

Futura Pellets B

Futura Pellets B is a device with automatic pellet combustion, and cleaning system. Both models are equipped with a permanent cast iron grate and cleaning mechanism for easy operation boiler.

FUEL
 Recommended fuel: pellet with a diameter of 6 to 8mm, a length of 5-30mm (20% up to 45mm) and a maximum ash content of up to 2%. Maximum humidity pellets should not exceed 10%. The calorific value of the pellets should be greater than 17.5 MJ / kg.

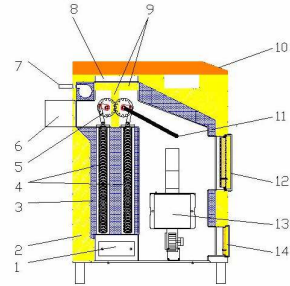


TECHNICAL DATA

Model		Pellets B 15	Pellets B 40	Pellets B 60	Pellets B 100	
Power range	Pellet 19MJ/kg	kW	8-25	15-40	20-60	40-100
Heat exchange surface	m ²	2,5	4,0	5,2	9,1	
Efficiency	%	89-91.5		88-89		
Water capacity	dm ³	130	145	230	315	
Max working pressure	bar	2				
Min outlet temperature	°C	55				
Min. inlet temperature	°C	90				
Max. Outlet temperature	°C	140-180		160-220		
Flue gas temperature at nominal power	°C	100-130		100-150		
Boiler class. PN-EN – 303-5		III				
Water-side resistance; Δt=10K	mba	2-20				
Water-side resistance ; Δt=20K	r	0,5-5				
Chimney pressure	Pa	20				
Recommended chimney height	m	8	8	8	10	
Recommended chimney section	cm ²	400	400	400	600	
Fuel tank capacity	dm ³	300, 700 or else an individual order				
Fuel consumption at nominal power	Pellets 19MJ/kg	kg/h	5,59	8,94	13,42	21,3
Power consumption	kW	0,45-0,6			0,6-0,8	

BOILER CONSTRUCTION

1. Lower cleaning hole
2. Thermal insulation of the boiler
3. Water coat
4. Turbulizers
5. Cleaning mechanism
6. Flue outlet
7. Cooling coil
8. Upper cleaning hole
9. Ceramic elements
10. Controller
11. Lever mechanism of cleaning
12. The door of the combustion chamber
13. Pellet burner
14. Ash door



AUTOMATION



RK 2006 L Supports domestic hot water pump and central heating pump and cooperates with a room thermostat



Controller FUZZY LOGIC Ecomax 800P Supports domestic hot water pump and central heating pump and cooperates with a room thermostat. It can cooperate with mixers and buffer tank

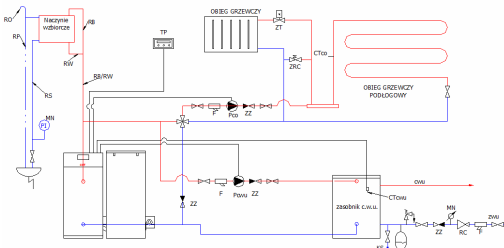
ADVANTAGES OF THE BOILER

- Automatic combustion system
- Modulating boiler power
- Exchanger cleaning system
- Expandability automation

Emission

Model	Unit	Pellets B 15	Pellets B 40
CO Emission (O2=10%)	mg/m3	372	385
OGC Emission (O2=10%)	mg/m3	45	67
Dust Emission (O2=10%)	mg/m3	48	53

Installation diagram: domestic hot water and central heating with thermostatic valve



DIMENSIONS OF BOILERS

	Pellets B 15	Pellets B 40	Pellets B 60
A	1240	1470	1470
B	940	940	1150
B1	630	630	770
C	1280	1280	1600
D	280	410	410
E	915	1120	1120
F	1080	1300	1300
a	1 1/2"	2"	2"
b	1 1/2"	2"	2"
c	1/2"	1/2"	1/2"
d	140	180	200
e	1,2"	-	-
f	1,2"	-	-

