



IN THE FINEST TRADITION OF  TARM USA



fröling 

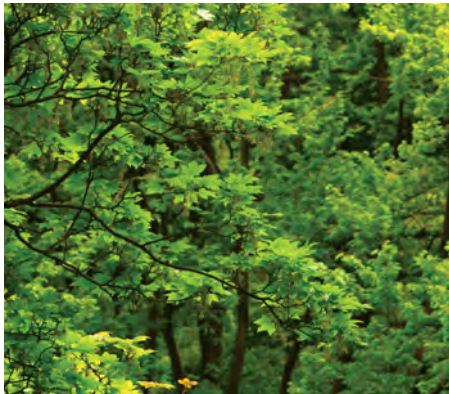
P4

Pellet Boiler

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Independence and Self-reliance

Fröling P4 boilers provide a convenient, safe and environmentally responsible way to heat your home and hot water with wood pellets. P4 homeowners are assured of unusually high heating efficiency, low heating costs, and use of an abundant, locally available, renewable fuel. With its ingenious, fully automated operation, this boiler is amazingly easy to use.

Innovation

- Pneumatic pellet feed is ideally suited for bulk fuel applications, although the P4 may easily be used with bagged fuel.
- Variable speed induced draft fan ensures optimal fuel-to-air ratio.
- Incoming combustion air temperature is raised with an integrated pre-heating system.

About BioHeatUSA

BioHeatUSA™, formerly Tarm USA, is a third-generation, family-owned business that has pioneered the sales and service of residential central heating equipment in North America for over 30 years. BioHeatUSA's primary objective is to offer innovative home heating solutions, along with a significant commitment to consumer education and environmental awareness. Exclusive partnerships with ISO 9001 certified manufacturers allows BioHeatUSA to offer products with operational reliability, unique firing efficiency, and to promote the clean burning of carbon-cycle biomass that is critical to the lowering of net greenhouse gas emissions.

About Fröling

Founded in 1961, Fröling is a family-owned company located in Grieskirchen, Austria. A pioneer in wood-fired heating systems, Fröling has devoted decades of intensive R&D to the study of maximum energy efficiency.

- Multiple-pass heat exchanger and automatic heat exchange cleaning provide maximum efficiency and exceptional fly ash separation.
- Integrated storage tank control.
- Rated outputs from 36kBTU/hr to 130kBTU/hr.
- Exhaust temperatures under 250°F.
- Must be installed with a moderately sized buffer tank to reduce on/off cycling for optimal efficiency.
- Ash separation to two drawers.
- Virtually silent operation.

Bulk Delivery

As the North American pellet market matures, more and more people are able to take advantage of bulk fuel delivery. With bulk delivery, a pellet fuel truck delivers several tons of loose pellets to your home fuel storage bin or silo. The pneumatic feed device built into the P4 automatically delivers these pellets to your boiler as needed. The convenience of fossil fuel delivery with the economic and environmental benefits of biomass is what some would call the ultimate solution for your home heating needs.

For those of us who do not have access to bulk pellet delivery, the P4 may easily be used with bagged fuel.

Fröling P4 Applications

- add on to your existing fossil-fuel heating system as the primary heat source
- can provide domestic hot water
- may be used in hydrolic heating systems such as radiant floor, baseboard and hydro-air

Pellet Storage Systems

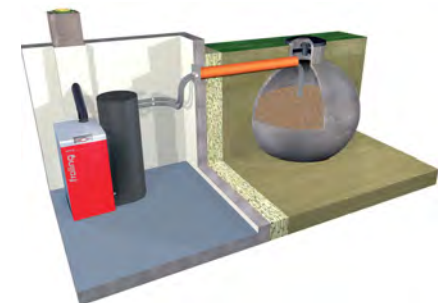
There are several options available for pellet storage:



Auger/pneumatic—ideal for rectangular rooms with front-end removal. Complete emptying guaranteed due to deep and horizontal position of the delivery screw. Use with the suction system for flexible boiler setup.



Bag silo—flexible, simple and easy to assemble. Dustproof and flood proof, this system can be installed outside with the addition of rain and sun covers.



Underground feeder tank—buried outside and feeds pellets to the boiler via suction pipe within a hollow pipe that runs from the tank to the building. Filling takes place through a shaft installed above the pellet tank.

Features

- 92-95% overall efficiency¹
- automatic ignition
- automatic sliding grate in combustion chamber
- insulated cleaning door for heat retention
- soundproofing for almost silent operation

¹as per Austrian efficiency test protocol

Advantages

The P4's compact design allows for easy positioning, even in a confined space. The disassembled unit fits through a 36" door. It arrives fully wired and ready for use. An integrated silencer ensures quiet operation.

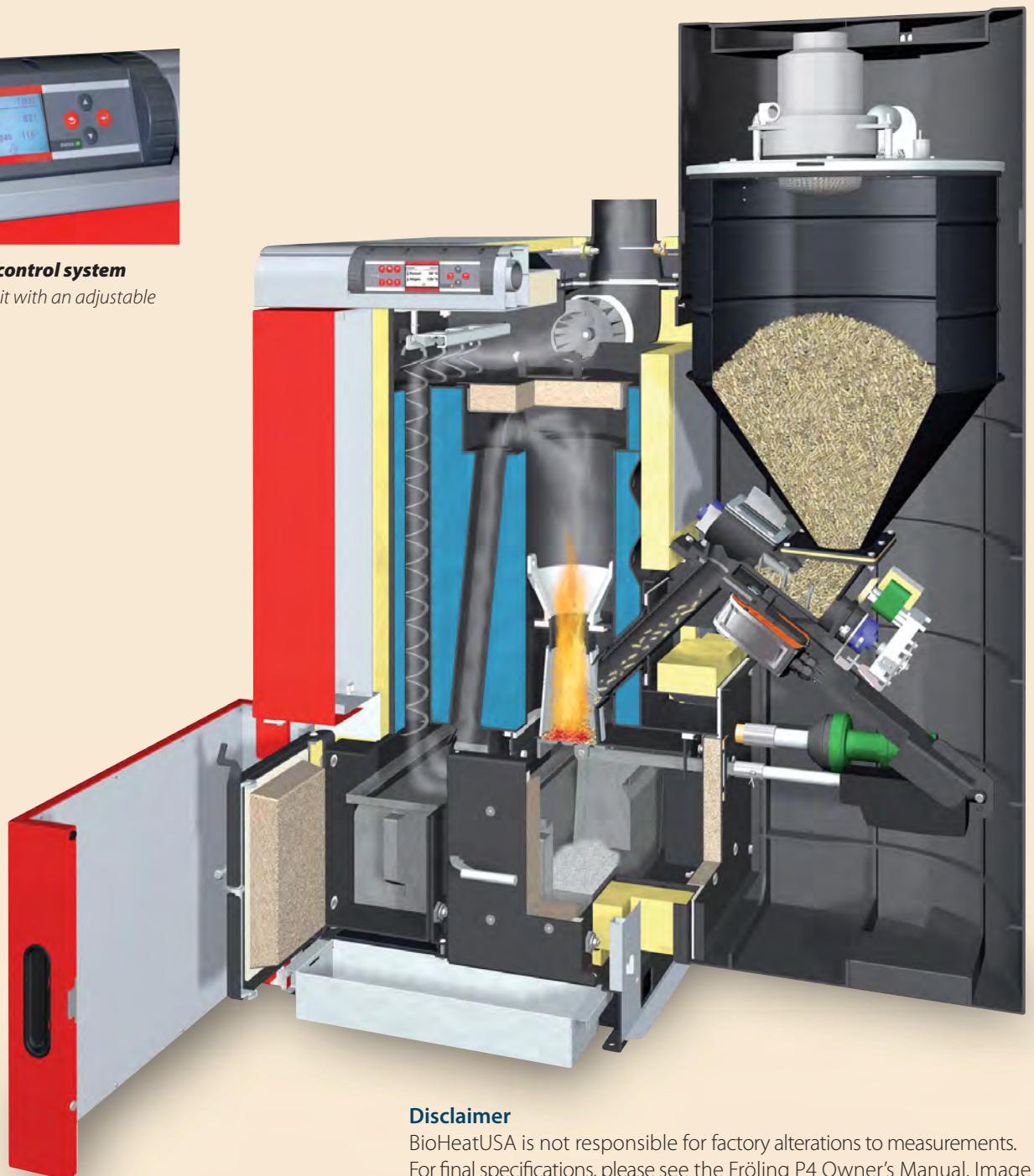
How it Works

The P4 represents the most advanced residential pellet boiler technology available. Fully automatic ignition, coupled with a programmable user interface, automatic fuel feed and automatic ash removal means the P4 is extremely easy to use and requires very little maintenance.



Lambdatronic P 3200 control system

This large, clear control unit with an adjustable viewing angle.

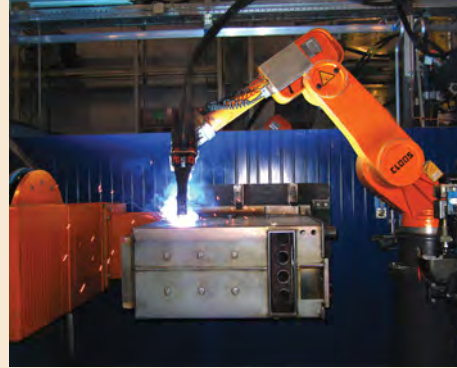


Disclaimer

BioHeatUSA is not responsible for factory alterations to measurements. For final specifications, please see the Fröling P4 Owner's Manual. Image used for informational purposes only. Actual appearance may vary.



Fröling sets new international standards for technology and design within their Austrian facility.



State-of-the-art robotics technology within Fröling's manufacturing plant.



European innovation extends to every facet of Fröling's state-of-the-art facilities.

Technical Data		Model 8	Model 15	Model 20	Model 25	Model 32	Model 38
Rated heat output	BTU/hr	35,800	50,800	68,200	85,300	109,000	129,650
Rated heat output	kW	10.5	14.9	20.0	25.0	32.0	38.0
Heat output range	kW	3.1-10.5	3.1-14.9	6-20.0	7.5-25.0	8.9-32.0	8.9-38.0
Electrical power consumption (@240V)*	W	96	123	110	110	110	110
Water capacity	US gallons	18.5	18.5	21	21	33	33

*Numbers shown are normal operating figures. Peak intermittent consumption is higher.

Installation Data		Model 8	Model 15	Model 20	Model 25	Model 32	Model 38
Boiler							
length ¹	inches	29 ³ / ₈	29 ³ / ₈	29 ³ / ₈	29 ³ / ₈	29 ³ / ₈	29 ³ / ₈
length w/induced draft fan	inches	36 ⁵ / ₈	36 ⁵ / ₈	36 ⁵ / ₈	36 ⁵ / ₈	36 ⁵ / ₈	36 ⁵ / ₈
width ²	inches	23 ³ / ₈	23 ³ / ₈	30 ³ / ₈	30 ³ / ₈	32 ³ / ₄	32 ³ / ₄
width w/support	inches	27 ¹ / ₂	27 ¹ / ₂	34 ¹ / ₄	34 ¹ / ₄	36 ³ / ₄	36 ³ / ₄
width w/feed cyclone	inches	46 ⁵ / ₈	46 ⁵ / ₈	53 ³ / ₈	53 ³ / ₈	55 ³ / ₄	55 ³ / ₄
height ³	inches	50 ³ / ₈	50 ³ / ₈	50 ³ / ₈	50 ³ / ₈	56 ³ / ₈	56 ³ / ₈
height w/feed cyclone	inches	65 ³ / ₈	65 ³ / ₈	65 ³ / ₈	65 ³ / ₈	74 ⁷ / ₈	74 ⁷ / ₈
Boiler dry weight ⁴	pounds	706	706	882	882	1036	1036
Flue collar height	inches	53 ³ / ₈	53 ³ / ₈	53 ³ / ₈	53 ³ / ₈	60 ¹ / ₄	60 ¹ / ₄
Flue pipe diameter	inches	5	5	5	5	6	6

¹ Corresponds to the minimum positioning length.

² Width of the boiler including support for positioning unit. Corresponds to the minimum positioning length after removing the stoker fitment, suction cyclone and positioning unit.

³ Corresponds to the minimum positioning height after removing the stoker fitment, suction cyclone and positioning unit.

⁴ Specified weight refers to the boiler without ash removal module.