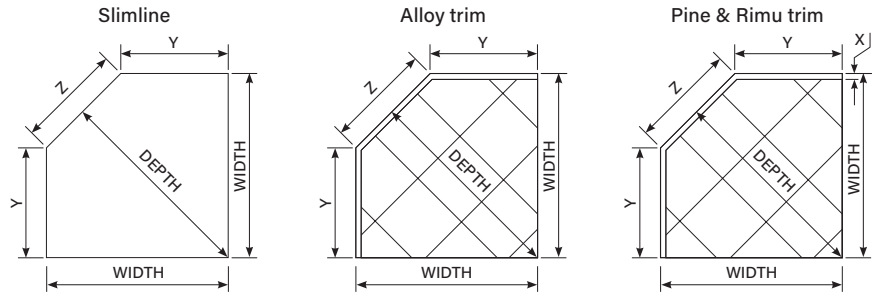
	Alloy Tiny	Alloy Small	Alloy Medium	Alloy Deep	Slimline Small	Slimline Medium	Pine Medium	Pine Deep	Rimu Medium	Rimu Deep
Width	650	855	1042	1042	855	1042	955	955	980	980
Depth	830	840	1015	1148	840	1015	935	1085	945	1100
X Dimension (trim)	-	-	-	-	-	-	23	23	35	35
Tiny Ped	●	●	●	●	●	●	●	●	●	●
Tiny Rad	●	●	●	●	●	●	●	●	●	●
Tiny Rad Woody	●	●	●	●	●	●	●	●	●	●
Ultra Tiny Rad			●	●		●	●	●	●	●
Wee Rad - Base			●	●		●	●	●	●	●
Wee Rad - Leg		●	●	●	●	●	●	●	●	●
Wee Rad - Woody			●	●		●	●	●	●	●
Ultra Wee Rad		●	●	●	●	●	●	●	●	●
Wee Ped		●	●	●	●	●	●	●	●	●
Ambie One		●	●	●	●	●	●	●	●	●
Ambie Plus			●	●		●		●		●
Xtreme Rad - Base & Leg			●	●		●	●	●	●	●
Xtreme Rad - Woody			●	●		●	●	●	●	●
Ultra Xtreme Rad			●	●		●	●	●	●	●
Xtreme Ped			●	●		●	●	●	●	●
Mega Rad			●	●		●				
LTD Wee Rad - Base		●	●	●	●	●	●	●	●	●
LTD Wee Rad - Leg		●	●	●	●	●	●	●	●	●
LTD Wee Rad - Woody			●	●		●	●	●	●	●
LTD Xtreme Rad - Base & Leg			●	●		●	●	●	●	●
LTD Xtreme Rad - Woody			●	●		●	●	●	●	●
LTD Mega Rad			●	●		●				

Slimline and Alloy floor protectors - The overall dimensions constitute an 'ash hearth floor protector' as the Slimline and Alloy trim are both non combustible materials.

Pine and Pacific Rimu floor protectors - When calculating the floor protector your heating appliance requires, the ash hearth floor protector is the tiled area only. Timber trim measurement 'X' does not form part of the 'ash hearth floor protector' and must be deducted from your calculations.

Dimensions shown are nominal only and are in millimetres (mm). All suitable floor protector indications include a 10mm minimum skirting board allowance.

CORNER FLOOR PROTECTORS



	Alloy 1000	Alloy 1150	Alloy 1300	Slimline 1000	Slimline 1150	Pine 1000	Pine 1150	Rimu 1000	Rimu 1150	Rimu 1300
Width	1000	1150	1300	1000	1150	1000	1150	1000	1150	1300
Depth	1180	1310	1493	1180	1310	1180	1310	1180	1310	1525
X Dimension (trim)	-	-	-	-	-	23	23	35	35	35
Y Dimension	670	700	814	670	700	670	700	670	700	863
Z Dimension	465	640	689	465	640	465	640	465	640	619
Tiny Ped	●	●	●	●	●	●	●	●	●	●
Tiny Rad	●	●	●	●	●		●		●	●
Tiny Rad Woody	●	●	●	●	●	●	●	●	●	●
Ultra Tiny Rad	● ¹	●	●	● ¹	●		●		●	●
Wee Rad - Base		●	●		●		●		●	●
Wee Rad - Leg	● ¹	●	●	● ¹	●		●		●	●
Wee Rad - Woody		●	●		●		●			●
Ultra Wee Rad		●	●		●		●		●	●
Wee Ped	● ²	●	●	● ²	●		●		●	●
Ambie One	●	●	●	●	●	●	●	●	●	●
Ambie Plus			●							●
Xtreme Rad - Base & Leg		●	●		●		●		●	●
Xtreme Rad - Woody		●	●		●					●
Ultra Xtreme Rad		●	●		●		●		●	●
Xtreme Ped		●	●		●		●		●	●
Mega Rad			●							●
LTD Wee Rad - Base		●	●		●		●		●	●
LTD Wee Rad - Leg	●	●	●	●	●		●		●	●
LTD Wee Rad - Woody		●	●		●		●			●
LTD Xtreme Rad - Base & Leg		●	●		●		●			●
LTD Xtreme Rad - Woody		●	●		●					●
LTD Mega Rad			●							●

1 This model must have the Pioneer corner wing shields fitted to be able to be installed onto this size floor protector.

2 This model must have the Pioneer flue shield side extensions fitted to be able to be installed onto this size floor protector.

HEAT TRANSFER

Metro heat transfer systems perfectly partner with your fire by distributing excess heat trapped at ceiling level via an insulated ducting system to warm other parts of your home.

This warm air then recirculates back to the living space with the wood fire to keep a continual cycle of warm air moving throughout your home during winter. Create a dry, healthy environment and reduce condensation and dampness in your home.

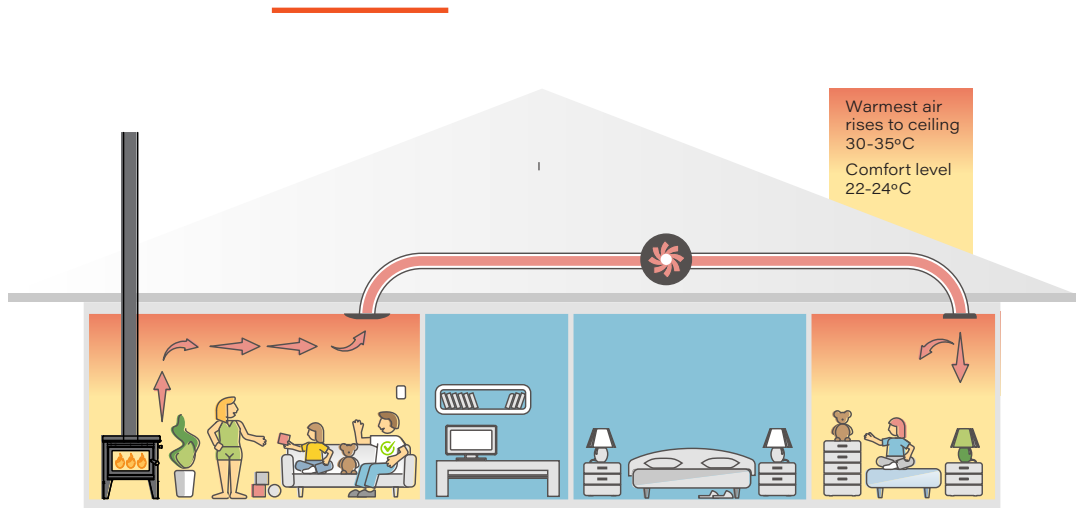
1 ROOM HEAT TRANSFER DUCTED SYSTEM

- Thermostat controller

- 1 speed inline fan

- Insulated ducting

- Max airflow - 320m³ per hour



SYSTEM COMPONENTS

- 1 x 150mm diameter intake • 1 x thermostat • 2 x 3m lengths of 150mm diameter insulated duct
- 1 x 150mm diameter inline fan • 1 x 150mm diameter adjustable cone outlet diffusers • 2 x rolls of ducting tape

3 ROOM HEAT TRANSFER DUCTED SYSTEM

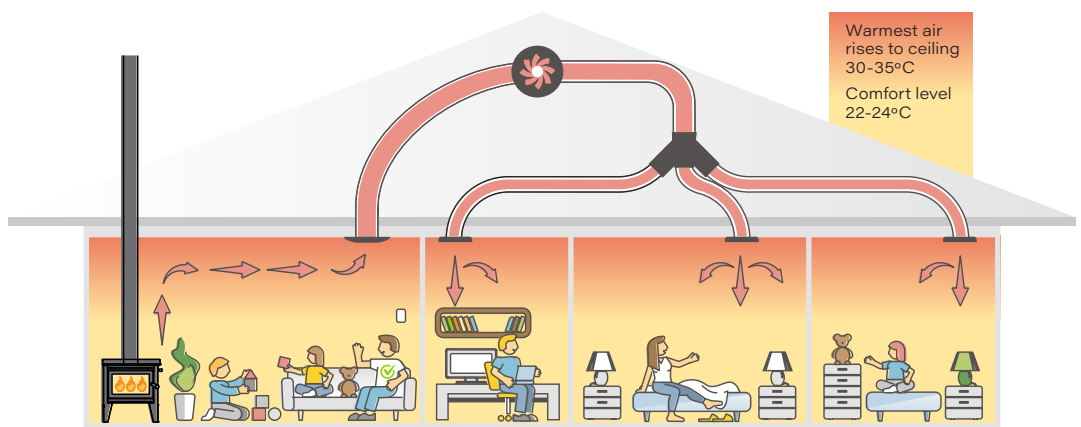
- LCD touch screen controller

- 3 speed fan mixed flow fan

- Max airflow - 910m³ per hour

- Insulated acoustic ducting

- Additional outlet options

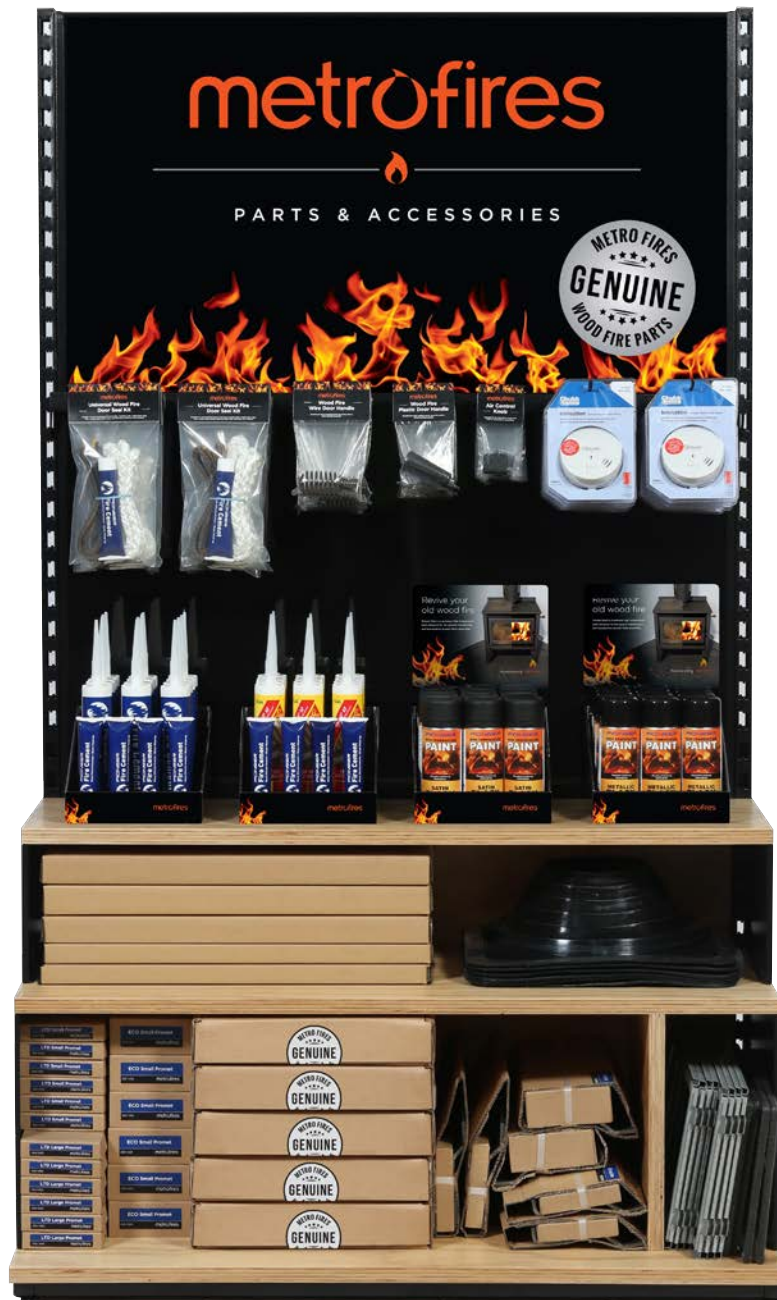


SYSTEM COMPONENTS

- 1 x 200mm diameter intake • 1 x LCD thermostat / 3 speed fan controller • 1 x 200mm diameter 3 speed fan module
- 2 x 3m lengths of 200mm diameter insulated acoustic duct • 1 x 3 way splitter • 3 x 3m lengths of 150mm diameter insulated duct
- 3 x 150mm diameter adjustable cone outlet diffusers • 4 x rolls of ducting tape

PARTS & MAINTENANCE

A Metro fire will give you many years of efficient service with minimal maintenance when operated correctly using dry, well seasoned fuel. The unique firebox design features only minimal working parts that require maintenance and servicing. We continue to manufacture and supply genuine Metro parts for every wood fire that we've manufactured and we guarantee this for 25 years from the last date of production for all models.



SPECIFICATIONS

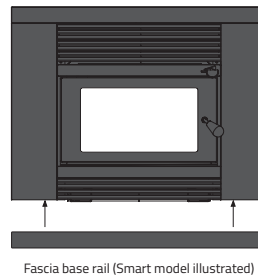
Metro Insert and Built-In models are tested to comply with AS/NZS 2918 incorporating Appendix 'E' when installed in accordance with the manufacturers Installation and Operation manuals and the applicable Vented Zero Clearance Cabinet installation manuals.

Insert fascia base rail

Installation of a Metro Insert into a Vented Zero Clearance Cabinet (VZCC) elevates the firebox and fascia by 45mm. To complete the installation and conceal this space you can either construct a suitable floor protector or fit a Fascia Base Rail.

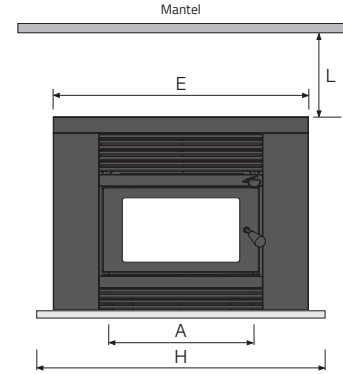
Fascia Base Rails are available in either metallic black paint or gloss black enamel finish to match the fascia. (Available for Smart & Ultra Insert models only).

Fascia base rail



Fascia base rail (Smart model illustrated)

Mantel clearance



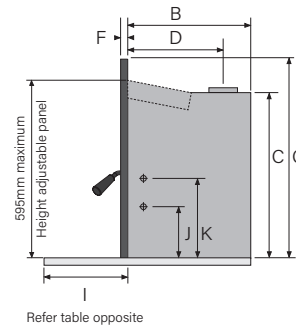
Mantel clearance

A timber or combustible mantel above the fireplace opening should be a minimum distance (L) above the top of the Metro's fascia as detailed in the table opposite. If the clearance is less than the minimum specified, a heat shield will be required under the mantel using the relevant detail in AS/NZS 2918.

Floor protector (hearth) requirements

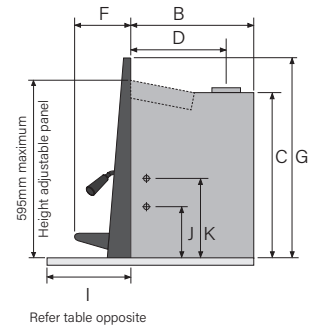
The floor protector for Insert and Built-In models must project from behind the fascia the distance specified in the table opposite and must extend a minimum of 200mm from each side of the firebox door opening. The minimum projection is the distance from the front of the wall lining (behind the fascia) to the front non combustible point of the floor protector.

Smart Insert models



Refer table opposite

Trend Insert



Refer table opposite

Wetback installation

Smart Insert models (Smart wetback)

Fits to either left or right hand side of the firebox externally.

Trend Insert (3 or 4kW wetback) *

The Trend Insert can only be fitted with a wetback on properties with a land area of 2Ha or greater. Fits to either left or right hand side of the firebox internally.

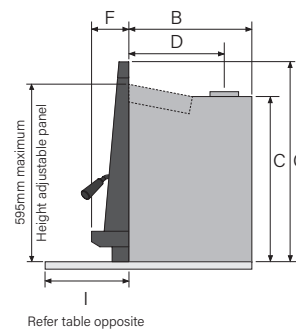
Mega Smart Built-In (Mega Smart wetback)

Fits to either left or right hand side of the firebox externally.

Ultra Insert

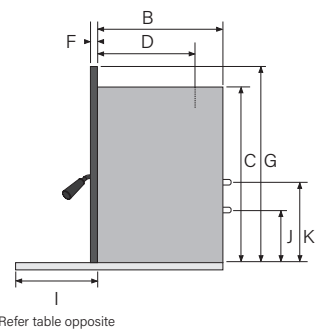
This model cannot be fitted with a wetback.

Ultra Insert





















Refer table opposite

Mega Smart Built-In



Refer table opposite

		Smart Insert	Smart Built-In	Trend Insert	Trend Built-In	Mega Smart Built-In	Ultra Insert	Ultra Built-In	LTD Smart Insert	LTD Smart Built-In
										
										
A	FIREBOX WIDTH	560	693 ¹	560	693 ¹	860	580	690 ¹	560	693 ¹
B	FIREBOX DEPTH	495	566 ¹	500	625 ¹	631	530	623 ¹	495	566 ¹
C	FIREBOX HEIGHT	550	695 ¹	550	695 ¹	814	550	704 ¹	550	695 ¹
D	FLUE CENTRE	405	405	405	405	445	405	405	405	405
E	FASCIA WIDTH	890	890	810	810	1057	810	810	890	890
F	FASCIA DEPTH	30	30	185	185	30	120	120	30	30
G	FASCIA HEIGHT	672	672	650	650	822	654	654	672	672
H	MIN. HEARTH WIDTH	890	890	825	825	1057	825	825	890	890
I	MIN. HEARTH PROJECTION	312	460	300	300	505	300	440	312	460
J	WETBACK INLET	130	175	170 ²	215 ²	212	-	-	130	175
K	WETBACK OUTLET	325	370	360 ²	405 ²	402	-	-	325	370
L	MANTEL CLEARANCE	475	460	340	340	500	500	450	475	460

Floor protector heights and projection (I)

0	FLOOR LEVEL	395	460 MINIMUM PROJECTION REQUIRED	300 MINIMUM PROJECTION REQUIRED	300 MINIMUM PROJECTION REQUIRED	505 MINIMUM PROJECTION REQUIRED	402	440 MINIMUM PROJECTION REQUIRED	395	460 MINIMUM PROJECTION REQUIRED
10mm	ABOVE FLOOR LEVEL	371					378		371	
15mm	ABOVE FLOOR LEVEL	371					-		371	
20mm	ABOVE FLOOR LEVEL	353					360		353	
25mm	ABOVE FLOOR LEVEL	353					-		353	
30mm	ABOVE FLOOR LEVEL	332					339		332	
35mm	ABOVE FLOOR LEVEL	332					-		332	
40mm	ABOVE FLOOR LEVEL	312					320		312	
41mm	ABOVE FLOOR LEVEL	312					-		312	
50mm	ABOVE FLOOR LEVEL	-					300		-	

Floor protector type and construction

	INSULATED	-	ASH	-	-	INSULATED	-	INSULATED	-
INSERT (ALL FLOOR TYPES)	INSULATED	-	ASH	-	-	INSULATED	-	INSULATED	-
BUILT-IN (COMBUSTIBLE FLOOR)	-	INSULATED	-	INSULATED	INSULATED	-	INSULATED	-	INSULATED
BUILT-IN (NON COMBUSTIBLE FLOOR)	-	ASH	-	ASH	ASH	-	ASH	-	ASH

INSULATED - Recommended construction of tiles on 26mm thick Eterpan LD board or equivalent / ASH - Recommended construction of tiles on 6mm thick non-combustible board

Please note: All measurements detailed above are in millimetres (mm). Insert model measurements exclude the 13mm insulating blanket.

- These dimensions are for the Vented Zero Clearance Cabinet and include the spacer blocks fitted. Flue spigot liner assembly is not included in the dimensions.
- Wetback options are only available for the Trend Insert when installed onto properties of 2Ha or greater.

SPECIFICATIONS

Metro freestanding wood fires comply with AS/NZS 2918.

Minimum installation clearances are in millimetres (mm) with a Pioneer double flue shield fitted to the appliance / flue pipe.

AS/NZS 2918 allows for a reduction in minimum clearances as detailed in Tables 3.1 and 3.2 of the Standard. Selected Metro models have undergone additional testing for reduced installation clearances. See the footnotes below the table.

All clearances are measured from the following reference points as illustrated in the diagrams opposite.

- The nearest combustable wall or surface (A, B, D, E, G, H)
- The Metro's flue centre (A, B, C, D)
- The Metro's cabinet / heatshield outermost point (E, F, G, H)
- The edge of the ash floor protectors non-combustible surface (C, F, I, J, K, L, M).

	Tiny Ped	Tiny Rad	Tiny Rad Woody	Ultra Tiny Rad	Wee Rad Base	Wee Rad Leg	Wee Rad Woody	Ultra Wee Rad	Wee Ped	Xtreme Rad Base	Xtreme Rad Leg	Xtreme Rad Woody
A	211	230	251	280	271	251	271	268	263	251	251	251
B	433	553	568	578	678	568	708	658	651	650	650	680
C	580	585	580	611	580	580	580	580	580	630	630	630
D	290	419	382	430 ¹	486	456 ²	506	497 ³	473 ⁴	458	458	478
E	25	150	110	160 ¹	180	150 ²	200	190 ³	170 ⁴	100	100	120
F	235	232	232	233	232	232	232	232	230	227	227	227
G	185	300	310	320	370	260	400	350	350	280	280	310
H	60	75	100	110	120	100	120	100	110	100	100	100
I	791	815	831	891	851	831	851	848	843	881	881	881
J	650	650	650	725	825	825	825	825	825	907	907	907
K	990	1180	1120	1220 ¹	1270	1225 ²	1295	1285 ³	1250 ⁴	1280	1280	1306
L	780	910	870	977 ¹	1048	1016 ²	1066	1059 ³	1034 ⁴	1084	1084	1103
M	250	250	250	325	425	425	425	425	425	507	507	507
N	280	280	365	-	295	295	365	-	295	312	312	382
O	470	470	555	-	485	485	555	-	485	502	502	572
WIDTH	496	505	515	515	615	615	615	615	602	740	740	740
DEPTH	492	508	498	547	501	501	501	515	503	554	554	554
HEIGHT	659	667	758	688	691	688	758	691	665	743	743	813

1 Ultra Tiny Rad corner clearance (E) can be reduced to 125mm with Corner Wing Shields fitted. This also reduces clearances (D) to 396mm, (K) to 1171mm and (L) to 943mm.

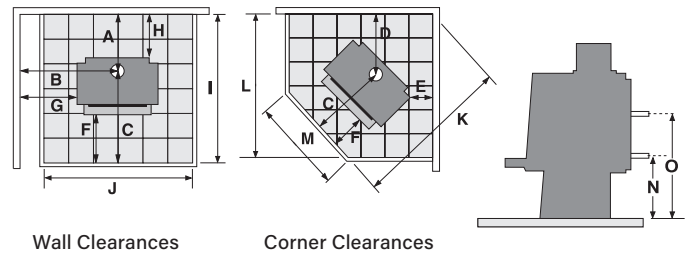
2 Wee Rad (Leg) corner clearance (E) can be reduced to 120mm with Corner Wing Shields fitted. This also reduces clearances (D) to 426mm, (K) to 1185mm and (L) to 987mm.

3 Ultra Wee Rad corner clearance (E) can be reduced to 165mm with Corner Wing Shields fitted. This also reduces clearances (D) to 471mm, (K) to 1245mm and (L) to 1031mm.

4 Wee Ped corner clearance (E) can be reduced to 115mm if side extensions are fitted to the flue shield. This also reduces clearances (D) to 418mm, (K) to 1170mm and (L) to 978mm.

Wetback connection heights (N and O) are in millimetres (mm) and are taken facing the Metro wood fire / wall.

- The Tiny Ped and Tiny Rad are 92mm left of the flue centre
- The Tiny Rad Woody is 184mm left of the flue centre
- Wee Series clean air models are 226mm left of the flue centre
- All other wetback capable models including all freestanding LTD models are 140mm left of the flue centre.



	Ultra Xtreme Rad	Xtreme Ped	Ambie One	Ambie Plus	Mega Rad	LTD Wee Rad Base	LTD Wee Rad Leg	LTD Wee Rad Woody	LTD Xtreme Rad Base	LTD Xtreme Rad Leg	LTD Xtreme Rad Woody	LTD Mega Rad
A	277	251	250	267	285	251	251	271	251	251	251	285
B	635	624	539	686	720	658	548	708	650	650	680	720
C	632	630	589	658	728	580	580	580	630	630	630	728
D	450	442	392	462	497	486	426	506	458	458	478	497
E	100	110	100	125	100	180	120	200	100	100	120	100
F	227	226	275	275	224	232	232	232	227	227	227	224
G	280	280	250	350	300	350	240	400	280	280	310	300
H	100	100	100	100	130	100	100	120	100	100	100	130
I	909	881	839	925	1013	831	831	851	881	881	881	1013
J	907	907	825	906	1006	825	825	825	907	907	907	1006
K	1267	1260	1142	1315	1435	1270	1185	1295	1280	1280	1306	1435
L	1075	1070	960	1109	1229	1048	989	1066	1084	1084	1103	1229
M	507	507	427	506	606	425	425	425	507	507	507	606
N	-	312	350	360	300	300	295	365	350	350	420	300
O	-	502	540	550	490	490	485	555	540	540	610	490
WIDTH	710	688	577	671	840	615	615	615	740	740	740	840
DEPTH	582	554	464	550	659	501	501	501	554	554	554	659
HEIGHT	722	707	720	762	744	691	688	758	743	743	813	744

All specifications are correct and current at time of printing, but may alter and those detailed should be used as a guide only.

Specifications are subject to change without notification. If in doubt please consult your local Metro Fires agency or visit metrofires.co.nz.



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