



QUALITY WITHOUT COMROMISE

Radijator
ENGINEERING

BIOlux

BIOlux is designed for combustion of wooden pellet of 6 mm in diameter and up to 25mm in length and all according to pellet production standard ONORM M 7135.

This Radiator Engineering product is designed for the assembly in the heated object itself. Unlike classical boilers no special room that is boiler-room is needed. However, due to the delicacy of the combustion process which takes place within the living spaces, one should consult professionals authorised by the producers or directly by Radiator Engineering when choosing the place of assembly as well as when connecting it to the chimney.

It is possible to assemble it to the façade chimneys of minimum 100mm in diameter. Smoke output from the fireplace of 80mm in diameter.

The energy gained from the combustion is transferred via heating into the space in two ways:

- The power transferred on boiler's part which is given to the radiators is 14kW
- The power is emitted into ambient via emission is 6 kW

The following things are installed within BIOlux:

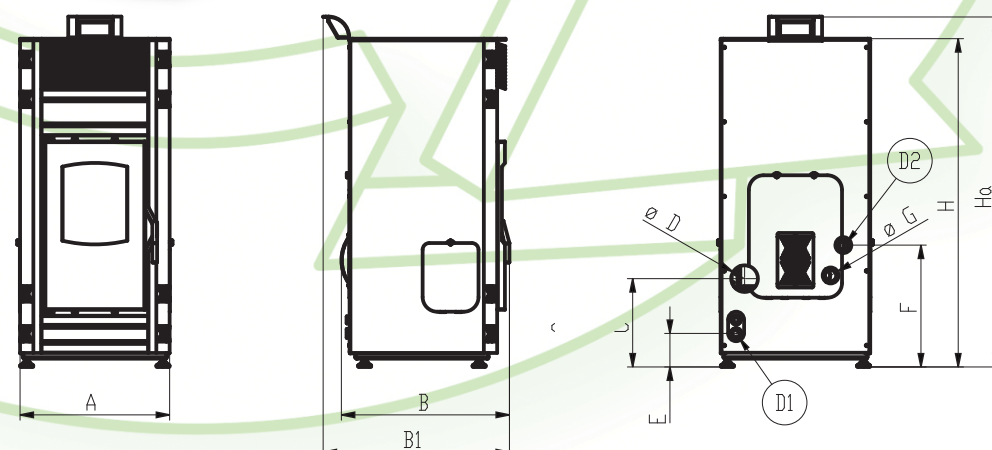
- Circular pump
- Expansive bowl of 10 litres
- Water pressure control
- Air pressure control

The combustion process is led automatically, the user just chooses one of the three possibilities of combustion power. Firing is done electrically. It is possible to programme working mode and period of work termination by week-timer.



Type of boiler		BIO lux	
	unit		
Power	kW	14	
Power of radiation	kW	5	
Working pressure	bar	2.5	
Test pressure		4.5	
Volume of water in the boiler	L-cca	36	
Mass of boiler	kg	240	
Requirement air flue	Pa	15-18	
Max.temp. hot Water	C	90	
Min.temp. cold Water	C	60	
Efficiency		%	
DIMENSIONS	A	mm	565
	B		635
	B1		700
	C		332
	ØD		80
	E		126
	F		458
	ØG		50
	H		1234
	Ha		1315
	D1	col	1"
	D2		1"

* We reserve the right to change



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COMPACT 20

Compact 20 is designed for combustion of wooden pellet of 6 or 8mm in diameter and 25mm in length. The pellet must match the ONORM M 7135 standard.

Compact 20 is assembled into boiler-rooms, except that it has advantages in the situations where the more compact dimensions are required. The total width is 870mm and by easy disassembling it can turn into two parts, the boiler part wide 580mm and silage part wide 290mm.

It is assembled on typical chimney of minimum 130 in diameter. The chimney must meet the all the other standards as the same as the typical boilers.

The nominal power of Compact 20 is 20kW according to the EN303-5 standard.

The appropriate circular pump and expansive bowl of 10 litres are installed within the boiler. The boiler is delivered with the both mechanical and venting safety valve.

The boiler has changer for thermal safety leakage valve. The pellet combustion is done on backfill furnace.

The process is led automatically and the choice of one out of five power levels is allowed. It is possible to install the room thermostat and programme the working start periods and stagnancy cycle for seven days.



Compact 20			
	unit	data	
Power	KW	20	
Working pressure	kPa	300	
Test pressure		450	
Volume of water in the boiler	L-cca	78	
Mass of boiler	kg	360	
Max. working pressure	bar	3	
Max.temp.hot water	C	90	
Max.temp.cold water	C	60	
Efficiency	%	>92	
DIMENSIONS	A	mm	870
	A1		560
	A2		290
	B		783
	B1		1165
	C		1300
	fD		130
	E		1080
	F		160
	G		90
	H		1363
	K		900
	D1	col	1"
	D2		1"
	D3		1/2"
	D4		1/2"
D5	1/2"		
D6	1/2"		
D7	1"		
D8	3/4"		

* We reserve the right to change

