



froling 

P4

Pellet Boiler

The Most Advanced Pellet Boiler Available in the U.S.

- For home, business, or institutional use
 - Fully Automatic
- Super high efficiency
 - Bulk or bag wood pellet ready
 - Plug & play – no assembly
- Includes solar-thermal controls for easy integration
 - EPA Accepted

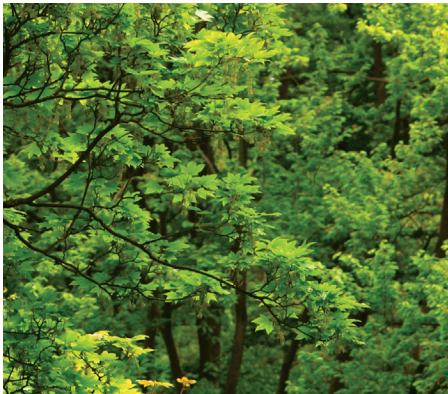


Visit www.woodboilers.com for more information about this boiler including videos and installation planning documents.

P4



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Independence and Self-Reliance

Fröling P4 boilers provide a convenient, safe and environmentally responsible way to heat space and hot water with wood pellets. P4 owners 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 be used with bagged fuel.
- Industry leading exhaust control ensures optimal fuel-to-air ratio.
- Dual fuel isolation valves for fire safety.
- Cascade control for systems requiring multiple boilers.

About Tarm Biomass®

Tarm Biomass® 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. TarmBiomass® 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 Tarm Biomass® 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 36k BTU/hr to 350k BTU/hr.
- Systems to 1.4MM BTU/hr.
- Exhaust temperatures under 350°F.
- May be installed with a moderately sized buffer tank to reduce on/off cycling for optimal efficiency.
- Ash separation to two easy handling drawers for removal/disposal.
- Virtually silent operation.
- Solar Thermal control for seamless integration.

Bulk Delivery

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

Fröling P4 Applications

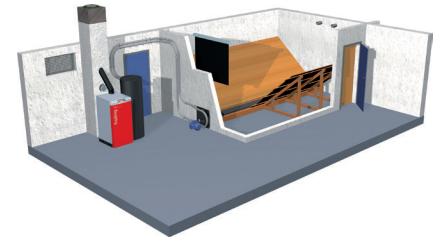
- residential and commercial applications
- stand alone boiler or add on to your existing fossil-fuel heating system
- hydronic heating systems such as radiant floor, baseboard, and hydro-air

central heating and domestic water production.

For areas without bulk pellet delivery, the P4 may easily be used with bagged fuel.

Pellet Storage Systems

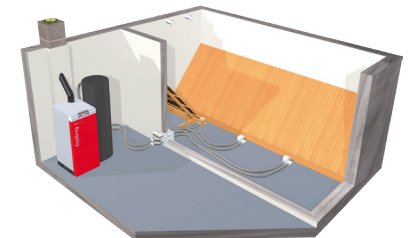
There are several options* available for pellet storage:



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 resistant, this system can be installed outside with the addition of rain and sun covers.



Universal Suction— Three suction probes positioned uniformly provides complete emptying of the pellet store room.

* Check with Tarm Biomass® for additional fuel storage options.

Features

- Over 85% efficiency
- automatic ignition
- automatic sliding grate cleaning
- touch screen with free connection software for internet viewing
- soundproofing for almost silent operation

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.

How it Works

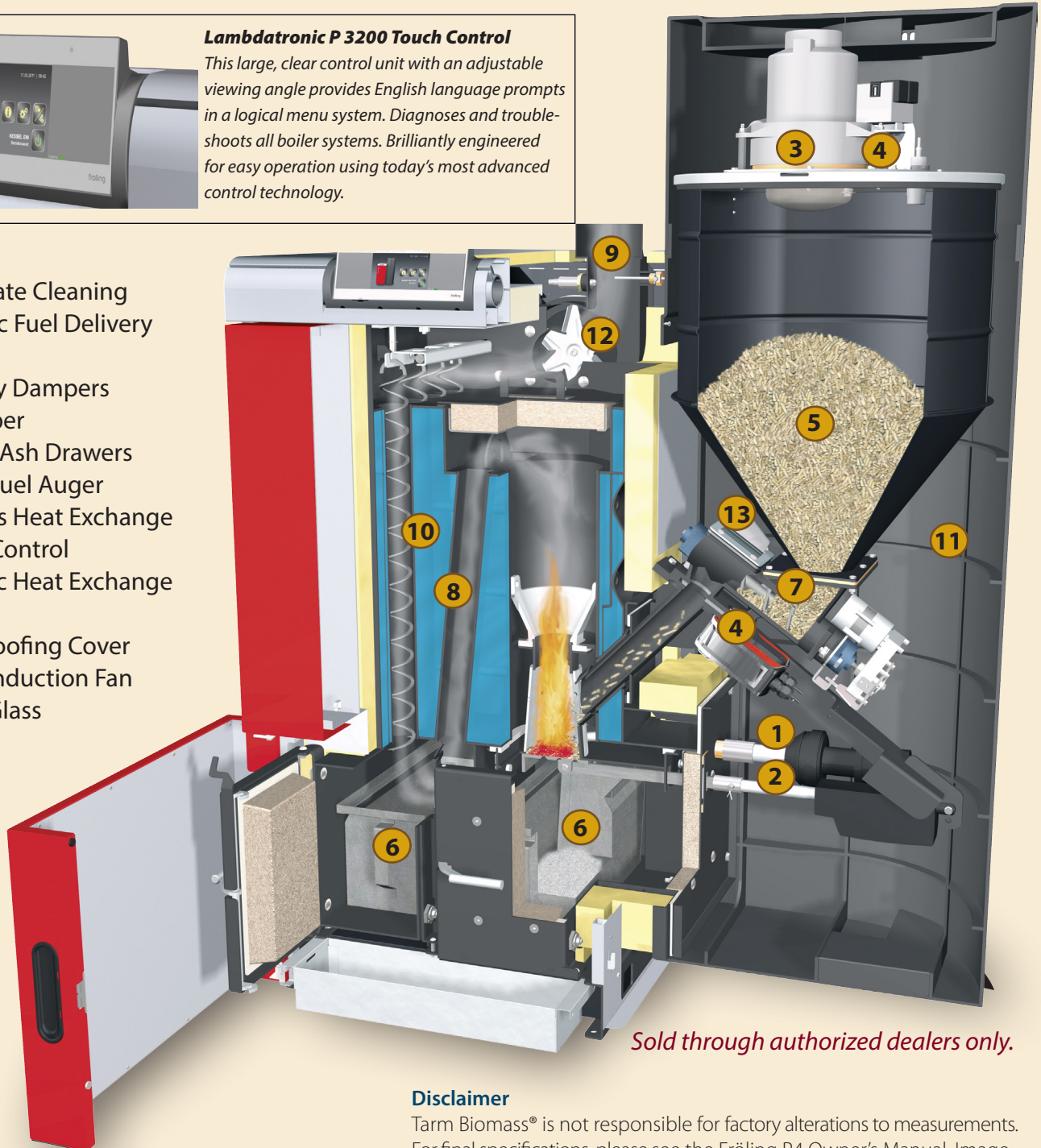
The P4 is among the most advanced pellet boilers available. Fully automatic ignition, coupled with a programmable user interface, automatic fuel feed and automatic ash removal means the P4 is extremely easy to use and requires very little maintenance. Please visit our website for a complete overview.



Lambdatronic P 3200 Touch Control

This large, clear control unit with an adjustable viewing angle provides English language prompts in a logical menu system. Diagnoses and troubleshoots all boiler systems. Brilliantly engineered for easy operation using today's most advanced control technology.

- 1 Ignitor
- 2 Active Grate Cleaning
- 3 Automatic Fuel Delivery Vacuum
- 4 Fire Safety Dampers
- 5 Day Hopper
- 6 Standard Ash Drawers
- 7 Inclined Fuel Auger
- 8 Three Pass Heat Exchange
- 9 Lambda Control
- 10 Automatic Heat Exchange Cleaners
- 11 Sound Proofing Cover
- 12 Exhaust Induction Fan
- 13 Viewing Glass



Sold through authorized dealers only.

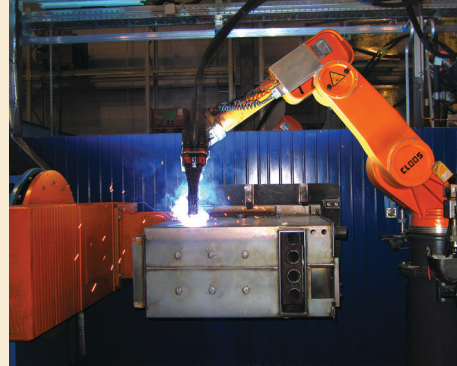
Disclaimer

Tarm Biomass® 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.

800.782.9927 | info@tarmbiomass.com | www.tarmbiomass.com



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	Model 48	Model 60	Model 80	Model 100
Rated heat output	BTU/hr	35,800	50,800	68,200	85,300	109,000	129,650	163,800	200,000	273,000	341,000
Rated heat output	kW	10.5	14.9	20.0	25.0	32.0	38.0	48.0	58.5	80	100
Heat output range	kW	3.1-10.5	3.1-14.9	6-20.0	7.5-25.0	8.9-32.0	8.9-32.0	14.4-48.0	17.3-58.5	24-80	30-100
Electrical power consumption (@240V)*	W	96	123	110	110	110	110	120	120	120	120
Water capacity	gals	18.5	18.5	21	21	33	33	45	45	74	74

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

Installation Data		Model 8/15	Model 20/25	Model 32/38	Model 48/60	Model 80/100
Boiler						
length ¹	inches	29 ¹ / ₈	29 ¹ / ₈	32 ¹ / ₄	35 ¹ / ₂	36 ¹ / ₂
length w/induced draft fan	inches	37	37	40 ¹ / ₈	43 ¹ / ₄	42 ¹ / ₄
width ²	inches	23 ³ / ₈	30 ³ / ₈	33 ³ / ₄	40 ¹ / ₂	48 ⁵ / ₈
width w/support	inches	27 ³ / ₄	34 ¹ / ₂	38	50 ¹ / ₄	58 ¹ / ₄
width w/feed cyclone	inches	46 ⁵ / ₈	53 ³ / ₈	56 ³ / ₄	70 ¹ / ₂	82 ¹ / ₄
height ³	inches	50 ³ / ₈	50 ³ / ₈	56 ³ / ₈	62 ³ / ₈	67 ³ / ₈
height w/feed cyclone	inches	65 ³ / ₈	65 ³ / ₈	74 ⁷ / ₈	74 ⁷ / ₈	75
Boiler dry weight ⁴	pounds	706	882	1032	1675	2800
Flue collar height	inches	53 ¹ / ₈	53 ¹ / ₈	60 ¹ / ₄	66 ³ / ₈	70 ¹ / ₄
Flue pipe diameter	inches	5	5	6	6	8

¹ Corresponds to the minimum positioning length.

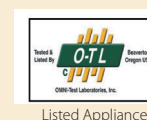
² Width of the boiler including support for positioning unit. Corresponds to the minimum positioning length after removing the stoker assembly, suction cyclone and positioning unit.

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

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

EPA ACCEPTED

P4 Model 80/100 is ASME stamped. Other models are pressure tested in accordance with EN 303-5, NON-ASME



Listed Appliance