

# Fröling P4 The Most Advanced Pellet Boiler Available



- The Fröling P4 pellet boiler is Lambda controlled, which means that it can adjust to differences in pellet density, moisture content, and pitch content to always burn cleanly.
- The Fröling P4 has one of the most advanced controllers. It has the ability to monitor all boiler functions and control buffer tanks, solar hot water, heating zones, standby boiler, and up to 4 cascaded P4 pellet boilers.

- A **true** 3-pass heat exchanger for greater ash separation and efficiency. Some competitors state that they have a 3-pass design, but don't have it. European tests show the P4 as being about 2-3% more efficient than the next closest US competitor.

- Direct connection to radiant floor or other low temperature applications is possible without return water temperature lift due to advanced design of the pressure vessel.

- Two-zone heat exchanger is one of Fröling's numerous patents and pushes its efficiency to one of the highest in the industry.



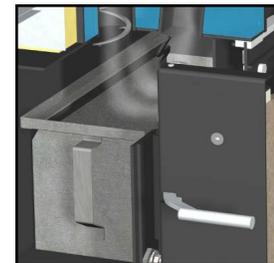
- The Fröling P4 has a drop-feed combustion design. This provides the highest degree of safety. The combustion can be completely extinguished rapidly when necessary. Re-starts take place with a controlled fresh fuel bed.

- The Fröling P4 has a very robust grate and turbulator cleaning system.

- Precise control of the fuel feed rate means overall improved efficiency.

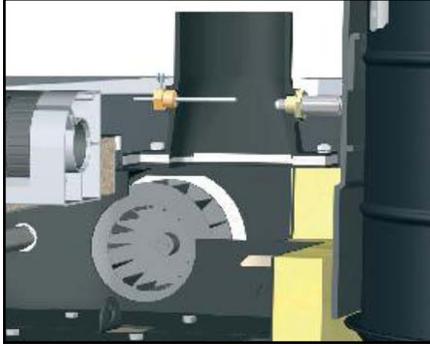
- Ash drawer design is efficient and mechanically simple, making break-down or unplanned service unlikely.

- Easy to maintain. Major components do not have to be removed to perform an annual maintenance.



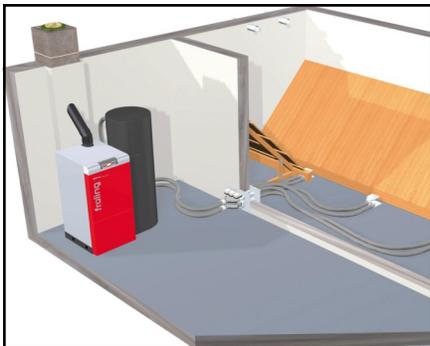
- The Fröling P4 has two fuel safety gates. One or the other is always closed making it nearly impossible for hot embers to reach the fuel supply.

- The Fröling P4 performs a self-test before each start and has automatic diagnostics to guarantee safe starting and safe operation. Everything from adequate combustion air to the presence of fire is confirmed.



- The Fröling P4 needs only one combustion blower. Some boilers have a combustion and an induction blower.
- The combustion blower is regulated by the boiler's controller to ensure the exact air quantity for optimum combustion.
- The Fröling P4 can be operated with sealed combustion, perfect for air tight buildings. The temperature of the incoming air is raised with an integrated pre-heating system, increasing the efficiency of the system.

- The compact design of the Fröling P4 comes fully assembled for easy set-up.
- If needed, the larger components can be easily removed for easier movement and positioning.



- Integrated vacuum system allows easy connection to bulk storage.
- Tarm Biomass and Fröling offer pellet storage options for nearly all possibilities from textile silos, to 3 auger systems.
- Pneumatic pick-ups are non-powered and operate flawlessly.

- The boiler system can be easily controlled from your living room with the room console. It is extremely easy to view all important values and status messages.
- With Fröling Connect the boiler can be checked and controlled through the boiler-touch display around the clock. The boiler owner can be emailed when the ash box is full or if there is a fault message.



- At **Tarm Biomass**, we understand the benefits of integrating thermal storage with a pellet boiler. The Fröling P4 boiler control includes advanced buffer tank management. A pellet boiler operated with thermal storage will operate more efficiently and last longer.
- We have one of the best warranties in the market which includes a **20 year** pro-rated warranty on the pressure vessel.

