

# PLC

## automatic pellet unit



PELLET COMPACT PLC range is an economical alternative for pellet unit.

The boiler construction is pressurized with tubed heat exchanger for bigger heated surface under reduced dimensions and smooth pellet burner operation.

The product is offered as a complete pellet unit including the boiler, pellet burner, feeder and pellet tank.

The door opening is reversible, it can be adjusted on both sides.

It offers easy cleaning and maintenance and comes with a big volume ash box under the boiler.

The silo volume can be chosen according to the desired autonomy.

## Fuels



pellet



Automatic power setup



Automatic ignition and flame supervision



Burner automatic cleaning system with compressed air



3 years warranty



Safety features and automatic error diagnosis

## Main features

- Complete pellet unit with compact dimensions
- Built-in controller with multiple functions and LCD screen
- Automatic cleaning by means of compressed air (additional compressor requested)
- Automatic power setup according to heat demand
- Automatic pellet feed according to power level
- Ceramic ignition element for long-life operation and fast ignition
- Control of central heating pump and hot water / buffer pump
- Temperature sensors for boiler and hot water temperature
- Three different silo types to choose

### Safety devices:

- Elbow-shape feeder to prevent backfire entry from burner into pellet hopper
- Melting feeding hose
- Safety contact thermostat
- Fuse protection
- In case of power interruption, all parameter settings are stored in the memory of the controller

## BOILER CONTROLLER



Burner controller ensures the smooth and safe operation of the heating system. Compared with most pellet burners on the market, the controller is far more extensive in terms of function, possibilities and ease of use.



Automatic power level



Central heating pump



Hot water/buffer pump



Room thermostat

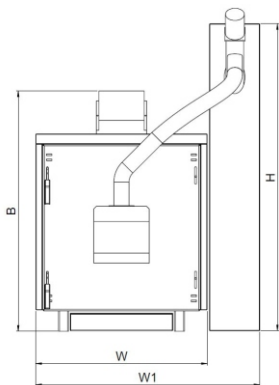


Alarm signals

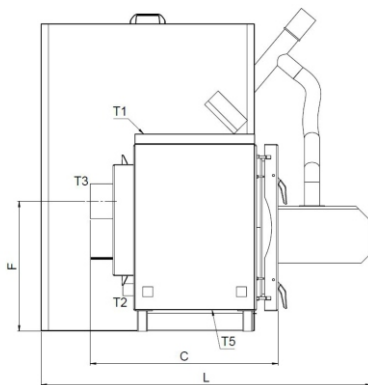


- LCD screen (2x20 characters)
- 5 menus (A. Furnace settings, B. HUW settings, C. Burner settings, D. Device settings, E. Manufacturer settings)
- Five languages : English, Greek, Polish, German, Romanian
- Boiler/furnace temperature sensor
- HUW/buffer temperature sensor (optional)
- Electric cable for connecting CH pump
- Electric cable for connecting HUW/buffer pump (optional)
- Room thermostat connection
- Accoustic alarm outputs in case of error
- Diagnosis of errors
- 4A fuse for high voltage protection
- Built-in flash memory maintains programme settings and safety functions in case of power failure
- Automatic restart of the burner in case of a power failure

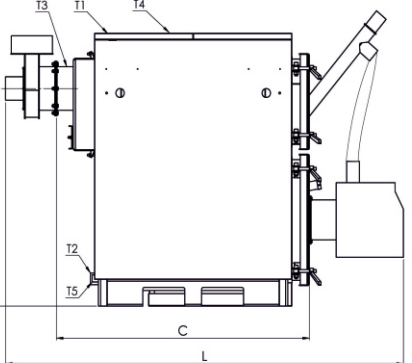
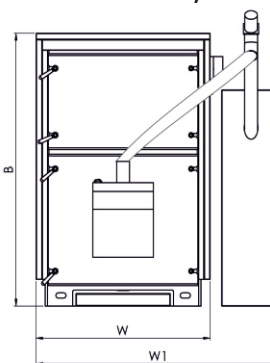
## TECHNICAL DATA



PLC 25-80



T1 - Outlet  
T2 - Return  
T3 - Chimney



PLC 150-250

Type		PLC 25	PLC 35	PLC 50	PLC 80	PLC 150	PLC 250	
Nominal power	kW	25	35	50	80	150	250	
Efficiency	%	91	91	91	91	91	91	
Max temperature	°C	90	90	90	90	90	90	
Max pressure	bar	3	3	3	3	3	3	
Water contents	lit	80	100	140	220	510	850	
Weight	kg	230	280	455	510	980	1485	
Electrical connections	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	
Dimensions	H/B	mm	1220/960	1220/960	1220/960	1220/960	1540	2180
	W/W1	mm	690/890	690/890	850/1050	850/1050	1035/1455	1220/1730
	C/L	mm	745/1310	845/1310	995/1310	1095/1310	1505/2370	2080/3000
	F	mm	515	515	600	600	1225	1600
	T1-T2	inch	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	DN 80
	T3	mm	Ø160	Ø160	Ø200	Ø200	Ø250	Ø300
	T5	inch	¾"	¾"	¾"	¾"	1"	1"