
Come home to Nectre.
NECTRE
SLOW COMBUSTION HEATING

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Why Nectre?

Thank you for taking the time to read this brochure and consider Nectre. There are many reasons why the name Nectre has become synonymous with wood heaters in Australia and why our slow combustion heaters are now sought after in places such as the United Kingdom, Japan, New Zealand and America. Some are attracted by our solid reputation, others, the simplicity of operation and timeless styling of our heaters. You might even be attracted by a Nectre heater's efficient use of that abundant renewable resource, wood. Whatever your reason, we hope you will soon join the many who; "Come home to Nectre".

Solid Reputation

Nectre first began warming the homes of Australians in 1975. Since then we have built a solid reputation for quality and efficiency. We have an established Quality Assurance programme to AS3901 in our factory so that no appliance leaves without a detailed inspection and approval. Every Nectre also conforms to AS2918 for installation of domestic wood burning appliances. It's also comforting to know every heater bearing our name is made right here in Australia.

All of which means you'll enjoy many years of warmth and comfort and can relax knowing all Nectres, other than the Baker's Oven, are covered by a 10 year firebox warranty. The Baker's Oven is covered by a 5 year firebox warranty.

Simplicity

Simplicity of operation is a feature of our wood heaters. One simple air slide controls the burning rate and your room temperature. You can load really large logs and then watch them burn through huge ceramic glass windows. The specially designed door and air slide handles stay cool and are easy to use. Cleaning is easy and needs to be done every few weeks depending on the type of wood burnt.

Style

Your Nectre is an important part of your home's décor so style is always important. We believe that of all the appliances you buy in a lifetime, the Nectre will last the longest. It must therefore fit into the changing trends of interior decoration. That's why each Nectre has clean, simple uninterrupted lines that won't date. Choose from the traditional model with legs, the pedestal style or one of our in-built models. Whether yours is a contemporary or traditional style home, your Nectre will never look out of place!

Built for Efficiency

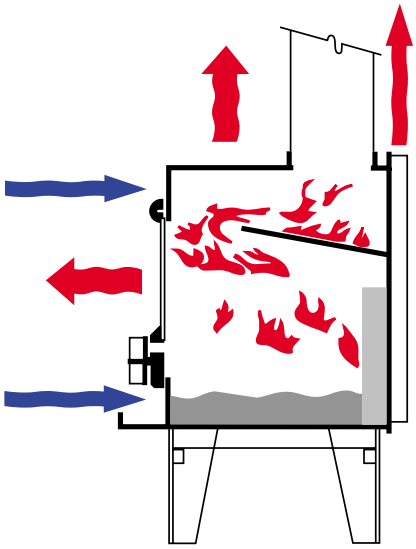
Efficiency is why Nectre is the first choice in wood heaters. Our heaters are designed to extract the energy out of every kilogram of wood loaded into them and deliver it as warmth to your home.

Primary air enters the firebox through the airslide on the door and is directed at the heart of the fire, creating a turbulent mix of combustible gases.

Another inlet, located at the top of the door, allows a carefully measured amount of additional air to enter, completing secondary combustion of unburnt flue gases.

The result is extremely efficient combustion producing high temperatures that are maintained by the firebrick lining and a flue baffle to lengthen the flame path.

This determination by our designers to achieve maximum combustion and therefore heating efficiency also results in low flue emissions.



Power to heat every home

Whether a single room or whole house, there's a Nectre to keep you warm! All Nectre heaters provide radiant warmth that can then warm other parts of your home through natural convection. By leaving doors open living areas will be kept at a comfortable temperature while the chill is also taken off the rest of your home. With 15 models to choose from there is a Nectre that is perfect for the area you need to heat. Just see your Nectre dealer but remember to take in some plans or at least the dimensions of your home.

What can make you feel warmer than curling up with a good book or perhaps a cuddly friend, by a roaring living fire? A Nectre fire is an integral part of any gathering, unlike some forms of heating that provide a sterile heat.

Your Nectre fire has character as well as warmth. Ever noticed how people will back up to their Nectre even when the room is obviously warm? It's not only to draw in as much of that lovely deep radiant warmth as possible, but also to interact with the living fire.

Built so you won't get burnt

Knowing what's hot in wood heaters can be difficult, until you look more closely.

Ask yourself the following when making comparisons to Nectre.

Was the heater made in Australia and tested to Australian standards for clearance and emissions?

Are all joints MIG welded? Are all the walls of the heater box lined with firebricks? Are the doors made from cast iron with heat proof woven rope providing an air tight seal and with specially designed air control and door handles that always stay cool? Can I load really large logs and then watch them burn through huge ceramic glass windows?

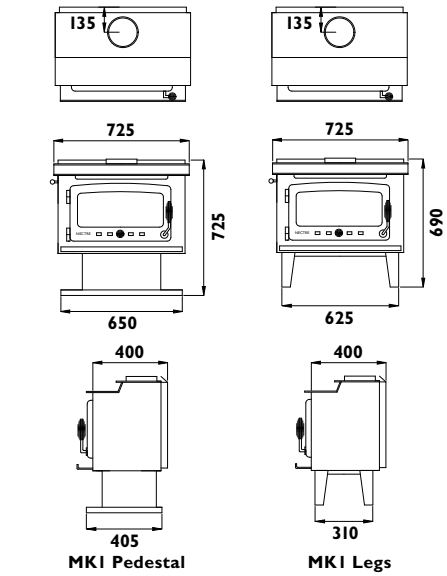
All Nectre heaters are grit blasted and spray painted with a paint specifically formulated for heaters operating at high temperatures.

MK1 the original Nectre

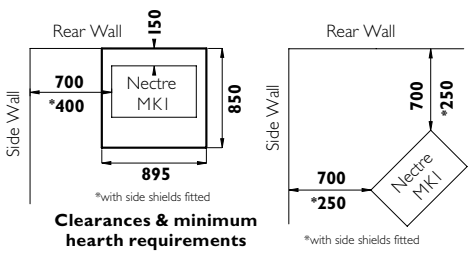
Choose the Mk1 and you join the many keeping warm and cosy with one of the most popular heaters ever made.

Designed to heat large open plan areas up to 177m^2 (20 squares), the Mk1 has an average maximum output of 19kW (65,000 BTU). (Tested by AMDEL.) Particle emissions are well inside the Australian standard.

The Mk1's wide opening door provides easy access and the huge ceramic glass windows give a perfect view of the brilliant, living fire burning inside.



MK1 Pedestal **MK1 Legs**



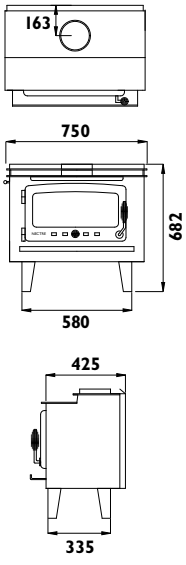
Clearances & minimum hearth requirements

Door Aperture 250 x 495mm

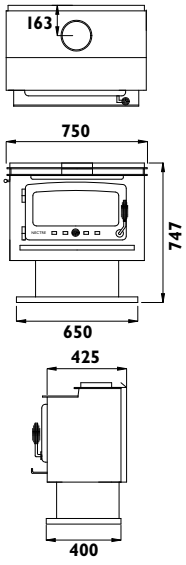
Nectre MkII gives you a warm feeling inside

Mk11 has the same simple but elegant lines as do all Nectres but is double cased so it can be installed very close to walls or furniture.

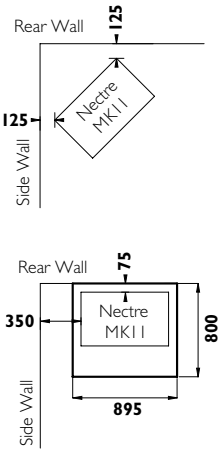
The double casing also maximises air convection and shifts heat around your home with great effectiveness. A maximum average output of 21kW (70,000 BTU) makes the Mk11 the perfect heater for homes that are hard to heat and where installation is tight. Effectively heating around 195m^2 (21 squares), you and your family will live in comfort for years to come.



MKII Legs

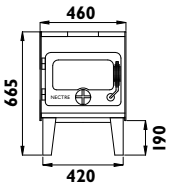


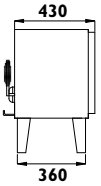
MKII Pedestal

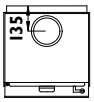


Clearances & minimum hearth requirements

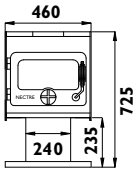
Door Aperture 250 x 495mm

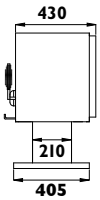


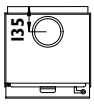




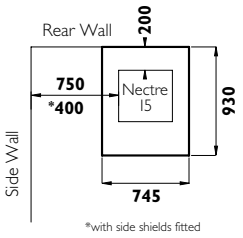
15 Legs

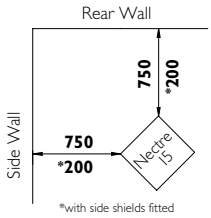






15 Pedestal





Clearances & minimum hearth requirements

Door Aperture 250 x 345mm

Nectre 15 compact yet powerful

You'll love the warmth and style of this powerful but compact little heater. The Nectre 15 produces a remarkable 12kW (40,000 BTU) maximum average heat output. That's sufficient to effectively heat around 15 squares (140m^2) of any suburban home or country cottage and yet it is small enough to fit almost anywhere.

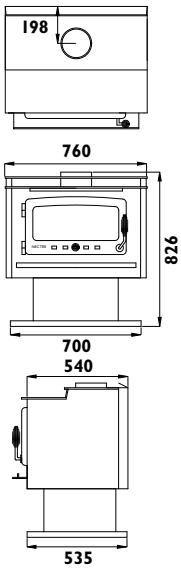
Let winter do it's worst, you'll be warm and content with Nectre 15.

The Mega a must for big living areas

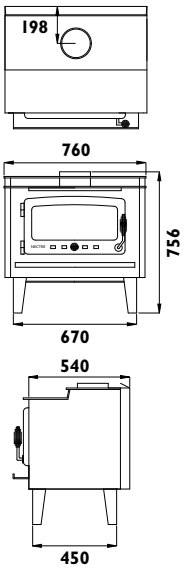
Nothing challenges a wood heater like modern open plan living. But it's hardly a challenge for our largest output heater, aptly named, Mega. We designed the Mega with modern living in mind. It produces a whopping 35kW (120,000 BTU) of heat making it Australia's most powerful freestanding heater capable of turning 35 squares (326m^2) of open space into a warm, comfortable living area.

The Mega's output makes it an ideal heater for large homes or for commercial applications. It will make any ski lodge or sporting club a comfortable place to relax, however inclement the weather.

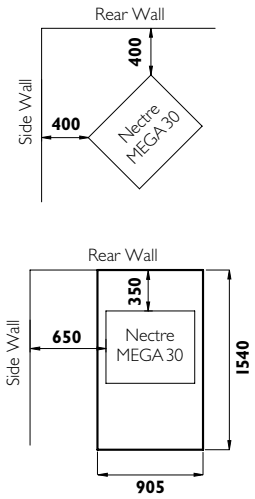
Powerful yes, but the Mega is certainly no brute when it comes to looks. The contoured door gives the Mega a soft appearance and opens wide to accept large logs. You can even harness some of the Mega's power to heat your water system by fitting the optional domestic hot water boiler or with a central heating boiler to operate radiators or underfloor heating systems.



MEGA Pedestal



MEGA Legs



Clearances & minimum hearth requirements

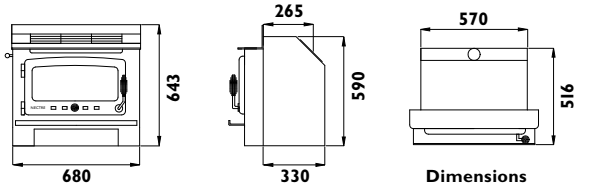
Door Aperture 265 x 505mm

The Nectre Inbuilt

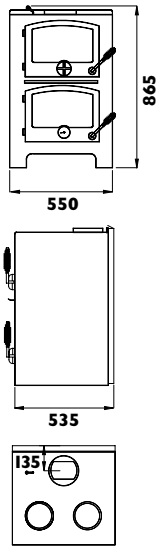
A feature of many older Australian homes is the original fireplace. While these fireplaces have a distinctive charm they don't provide the same warmth of a modern Nectre fireplace. They might even be a dangerous place to set a fire!

The answer is the Nectre Inbuilt. It has all of the Nectre features built into a fireplace. It will fit easily into most existing fireplaces and will produce 15kW (50,000 BTU) to heat an area of 140m^2 (15 squares). The inbuilt firebox is designed as an efficient heat exchanger which maximises the amount of convected warm air for circulation through your home.

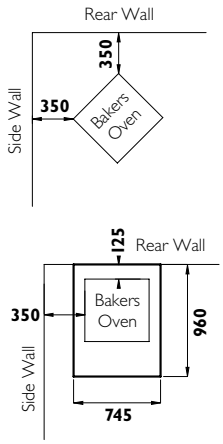
Your old fireplace will now work more efficiently (up to 250% more), use less wood and still retain its unique charm. The Nectre Inbuilt must be installed into an existing masonry fireplace to comply with AS2918. Consult your dealer for details on installation requirements.



Dimensions
Door Aperture 250 x 495mm



Dimensions



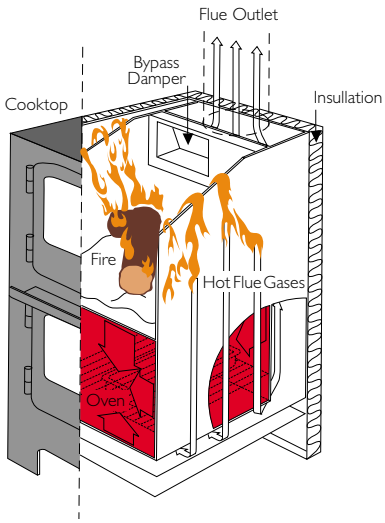
Clearances & minimum hearth requirements

Door Aperture 245 x 345mm

Baker's Oven

A unique combination of a heater and an oven, with style from a bygone era. The Nectre Baker's Oven will cook everything from crispy, fresh bread to succulent juicy roasts. The cook top takes four large saucepans or pots, and two removable rings make it ideal for wok cooking. And while it's cooking it spreads cosy warmth through your kitchen and living areas. With an 11kW output it will heat an area up to 90m^2. An optional domestic hot water boiler can be fitted to supplement your exising hot water system.

As displayed in the adjacent diagram, once the fire has been established the Baker's Oven bypass damper can be closed, redirecting the hot flue gases over the sides of the firebox down around the oven. This system is designed to retain the heat for as long as possible.




Nature's Carbon Cycle
CO2
CO2
Renewable Resource
Fire
Fire Wood
Decomposition

Wood the renewable fuel

A major concern for all of us is the concentration of carbon dioxide in the atmosphere and the resultant rise in average global temperatures. Fuel burning is the major cause of this increase in greenhouse gas but don't confuse the burning of wood with fuels such as oil and gas.

Wood is a renewable fuel. As a tree grows, it absorbs carbon dioxide from the air and stores it in the wood as carbon. This carbon makes up about half the weight of wood. When we burn wood, carbon dioxide is released into the atmosphere again. The same amount of carbon dioxide would be released if the tree died and was left to rot on the forest floor. Our forests can therefore be perpetual source of fuel provided they are cared for and managed properly. Why would you use anything else?

How to get the best out of your Nectre

Your Nectre has been designed to extract every bit of energy out of every piece of wood. But even a Nectre needs a little help to work at its best, all the time. Here are some hints that will also help the environment.

- Only burn dry seasoned wood. Freshly cut wood is 50% water and when you burn it you also boil it, wasting energy.
- Stack your wood under cover in a well-ventilated area. Newly cut wood should be stored for at least 12 months before burning.
- Use smaller logs so that plenty of air circulates around the heart of the fire.
- A space above the fire will allow a flame to develop that will burn off the gases released by the wood.
- Burn the fire brightly. Smoke just pollutes the atmosphere and causes creosote to build in the flue, reducing effectiveness of your Nectre.
- If burning overnight, have a flame burning. Run your Nectre at full burn for 15 minutes before turning the heater down for the night.

The compliance factor

Air quality is important to all of us and Australia is truly a lucky country when it comes to the air we breathe. Therefore, in the 1990's, an Australian Standard for emissions was established for slow combustion wood fires.

Originally the standard was set at 5.5 grams of particulate emissions per kilogram of wood burnt. This meant that over the high, low and medium burn cycle of a slow combustion wood fire, the average allowable amount of particulate matter (smoke) emitted was 5.5 grams for every kilogram of wood burnt. As you can imagine, 5.5 grams is a very small amount but the Australian Home Heating Association, in conjunction with Wood Fire manufacturers and importers, decided they could do better and the maximum amount of particulate matter emitted was reduced to 4.0 grams per kilogram of wood. Over a 25% reduction!

In all instances Nectre wood fires comply with this Australian Standard (AS/NZS 4013).
It is important when you are operating your Nectre wood fire you follow the operating instructions. Always burn a dry, well seasoned hardwood and maintain a brisk burning fire with plenty of flame. Check the flue on the outside of your home. If you see no more than a slight heat haze coming from the flue, you are doing everything correct. You will not only be doing the right thing for our air quality generally, your neighbours will be happy because they won't receive any annoying smoke.

The objective of these standards is to reduce the amount of particulate matter made by wood fires. In doing so the burn time of many fires has been reduced and you can no longer have the long slow slumbering fire that was common in the early 80's. These slumbering fires burnt so low that they did not provide much useable heat but were the cause of some heated disputes between neighbours. By burning your fire as recommended, the output is much higher, the combustion is more efficient and you burn less wood and save money as well as valuable wood fuel resources.

You can sit back and relax knowing your Nectre complies with all relevant Australian Standards, and you are doing your bit for air quality.

FEATURES & SPECIFICATIONS

NECTRE 15

Radiant Heater
Max. average heat output: 12 kW
Heats around 15 squares (140m²)
Weight: 90Kg
Cast iron door
Stay cool spring door handle
Firebrick lined to increase thermal mass
Steel baffle plate
Steel brick retainer
Firebox: 6mm steel construction
Cook top
Colour: metallic black paint

INBUILT

Radiant/Convection Heater
Optional 3 speed fan can be fitted
Max. average heat output: 15Kw
Heats around 15 squares (140m²)
Weight: 120Kg
Cast iron door with large ceramic glass
Stay cool spring door handle
Firebrick lined to increase thermal mass
Steel baffle plate
Steel brick retainer
Firebox: 6mm steel construction
Colour: metallic black paint

MK1

Radiant Heater
Max. average heat output: 19kW
Heats around 20 squares (177m²)
Weight: Legs 115Kg Pedestal 120Kg
Cast iron door with large ceramic glass
Stay cool spring door handle
Firebrick lined to increase thermal mass
Steel baffle plate
Steel brick retainer
Firebox: 6mm steel construction
Cook top
Colour: metallic black paint

MK11

Radiant/Convection Heater
Optional 3 speed fan
Max average heat output: 21kW
Heats around 21 squares (195m²)
Weight: Legs 115Kg Pedestal: 120Kg
Cast iron door with large ceramic glass
Stay cool spring door handle
Firebrick lined to increase thermal mass
Steel baffle plate
Steel brick retainer
Firebox: 6mm steel construction
Colour: metallic black paint

BAKER'S OVEN

Radiant Heater/Convection Oven
Max average heat output: 11kW
Heats around 10 squares (90m²)
Weight: 120Kg
Cast iron door
Stay cool spring door handle
Firebrick and steel liners to increase thermal mass
Cook top with 2 removable cooking rings
Oven temperature thermometer
Firebox: 6mm steel construction
Colour: metallic black paint
Can be factory fitted with a domestic boiler

MEGA

Radiant/Convection Heater
Optional 3 speed fan
Max average heat output: 35kW
Heats around 35 squares (326m²)
Weight: Legs 170Kg Pedestal 180Kg
Cast iron door with large ceramic glass
Stay cool spring door handle
Firebrick lined to increase thermal mass
12mm steel baffle plate
Steel brick retainer
Firebox: 6mm and 8mm steel construction
Colour: metallic black paint
Can be fitted with a domestic boiler or central heating boiler

Clearances

MODEL	Flue Kit	Rear Clearance	Side Clearance	Corner Clearance	Hearth forward of door opening	Hearth from side of door opening	Hearth Thickness
NECTRE 15 With Rear Heatshield 1200mm Flue Shield	6 Inch Australian Standard Double Cased Flue Kit	200mm	750mm 400mm with side shields	750mm or 200mm with side shields	300mm	200mm	7.5mm thick cement sheet with 5mm tiles
MK1 With Rear Heatshield 1200mm Flue Shield	6 Inch Australian Standard Double Cased Flue Kit	150mm	700mm 400mm with side shields	700mm or 250mm with side shields	300mm	200mm	7.5mm thick cement sheet with 5mm tiles
MK11 With Rear Heatshield 900mm Flue Shield or 1/2 perforated decromesh	6 Inch Australian Standard Double Cased Flue Kit	75mm	350mm	125mm	300mm	200mm	7.5mm thick cement sheet with tiles
MEGA With Rear Heatshield 900mm Flue Shield	6 Inch Australian Standard Double Cased Perforated Flue Kit with Solid Back	350mm	650mm	400mm	650mm	200mm	12mm thick cement sheet
INBUILT	6 Inch Australian Standard Chimney Kit 1 x 45° bend				Hearth requirements for insert heaters must be in accordance with AS2918		
BAKER'S OVEN 900mm Flue Shield	6 Inch Australian Standard Double Cased Flue Kit	125mm	350mm	350mm	300mm	200mm	12mm thick cement sheet

Nectre Features

- **Firebricks.** Increase thermal mass, stabilise temperatures and protect the firebox.
- **Ash lip.** All Nectres have an ash lip below the door to prevent hot coals dropping onto the floor.
- **Smoke shelf (baffle plate).** Easily removed for flue cleaning and replacement.
- **Minimum cleaning.** Depending upon the type of wood you burn, it could be as little as once every six weeks.
- **Secondary combustion.** This gives more efficient burning and reduces the level of emissions therefore reducing pollution.
- **Bottom and rear heat shielding.** Enables closer clearances to combustible materials.
- **Nectre Warranty.** Nectre Slow Combustion Heaters; 10 years. Nectre Baker's Oven; 5 years.
- **Optional fans.** Available for all models (except the Baker's Oven). However, we recommend that a ceiling sweep fan is the best way to circulate warm air in any home.

Estimate of costs

Heater	$
Flue Kit	$
Floor Protector	$
Installation	$
Accessories	$
Other	$
Total	**$**

In the interest of product development, Pecan Engineering reserve the right to change product specifications without notice.

NECTRE

SLOW COMBUSTION HEATING

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