



Wood Hydronic Heating



Introducing Wood Hydronic Heating: Sustainable, Efficient, and Reliable Heating Solutions for Australia - Ideal for off grid homes

Welcome to the world of Wood Hydronic Heating, where comfort meets sustainability in the Australian context. Hydronic heating systems have long been recognised as an efficient and reliable way to warm homes and businesses. And now, with wood as the fuel source, you can enjoy all the benefits while reducing your carbon footprint.

Why Choose Wood Hydronic Heating?

Sustainability: Australia is blessed with abundant wood resources. By choosing Wood Hydronic Heating, you are making a sustainable choice for your heating needs. Wood is a renewable energy source, and by utilising it, you contribute to the reduction of greenhouse gas emissions and promote a greener future for our country.

Energy Efficiency: Wood Hydronic Heating systems are designed to maximise energy efficiency. As water is used to distribute heat, these systems provide consistent warmth throughout your space, reducing energy waste and lowering your carbon footprint.

Features of Wood Hydronic Heating:

High-Quality Boilers: Our Wood Hydronic Heating systems feature top-of-the-line boilers, specifically designed to efficiently burn wood. These boilers provide consistent heat output, ensuring optimal performance and reliability.

Customisable Solutions: Wood Hydronic Heating systems can be tailored to suit various spaces and requirements. Whether you need to heat a living space with a fireplace model and send heated water to the adjoining rooms or a larger wood boiler with large hot water storage can allow longer intervals between re fueling the fire.

Join the Wood Hydronic Heating Revolution!

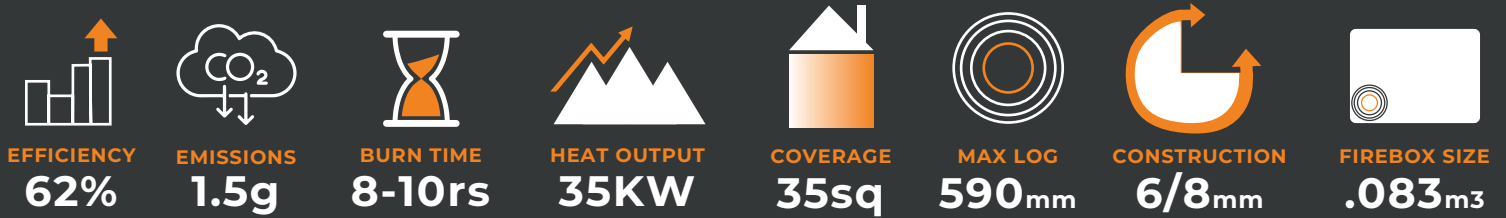


Nectre MEGA

The MEGA can be manufactured with a central heating option which produces between 10-15kW average and a massive 20kW at its peak.

Radiant/Convention Wood Heater

The Nectre MEGA is powerful enough to heat around 326m² of living area with high efficiency rating and modest heat output. The Nectre MEGA is a welcome addition to your home.



Additional Features

Nectre MEGA is finished in black metallic paint and comes with cast iron door with ceramic glass and a stay cool spring handle. Steel baffle with steel brick retainer and firebrick lining to improve thermal mass. A 900mm x 900mm hearth is required. Door aperture is 265mm x 505mm. Total weight of the Nectre MEGA is 180kg.

10 year firebox warranty on Nectre MEGA.
Central Heating option.

The MEGA can be manufactured with a central heating option which produces between 10-15kW average and a massive 20kW at its peak.



Heater Clearances- Installation clearance distances for the Nectre Mega are as follows: 200mm from rear of heater to wall in a standard installation (square to walls). 875mm from side of heater to wall in a standard installation (square to walls). 450mm from rear corner of heater to wall in corner installation.

Flue and Hearths

Nectre MEGA is not supplied with a flue from the factory. Our Dealers all provide a suitable flue and or decromesh kits required for installation. Nectre heaters do not come with hearths, our Dealers can supply a suitable hearth for your requirements.

Ventum Series

The new Generation Wood Gasification Boilers

The New Generation Ventum Series leaps forward in gasification technology making them the fastest selling boilers in their class across Europe. It is designed for efficiency, economy and protection of the environment. With 92% efficiency, emissions (250 mg/m³ CO) below European and German regulations, adaptable to wood fuel moistures up to 33%, superior health and safety features and easy to use electronic controls, this gasification boiler is a testament of quality and perfection.



Large loading door at waist level



Special air ducts inside the doors allows pre-heating combustion air via natural air flow



Cleaning made easier by a simple swing of an external lever



Electronic Management with Smart Control panel is able to check flue gas temperature and regulate the fan for optimal heat production output.



To have the best combustion, primary and secondary air adjustments are very easy to do, even while the boiler is operating.



Interchangeable Overheat Discharge Assembly



Induced draft fan keeps the system in constant vacuum eliminating the possibility of a smoke leakage to the ambient



Faster and longer gasification

As a stand-alone boiler or integrated with other heat systems the Ventum Gasification Boiler is fully adaptable and connectable with summer / winter season adjustment. Combined with a buffer tank, efficiency and performance is further increased as well as decreasing refuelling intervals.

- Independently adjustable primary and secondary combustion air.
- Functional and User Friendly Control Panel.
- Modulating induced draft fan.
- Vertical heat exchanger tubes with turbulators.
- Easy cleaning without removing any plate,
- Newly designed Refractory Concrete parts are:
 - Smaller and Lighter for easy servicing,
 - Modular for easy replacement,
 - Bypass duct is larger than ever
- A mechanical switch senses the door is open and orders the fan to work in full capacity.
- Ellipsoid form of the combustion chamber allows more fuel to be loaded.
- Boiler basement design allows both Forklift and pallet truck transport with ease.
- Long service life with robust structure.
- Interior negative pressure ensures safety.
- Interchangeable emergency heat discharge system".
- Dual purpose Anti-Tarring Plates:
 - Prevents and reduces condensation in the boiler
 - Increases efficiency by acting as a pre-heating intake air duct
- Large collection tray for ease of cleaning and ash removal.

Hydrowood Fired **Hydronic Boiler**

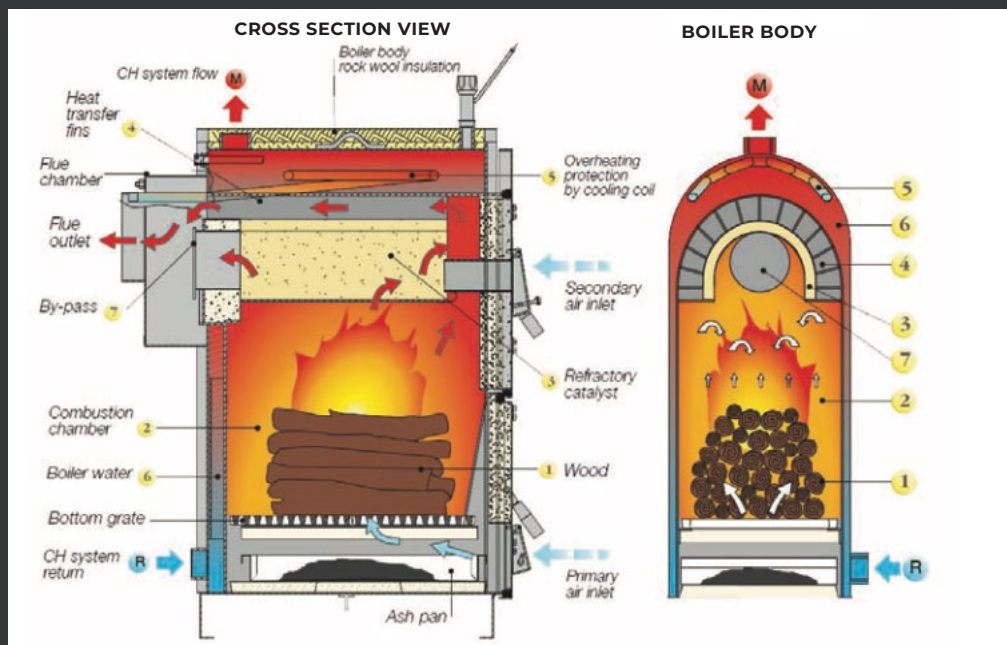


- 3 outputs available
- Minimal fuel consumption
- Wood storage capacity
- Construction thick carbon steel
- 60mm thick anti-tear, rock wool insulation
- No mains electricity required
- Gravity circulation compatible
- Thermostatic air inlet regulator optimising combustion and increasing burn time
- Internal installation

GIACOMINI 1" THERMOSTATIC MIXING VALVE



THREE-WAY VALVE FOR DOMESTIC HOT WATER





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