



- AUTOMATIC FUNCTIONING SYSTEM (AUTOMATIC LIGHTING AND FEEDING OF PELLETS),
- MADE IN ACCORDANCE WITH STANDARD PN-EN 303-5:2012,
- MECHANIC (AUTOMATIC - OPTIONAL) COMBUSTION TUBES CLEANING,
- HIGH EFFICIENCY, UP TO 90%,
- COMPACT SIZES,
- CERAMIC COVER OF THE BURNER,
- FUWI BURNER FOR PELLETS.

**PATENT RP No. 208898**



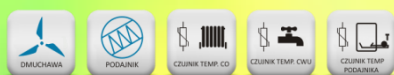
BURNER FOR PELLETS



WOOD PELLETS



AGRO PELLETS



**BOILER ALLOWS YOU TO CONTROL THE HEATING SYSTEM, INCLUDING A HEAT BUFFER, THE SOLAR SYSTEM AND 16 ADDITIONAL HEATING CIRCUITS (EACH CONTROLLED INDEPENDENTLY WITH THE WEEKLY TIME PROGRAM).**

- Automatic burner start. Flame control on photodiode. Fluently adjusts the amount of fuel and air. Buzzer informs about the state of an alarm. Two types of menu. The history of the last 20 alarms with date of their inception.
- Possible to use broadband Lambda probe (measuring the quantity of oxygen in the exhaust), and to control power of the burner with Fuzzy Logic II method. Possibility: connecting room sensor, weather sensor, control the mixing valve.

### POSSIBILITY OF COOPERATION WITH A GSM MODULE:

Remotely operated controller (control of the boiler operation and settings changing). Via SMS (mobile phone) – is possible to read or change the parameters of the heating controller from any location. Possible to set SMS notifications about important work changes.

### **MOBILE SERVICE MODULE FOR AUTOMATIC CONTROL OF BOILER SETTINGS.**

#### ➤ **FUNCTIONALITY:**

Modern and compact design allows for device installation in small spaces. Automatic corrects of fuel dosage and power of the fan. High functionality is existed through the use of automatic lighting and feeding of pellets.

#### ➤ **SAFETY:**

Safety systems allows for effective work of the boiler in open and closed heating systems. In accordance with European Standard EN 303-5:2012, this technology got V – the highest class of heating reliability and reduction of CO<sub>2</sub> gas.

#### ➤ **ECOLOGY:**

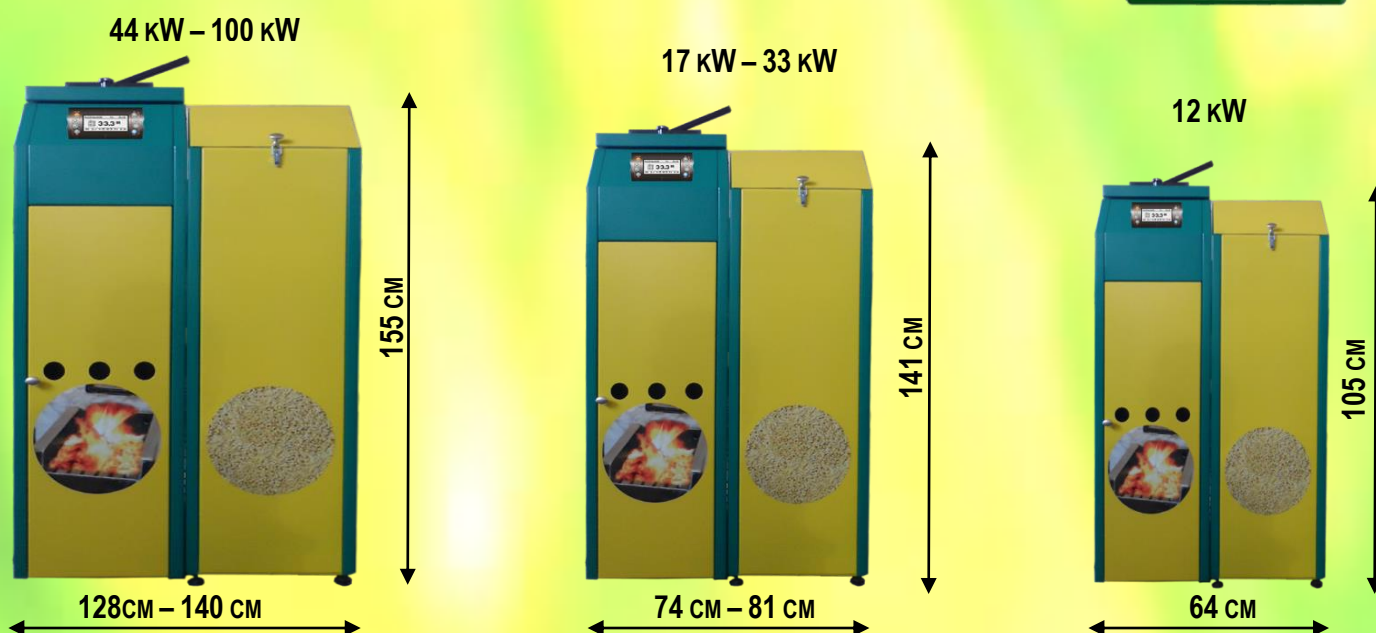
The long-term ecological effect – reduction of CO<sub>2</sub> gas emissions, is achieved by use of recommended ecological biomass fuel – pellets type.

## TECHNICAL EXPLOITATION DATA

DESCRIPTION	UNIT	TYPE OF BOILERS							
		12	17	24	33	44	55	80	100
NOMINAL POWER OF THE BOILER	kW	12	17	24	33	44	55	80	100
MINIMAL POWER OF THE BOILER	kW	3,5	4,9	7,2	10,0	13,2	16,2	24,0	28,4
FLOOR AREA OF ROOM BEING HEATED	m <sup>2</sup>	40 ÷ 120	100 ÷ 170	171 ÷ 240	241 ÷ 330	331 ÷ 440	441 ÷ 550	551 ÷ 800	801 ÷ 1 000
WEIGHT OF BOILER AND FUEL TANK	KG	160	220	260	300	440	470	560	590
BOILER AND FUEL TANK DIMENSIONS (WEIGHT / DEPTH / HEIGHT)	CM	64 / 76 / 105	74 / 86 / 141	78 / 86 / 105	81 / 86 / 141	128 / 110 / 155	132 / 110 / 155	136 / 110 / 155	140 / 110 / 155
FUEL TANK CAPACITY	KG	80	150		420				
SMOKE CONDUIT DIAMETER	CM	11	14	16	18	22	18 x 30	18 x 30	
HEIGHT FROM BASE TO CENTER OF FLUE	CM	94	125		138				
WORKING PRESSURE	BAR	2							
RECOMMENDED CHIMNEY DROUGHT	MMBAR	0,15 - 0,25				0,20 - 0,30			

### EXPLOITATION OF DEVICES ALLOWS TO ACHIEVE THE FOLLOWING RESULTS:

- HEATING COSTS REDUCTION,
- SMALLER SPACE FOR THE BOILER ROOM,
- MINIMIZATION OF EQUIPMENT MAINTENANCE,
- MINIMIZATION OF EXHAUST EMISSIONS TO THE ENVIRONMENT,
- FULLY AUTOMATION OF HEATING.



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