

ÖKOFEN PELLET BOILER

DECARBONISED HEATING



CENTRAL
HEATING



DOMESTIC
HOT WATER



PROCESS
HEAT



SWIMMING
POOLS

**CONTACT US
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100% renewable
Reliably low maintenance
Highly efficient

MINIMISING CARBON EMISSIONS

We offer pellet boiler systems from ÖkoFEN who have been a leader in pellet boiler technology since 1989. ÖkoFEN have pioneered a number of pellet boiler innovations, including the introduction of condensing pellet boilers and recently Zero Flame that reduces particulate emissions to unmeasurable levels.

LEADING COMMERCIAL SYSTEMS

Apricus Eco offers a range of commercial pellet boilers systems. These can be installed in a plant room or as an ÖkoFEN Energy Box: a plug and play containerised system that arrives pre-commissioned.

WHAT OUR CUSTOMERS SAY

Mark | Ministry of Education
Programme Manager
Infrastructure Delivery

“ It has been a pleasure working with Apricus Eco over the course of the school Coal Boiler Replacement Programme. They provide an excellent product, and have exceeded our expectations in terms of the seamless supply and delivery of biomass heating to schools. We look forward to working with them in the future... as we continue to decarbonise school heating...



Mark | Tainui School
Tokoroa

“ The boiler has been running two weeks. It's amazing compared to the old coal burner... the old coal burner was a health hazard really for everybody, but this one is so clean and so warm. It definitely exceeded my expectations, because it's just so easy to use. There was no real disruption to school life, they were actually pretty good.



Tama | Taihape Hospital
Property Maintenance and
Boiler Manager

“ These ÖkoFEN boilers are really great. They're easy to use, they basically look after themselves. I enjoy how clean they are. They just keep going, as long as we remember to order pellet fuel! I've got the phone app on my mobile and I can check on them and change settings whenever I want. These boilers are running over 4,000 hours a year.



WHAT ORGANISATIONS USE OKOFEN BOILERS IN NEW ZEALAND?

ÖkoFEN pellet boilers are installed throughout New Zealand, for a range of organisations and usage types. These include:

- Auckland Council Winter Gardens at the Domain.
- Over 25 primary and secondary schools throughout the country.
- Te Whatu Ora Health New Zealand, Whanganui Hospital.
- Waikato University, Hamilton student halls of residence.
- Palmerston North City Council plant nurseries.
- Summerset Retirement Villages, Auckland.
- Airbus propeller factory, Blenheim.
- Taihape Hospital.

WHO ARE ÖKOFEN?

ÖkoFEN were one of the originators of pellet boiler technology in 1989, and have over 100,000 boilers installed in 25 countries.

ÖkoFEN have leading research, engineering and manufacturing facilities throughout Europe.



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MAXIMISING EFFICIENCY

ÖkoFEN boilers have an industry leading advantage of optional condensing technology, this maximises efficiency whilst minimising emissions and pellet fuel use.

They provide a much cleaner and safer environment for staff, and the low level of maintenance required to keep them running reduces the hours needed from staff. The fuel delivery is entirely automated and there is no manual handling of the pellets required.



HEATING FOR COMFORT

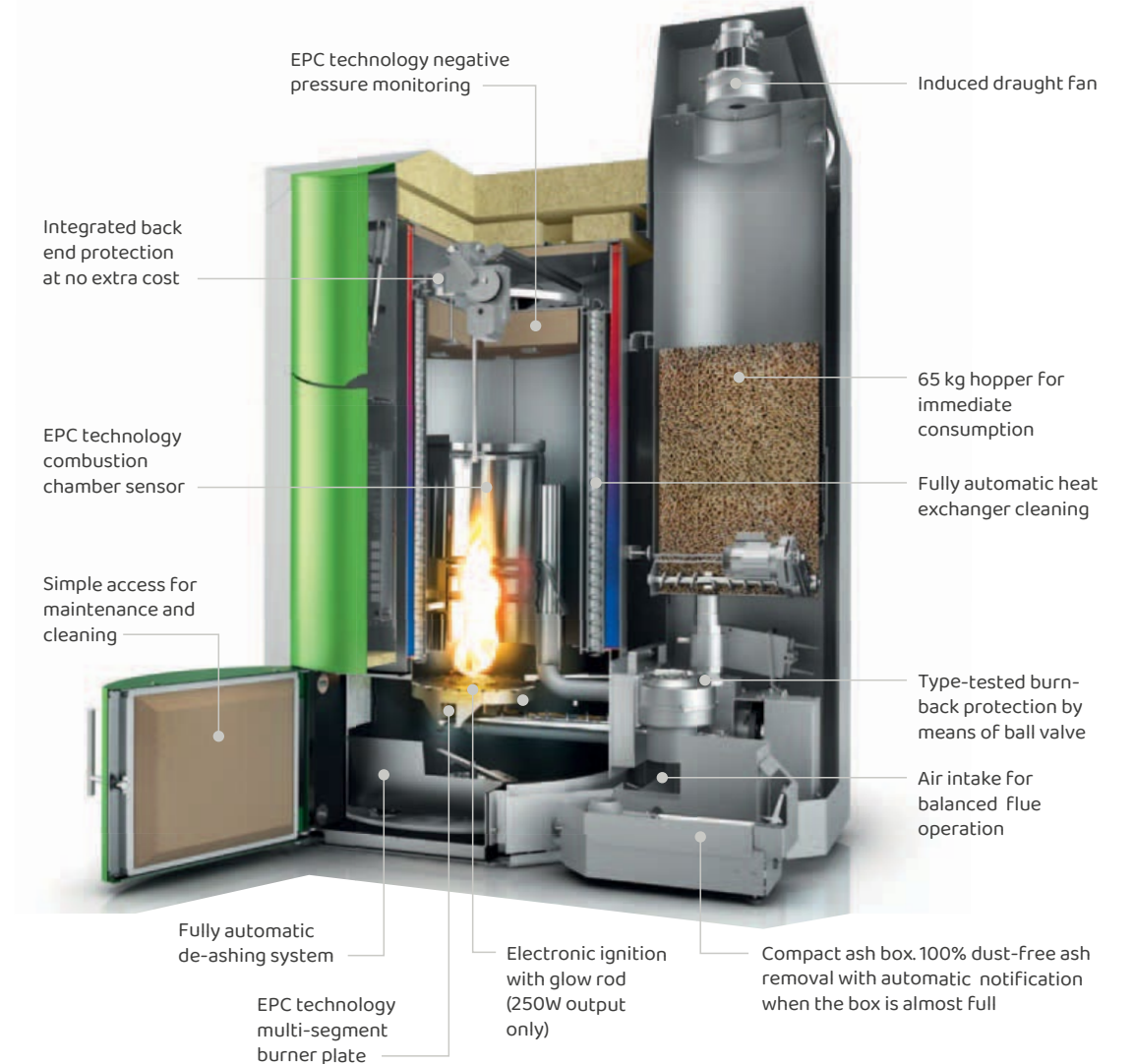
The Pellematic Maxi provides the proven technology of the Pellematic family of boilers for large-scale use.

The clean and simple to empty compact ash box is supplied as standard with the Pellematic Maxi.



PROFESSIONAL & MOBILE

With our Pellematic Touch heating controller you can quickly and conveniently access the heating system and call up all of its data from a computer or smartphone, wherever you are. The mobile user interface is a copy of the control panel on the boiler making access easy.



LOW MAINTENANCE

ÖkoFEN work continuously to refine their products with clever new ideas and innovations in heating technology.

A great example of this is the patented multi-segment burner plate. Individual segments in the burner plate can be replaced, ensuring maintenance costs are kept to a minimum and service life is maximised.



FLEXIBLE & ECONOMICAL

The Pellematic Maxi is extremely flexible, which also makes it very economical.

When demand for heat is high it will switch to maximum output. But when demand tails off it will adjust its output accordingly (to as low as 30% of its available capacity) keeping fuel use to a minimum.

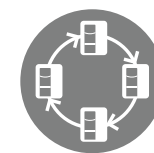


PELLET FUEL STORE OPTIONS

Flexilo: Highly compact, spring-loaded fuel bags that can fit in the tightest spaces. Available in a range of sizes.

Fuel bunker with auger: Constructed in-situ to fit the space available. Seismically independent from the building, making them ideal for New Zealand requirements.

Energy Box pellet store: 20' container for fuel storage when there isn't enough room in the building.



POWERFUL TEAM PLAYER

Thanks to Cascade Control, multiple Pellematic Maxi boilers can run in parallel, generating high levels of heat and low levels of wear on the individual boilers. When full power is not required, only the boilers that are actually needed will be called into use.

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WHY USE WOOD PELLETS AS A FUEL?

Replacing fossil fuels with wood biomass fuel is a completely renewable energy source, reducing the carbon emissions compared to fossil fuels by over 98%. Made of wood waste, from pine forests that are continually being replanted, wood pellets are an endless source of renewable energy in a circular economy.

WOOD BIOMASS - WHY IT'S A BETTER ALTERNATIVE TO GAS & COAL

The amount of CO₂ emitted during the burning of pellet fuel is equivalent to the amount absorbed during the growth of the trees, and therefore it is defined as carbon neutral — working within the carbon cycle. This is particularly true of New Zealand made pellets as they are only manufactured from the waste products of our forestry and wood milling industry; materials that would otherwise go to landfill.

Over 200,000 tonnes of pellets are produced and delivered across New Zealand each year, with companies now offering supply and pricing contracts for up to 15 years.

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WHAT ARE WOOD PELLETS?

Wood pellets are made in New Zealand from waste wood, sawdust and wood shavings.

Pellets are the lowest carbon fuel for central heating in New Zealand (0.0032 kg CO₂ e / kWh) because they're made from waste products that would otherwise go to landfill

Pellets are manufactured here by Nature's Flame, Taupo; Azwood, Nelson; Niagara, Invercargill.

Over 200,000 tonnes of pellets are manufactured in New Zealand each year, and as a country we export pellets to Korea, Japan, Canada and Australia.

ABOUT US

Since 2014, the team at Apricus Eco have been designing and supplying eco-friendly hot water and central heating systems for homes and commercial buildings across New Zealand.

We offer expert advice, high performance systems, technical training and long term, on-shore product support.

Our eco-friendly hot water and central heating products include hot water heat pumps, pellet boilers, and solar hot water systems.

Using the latest technology and designs we can reduce your bills and environmental impact.

OUR SERVICES & PRODUCTS

COMMERCIAL & STATE SECTOR

- Building heat load assessment and calculation
- Domestic hot water demand analysis
- Heat source sizing, design and specification
- Hydraulic, electrical and seismic system designs

HOMES

- Expert advice to choose hot water or central heating system for any home
- Central heating and domestic hot water system design and specification
- Specialist training and support for installers
- Responsive and knowledgeable customer support
- Long term warranty and all spare parts available on-shore in New Zealand

HOT WATER HEAT PUMPS

Natural Refrigerants - CO₂ & R290



Apricus+
HOT WATER | R290 HEAT PUMP

CLIVET
R290 HEAT PUMPS & CHILLERS

Panasonic
HOT WATER | CO₂ HEAT PUMP

 **enerblue**
HEATING | CO₂ & R290 HEAT PUMP

EASYPELL
HEATING | R290 HEAT PUMP

BIOMASS BOILERS

Wood Pellet & Chip

ÖkoFEN
HEATING | PELLET BOILER



HEATING | BIOMASS BOILER

Energy Box
HEATING
CONTAINERISED PLANT ROOM

EASYPELL
HEATING | PELLET BOILER

SOLAR

Evacuated Tubes

Apricus[®]
HOT WATER | SOLAR

PUMPS

Hot Water & Central Heating

wilo
HEATING & HOT WATER
PUMPS

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