



Pellet Boiler P2



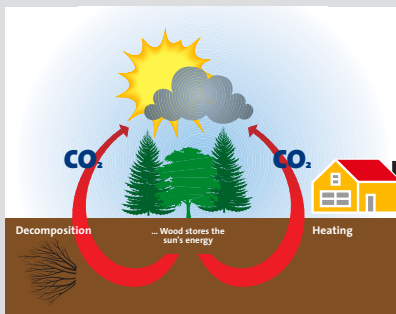
The next-generation pellet boiler, advanced technology and outstanding design.



Innovation Award
from the Federal Environment
Ministry and the Region of
Upper Austria.



Heating with wood is part of Nature's cycle:



Wood is a natural, sustainable source of fuel. When it burns, wood produces virtually no sulphur emissions and is CO₂ neutral. The CO₂ produced by burning wood is part of the natural carbon cycle. This makes a positive contribution to combating the greenhouse effect.

What are pellets?

Wood pellets are made from natural wood wastes with 1% bark content. Woodworking industries produce large amounts of shavings and sawdust. These are taken untreated and compressed into pellets.

**No fuss.
Pellets delivered to your door:**

The pellet tanker delivers to your door. Straight into your wood store. No dirt. No dust. No smell.



The new P Economical

Fröling:

Fröling, the leader for biomass heating systems

Fröling has over 30 years experience in all aspects of wood heating. The company has made decisive contributions to modern wood heating technology with a range of pioneering technical innovations.

1982: Introduction of the first wood-waste heating with high-temperature combustion.

1988: Fröling introduces the FHG Turbo wood-fired boiler, a major innovation setting new standards of economy and efficiency for wood heating.

1991: Fröling introduces the Lambdamatic, the first wood-waste burner controller with Lambda technology, and wins an award for innovative ideas in wood heating.

1997: Fröling presents its first combined pellet boiler which burns both chopped wood and pellets.

The next-generation Pellet Boiler P2 is based on Fröling's wide ranging expertise and experience gained in the production of ten thousand wood heating units.



Fully automatic

Pellet feed to the burner.

Boiler cleaning. Controlled chimney draught. Ash disposal. On the Pellet Boiler P2 all these functions are fully automatic thanks to the cost-saving drive and the electronic controller. This means economical, convenient heating and a clean conscience.



Pellet Boiler P2

Pellet Boiler P2: Efficient, convenient, safe.



Economical



Thanks to the unique burner technology employed on the Pellet Boiler P2, pellet consumption is very low; pellets have an efficiency rating of 93%. Not only is wood an environment-friendly fuel, it is also available in sustainable quantities. Woodworking industries produce a huge amount of wood waste which can be taken untreated and pressed into pellets. Wood waste is in plentiful supply. This combined with the relatively short delivery distances between the producer and consumer has made wood one of the most cost-effective fuels in recent years.

Clean & convenient

Heating with the Pellet Boiler P2 has little in common with traditional wood heating systems. The pellets are delivered by tanker and blown into your wood store. Once the boiler is switched on everything functions automatically. Combustion is very clean and environmentally friendly. As a rule, the mobile ashcan only requires emptying between once and three times a year. Ash can be recycled as a natural fertiliser.



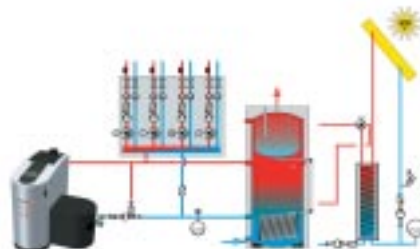
Safe

The Pellet Boiler P2 guarantees the highest standards of safety. The induced draught fan ensures that the boiler draws air from start route and pushes the combustion gases in the right direction towards the chimney. This feature combined with the unique design of the pellet double-gate feeder guarantees the highest possible standards of safety.

Tried-and-tested

As a leading maker of biomass heating units, Fröling markets a complete range of modern wood heating systems. The Pellet Boiler P2 incorporates the experience and innovations tried and tested on other systems. When you buy a Pellet Boiler P2 you are investing in a tried-and-test product, backed by Fröling's expertise and experience and guaranteed to give long, reliable service in the years to come.

Expandable



The Pellet Boiler P2 can be used in combination with other types of heating system without any problems. The heating control system is modular and can therefore be expanded as required. The controller ensures that all the components of the system work perfectly together. Maximum heating comfort and economical fuel consumption are guaranteed.



The next-generation

One step ahead with

Innovative burner technology



Fröling had developed the shell burner to make it ideal for burning pellets. Excellent combustion efficiency, optimum control, self-cleaning. Three factors which make this burner ideal for pellet heating systems.

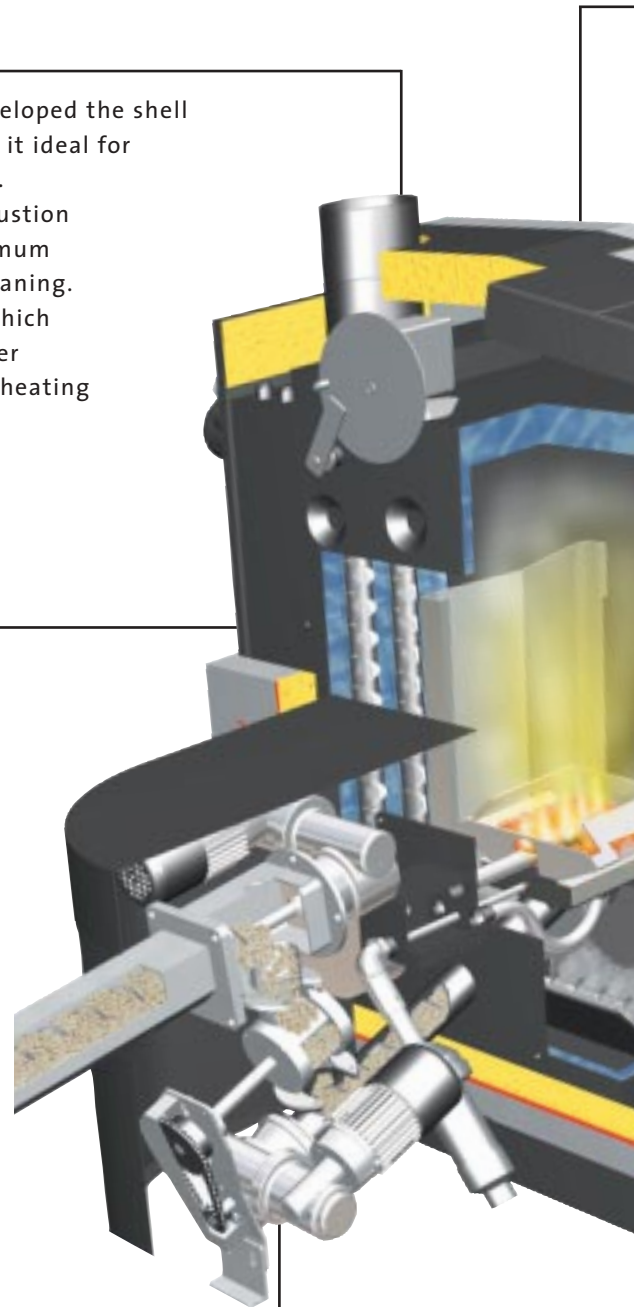
Automatic ash removal

The Pellet Boiler P2 makes life easier with a unique, fully-automatic ash removal system. The ash from the shell burner drops down into a hot ash chamber where any unburned particles are completely incinerated. Ash from the combustion chamber and self-cleaning residues from the heat exchanger drop down onto a feed screw where they are compressed and fed out into the ashcan.



Easy-to-service design

The high-tech Pellet Boiler P2 has been designed with easy servicing in mind. All parts are readily accessible and servicing requires little effort. Not only do you save on heating costs, you save on servicing costs, too.



Pellet Boiler P2

ion pellet boiler: the Pellet Boiler P2

Unique back-fire safety

The double-gate pellet feeder ensures that the fire stays where it should, in the combustion chamber. The pellet feed system is designed with an air tight seal separating it from the combustion chamber. The highest safety standards are guaranteed.



Modular heating control

The next-generation Lambdatronic control unit makes Fröling a leader for modern heating technology. A pioneer that others follow. Perfect combustion control incorporating Lambda technology means that our system can control up to four heating circuits, various backup and auxiliary systems and even, for example, a solar panel system. You can display and modify control settings from a digital control panel in your home. You can do the same thing using a PC and a modem. The computer monitors your equipment and then sends the information over the digital controller or the PC direct to your home or office. You can also use a PC and a modem to access Fröling's remote system setting and maintenance service. This saves valuable time and money. The system is modular and you can expand the basic module, upgrading a step at a time as required, whenever you want.



Prepared for everything

In an emergency the Pellet Boiler P2 can also be used with firewood. You run out of pellets. No problem. Just fit the special grate and you can continue to fire the boiler with chopped logs and retain fully automatic operation. Any time.

Automatic – Clean – Efficient

The upright tubular heat exchanger has built-in turbulators to provide increased thermal efficiency. A vertical tube design was chosen because this aids efficient. Self-cleaning is automatic and carried out by the motor driven tube turbulators. Clean, efficient and automatic. What could be easier?





Versatile, mod

P2 Eco – Top technology at an entry-level price

The P2 Eco offers top P2 technology at a reasonable price. The P2 Eco features a high-performance shell burner, modular control and emergency operation with firewood. All the latest heating technology packed into an efficient, energy saving pellet boiler.

- High-efficiency shell burner.
- Modular control. P2 ECO has the next-generation Lambdatronic 3100 controller.
- Emergency operation with ordinary firewood at any time.
- Clean and efficient. The upright tubular heat exchanger has rapid, fully-automatic cleaning.
- Back-fire safety. The patented, double-gate pellet feeder ensures complete, effective protection against back-fire.



P2 systems can incorporate:

- Radiators
- Underfloor and wall panel heating
- Domestic water tanks
- Storage tanks

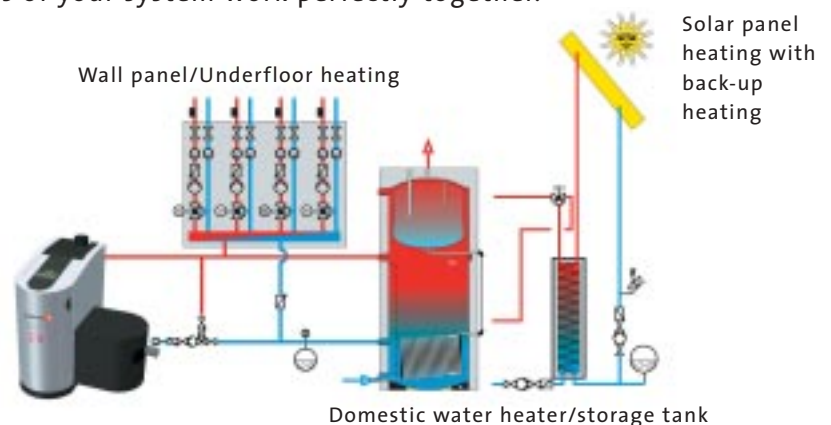
The Fröling Pellet Boiler P2 is the perfect heating system. A clean, cost-effective method for central heating and domestic water heating systems.

Using the P2 in combination with solar panels or other types of heating is no problem. Fröling offers a complete range of innovative heat storage and heat exchanger systems. The versatile Lambdatronic controller will handle virtually any heating system configuration and will ensure that all the parts of your system work perfectly together.



- Integrated solar panel systems,

These can all be used with the Pellet Boiler P2.



ular and expandable

Simple pellet feed straight to your boiler:

1. Direct feed with a feed screw

Ideally the boiler room and the pellet store are alongside each other. In this case the pellet feed screw is mounted in the pellet store and feeds the pellets direct to the boiler in the neighbouring boiler room. This solution is neat, simple and reliable.

Weekly pellet store



The weekly pellet store

Not enough room for a large pellet tank? You have low-energy house and low energy requirements and don't need a big storage tank?. For situations like these the weekly pellet store is the most cost-effective solution to ensure that you can enjoy the efficiency of P2 heating.

2. Combined feed screw and suction turbine

designed a special feed system. Here, the pellet store feed screw is combined with a powerful suction turbine to assist pellet feed. The system will feed pellets over a distance of up to 15 metres and with a height difference of one floor. This system has a daily tank with automatic level control to ensure that the daily tank gets topped up once a day. Another simple, efficient system from Fröling.



Buried tank

Buried tank

When space indoors is at a premium and there is no room for a pellet tank, a buried pellet tank is the ideal solution. The tank can be buried outdoors in your garden. Only an unobtrusive filler cover shows that it is there. A suction feed tube connects the tank to the P2. Any excavation work can be carried out at the same time that your tank is delivered.

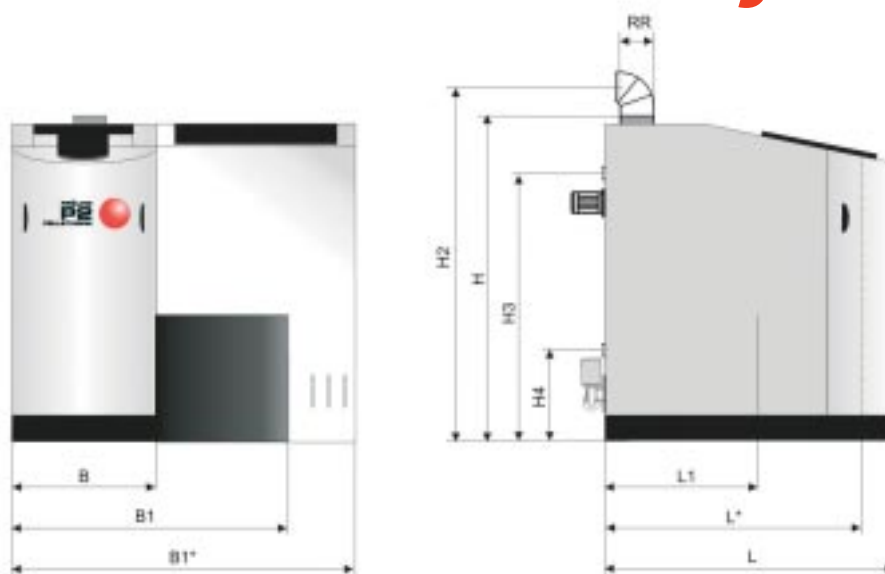
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Promoting wood heating:

Wood heating is environment-friendly. Many local government authorities have programmes and funding to promote the use of wood heating. Visit our internet site at www.froeling.com to find out more about official support. Your local Fröling installer will be glad to help with advice on all aspects of wood heating.

Heating with wood has never been so economical, convenient and safe.



Technical specifications. Dimensions:

Pellet Boiler P2	15	25
Output (kW)	4.4 – 14.9	7.5 - 25
Boiler length (L), P2 Komfort	1130	1130
Boiler length (L*), P2 Eco	1010	1010
Boiler width (B)	580	580
Boiler height (H)	1350	1350
Boiler + stoker width unit (B1)	1210	1210
Boiler + weekly store width (B1*)	1365	1365
Back wall to centre of stoker (L1)	610	610
Min. height of chimney connection (H2)	1600	1600
Outfeed (H3)	1080	1080
Return feed (H4)	340	340
Heater weight (kg)	280	280
Flue diameter (RR)	130	130

Subject to change

For technical details and handy tips, see our example system layouts and configurations.

FRÖLING 
WARMTH FROM WOOD

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