

All-in-one **Pellet Boilers**

"Your Pellet Boiler is now on the Balcony"

Cortena Series is designed to fit limited spaces. Due to this feature can be easily installed in the lowest possible space in a boiler room and even balconies.

The compact structure of the Cortena Series is remarkable and fast becoming a leader in its own right. With the large integrated fuel tank, fuel loading intervals have been extended to the maximum. It is a true plug & play product as it includes all features required in a boiler room with its circulation pump, expansion tank, plumbing, and modular burner, it ensures to occupy the lowest possible space in a boiler room.

Cortena Series is equipped with top-of-line safety measures. Pressure discharge valves prevent any damage in an event of unexpected pressure increase inside the combustion chamber. All child-accessible doors are protected with child locks. With these features, safety is top-level among equivalents.

Due to the automatic cleaning feature, accumulated ash in the burner is collected in the ashtray without the need to open the front door, increasing the combustion efficiency, and consequently, the cleaning intervals are extended. This process increases your comfort and decreases your expenses.





Features



Modular Burner & **Cleaning Mechanism** Cortena Series automatically cleans

itself at certain intervals in order to ensure the smooth and easy operation. Prolonged times of uninterrupted burning ensures comfort and efficiency. This feature is the first in this



glasses, pressure discharge valves, child lock on door and fire resistant cable covers ensures top-level safety.



Large fuel tank providing maximum period of operation. The hatch of silo opens to sides or forth-back depending on the user preference. It is easily adjustable by the user. This is a standard feature in all Cortena products.

Large Fuel Tank



provide sanitary hot water with the addition of a plate heat exchanger to the boiler and must be selected during the order phase.



Adaptive Air Feed

The high-capacity fan ensures efficient combustion and prevents gas leakage.

All-in-one System

Cortena comes with an pump and all with plumbing ready to start right away. It is a true plug & play product out of the

Easy Cleaning

An ashtray located beneath the burner allows easy extraction of ashes. All the ash is accumulated here as a result of the operation of the automated benefit the automated cleaning system which is active during operation. Tubes are easily cleaned by the move of an external arm removing the necessity of opening up the boiler for cleaning.

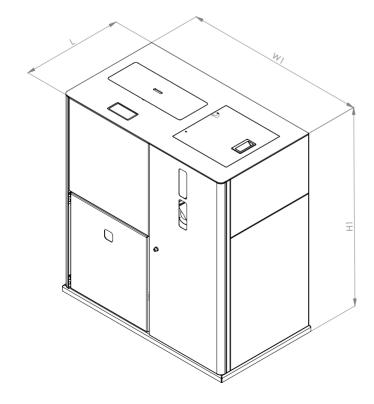
Fresh Air Inlet The fresh air inlet is order to not consuming ambient air.





Technical Specifications

TECHNICAL SPECIFICATION of CORTENA			Linit	TYPE
			Unit	C23
CAPACITY	Nominal-Minimum Heat Output		kW	23 - 6,9
			kcal/h	19.780- 5.934
	Direct Efficiency, Full load		%	>90%
OPERATING CONDITIONS	Safety Limit Temperature		°C	95
	Max. Operating Temperature		°C	80
	Min. Water Return Temperature		°C	55
	Operating ® Test Pressure		bar	1,5 - 4
	Electrical Connection		-	230 Vac , 50 Hz
	Required Stack Draught		Pa	-10
	Fuel Type		-	Ø6 mm Premium Quality, EN Plus A1
	Approximate Fuel Consumption	in full & partial load	kg/h	5,4 - 1,6
MAIN DIMENSIONS	Base & Boiler Width, W1 & W2		mm	1015 - 1000
	Base & Boiler Length, L1 & L2		mm	570 - 560
	Height, H		mm	1090
	Stack Size (Inner-Outer), ØD1		mm	98 - 102
	Flue Gas Exit Connection	Position & Height, A & H1	mm	450 - 315
	Boiler Empty Weight® Freight Weight		kg	325 - 350
	Freight Dimensions (width x depth x height)		mm	710x1160x1250
INSTALLATION & WATER CONNECTIONS	Water Outlet Connection	Diameter, ØD2	inç	1''
		Position & Height, B & H2	mm	95 - 650
	Water Inlet Connection	Diameter, ØD3	inç	1''
		Position & Height, C & H3	mm	42 - 300
	Expansion Tank Volume		lt	12
	Water Content		lt	65
STORAGE VOLUME			lt	100
			kg	75



Highlights on the Features of Cortena:

- Proportional air fan control with unique software support,
- User friendly control system,
- Unique software for regulation of combustion,
- Large internal fuel storage,
- Easy cleaning,
- Flexible and easy installation,
- Easy service & maintenance design,
- Automatic ignition,
- Auto cleaning system,
- Superior security measures,
- Package system and plug-and-play feature.

