



# AUTOMATIK SERIES

## FULLY AUTOMATIC PELLET BOILER

 AUTONOM

# MINIMUM USER INTERVENTION

The Automatik Series burner system has been developed as a very quiet and self-cleaning system. A unique design marvel with international Patent rewards, the burner is comprised of logical controls which helps promote an outstanding combustion process.

With its superior abilities, the Automatik burners are capable of igniting the wood pellets under 4 minutes.

Automatik Series, is the first boiler to operate under continuous of vacuum, which effectively prevents soot, smoke, or any gas leakage to the boiler room. The combustion chamber is made up of special stainless steel which is highly acid and hightemperature resistant. The series subsist a patented self-cleaning system to prevent the accumulation of ash and sticky substances blocking the combustion air of the burner grate.

The Automatik Series excel in reliability and long service life. That is why it is in great demand in Europe and more than 5 thousand products is successfully working for more than 12 years.



## FEATURES



### Back Burn Control

Since Automatik Series operate under negative pressure, fire back burn is prevented. In addition, safety thermostat that constantly controls the boiler water temperature prevents the boiler from reaching high temperatures.



### Advanced Control System

An advanced central control system regulates the system constantly with the data provided by sensors.



### Compact Burner Unit

Easily dismountable burner unit provides service friendly maintenance as well as accessibility.



### High Capacity Air Feed

Automatik Series boilers are equipped with high capacity flue gas vacuum fans. Precise control of the boiler at the desired capacity is provided with the infinitely variable (modulation) fan.



### Automated Ash Cleaning System

The ashes and wastes which are accumulated under the boiler are periodically collected to an external ash box by a screw feeder.



### Advanced Combustion System

With Automatik burners, up to 94% efficiency is obtained. Ignition element is a low power unit which decreases the electric consumption and also has a longer service life.



### New Elegant Control Panel

Every system on boiler is controlled by user friendly control panel. All functions are expressed by symbols for any language.



### Automated Tube Cleaning

Automatik Series are equipped with a special turbulator system that enables periodically cleaning of tubes by the control panel.



### Automated Burner Cleaning

Automatik Series burner has a unique and patented cleaning system which effectively cleans the combustion chamber and discharges all the ashes.



### Pellet Silo Variations

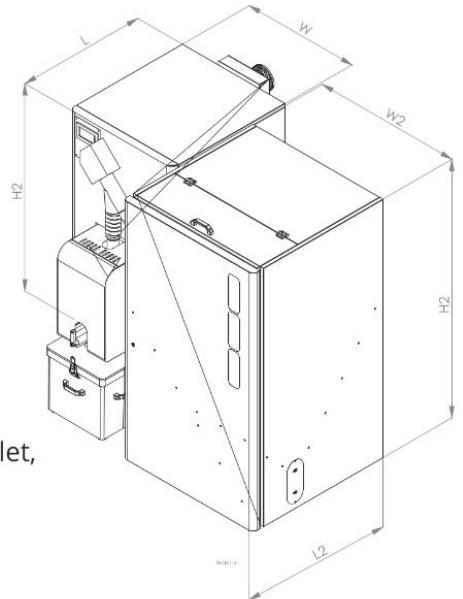
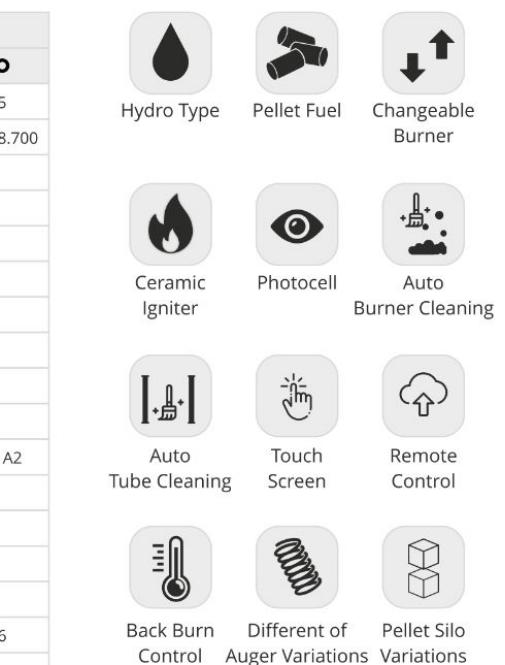
Different sizes of fuel silos designed for different boiler capacities. Silos are sent disassembled for ease of transportation and easily installed.

# TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATION OF AUTOMATIK		Unit	BOILER TYPE		
			AA275	AA350	AA500
CAPACITY	Nominal-Minimum Heat Output	kW	80 - 24	100 - 30	150 - 45
		kcal/h	68.800 - 20.640	86.000 - 25.800	129.000 - 38.700
	Direct Efficiency in Full Load	%	92,0	92,0	91,0
OPERATING CONDITIONS	Boiler Class	°C	CLASS 5 acc. To EN 303-5		
	Safety Limit Temperature	°C	95		
	Setting Range for Operating Temperature	°C	80 - 65		
	Min. Water Return Temperature	°C	55		
	Operating & Test Pressure	bar	3 - 4,5		
	Electrical Connection	-	230 Vac , 50 Hz		
	Average Electricity Consumption	W	210	210	320
	Recommended Fuel Types	-	Ø6 mm Premium Quality Pellet, EN Din PLUS A1, A2		
MAIN DIMENSIONS	Cabin Width, W	mm	750		
	Height, H	mm	1695		1710
	Cabin Depth, L	mm	825		1275
	Total Boiler Depth ± 2, Lt	mm	1420		1935
	Stack Size, (Outer, ØD1 -Inner Diameter)	mm	180-176		200-196
	Height of Stack Connection, H1	mm	1420		1210
	Water Content	lt	117		250
	Empty Weight	kg	450		625
	Filling & Drain Connections	ØD2	½"		
	Hot Water Outlet Connections	ØD3	2", Male		
		H3	mm	1365	1750
	Water Inlet Connections	ØD4	1365		
		H4	mm	197	215
FUEL & STORAGE	Fuel Container Type	-	PS800		
	Net Volume	lt	800		
		kg	520		
	Silo Dimensions	mm	950x950x1633		

## Highlights on the Features of Automatik

- Automatic ignition,
- Automatic cleaning of boiler tubes,
- Automatic cleaning of burner grates,
- Automatic ash removal,
- Automatic pellet-air ratio control (automatic adjustment of pellet dosage),
- Flexible installation ( can be used easily with the closed expansion tank),
- External fuel silo,
- User friendly digital display,
- Optimum combustion performance with superior control software for pellet,
- Electronic air supply regulation, up to 94% efficiency,
- Easy maintenance with patented modular burner,
- Industrial performance for hotels and big businesses.





## LES CHAUDIÈRES AUTONOM / AUTONOM BOILERS

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