REGIONAL PROGRAMME
NATIONAL COHESION STRATEGY

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND

KOSTRZEWA®
Experts in heating

established in 1978

Twin Bio

The true form of purism
Combination of perfection and reliability

Platinum Bio controller with the 2 nd generation
Fuzzy Logic technology reduces fuel consumption by 20%

Boiler class according to EN 303-5:2012 • class 5 • Boiler class according to EN 303-5:2012

Electric energy consumption • < 0,005 kWh$_e$* • Electric energy consumption

Bundesamt
für Wirtschaft
und Ausfuhrkontrolle

ecoburning

Twin Bio boiler meets the requirements of the PN-EN 303-5 2012 norm

models [kW]

16 | 24

fuel


pellet

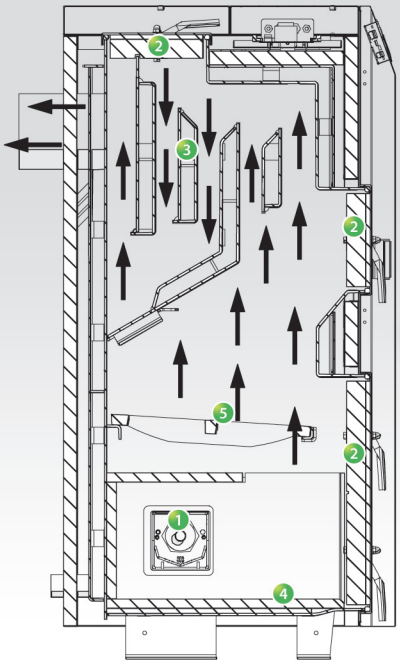

pellet / oats 50 / 50


wood

7/24	P265 GH	GSM	5 class	> 90%	5 years
Manufacturer service	Boiler steel	GSM module	Equipment class	Boiler efficiency	5 years + extension of warranty for 2 years

Designed using 3D CAD SolidWorks Premium and SolidWorks Flow Simulation technologies

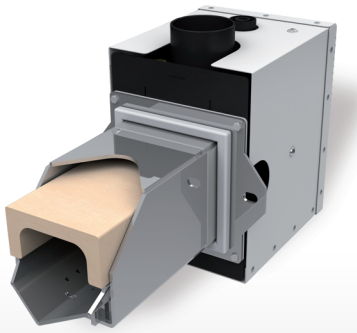
1. **Platinum Bio burner with ceramics**
2. **insulation ceramics**
3. **combustion gas rotator reduces** – temperature of the exhaust gas
4. **ceramic chamber**
5. **grid for wood**
6. **fuel conveyor**
7. **container** - 286 l volume made of galvanised tin

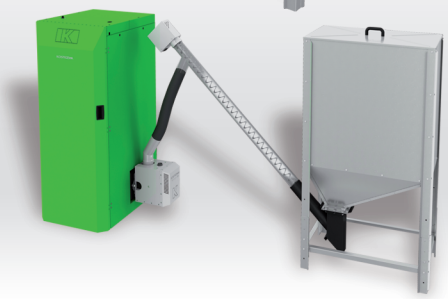


Twin Bio

- doorstep or construction site delivery
- warranty service and post-warranty service
- 5 year warranty with a possibility to extend it by 2 years
- authorised technician network machinery and spare part distribution network all around Poland

1 litre of diesel fuel = 2 kg of granules



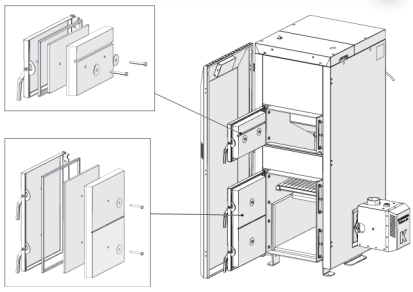


Burner Platinum Bio

Economic engine of the whole system. Mechanically and technologically advanced element producing heat energy from pelets. Durable, energy saving, reliable, low-noise device manufactured from steel which allows continuous and reliable operation for many years.

2 generation Fuzzy Logic Platinum Bio controller

The heart of the boiler is its controller. It is a specialised electronic system, which maintains constant boiler temperature by correspondingly dosing fuel and air, but also controlling the heating system of the whole building including: heating buffer, solarium system and 16 additional heating circuits.



door insulation

The equipment is designed to burn pellets and oats. Burnt biomass, unlike burnt coal or oil, does not emit harmful gases into atmosphere. By using renewable fuels everyone can fight the climate changes. It is manufactured of high quality materials and is additionally provided with a 3 year warranty, therefore exploitation costs can be reduced and trust in new technology can be raised.

2 generation Fuzzy Logic regulation technology reduces fuel consumption by 20% and reduces component wear off in comparison with competitive burners.

The main advantage of the burner is its simplicity in maintenance, comprising of filling of the main container with fuel and pressing the START button. In a few minutes the equipment will automatically ignite and will maintain constant water and room temperature.

The fuel tank is made of galvanised tin, which is highly resistant to corrosion.

If you prefer using wood, you need to select "wood" in the main controller of the heating boiler and the burner will automatically switch off and a ventilator will switch on.

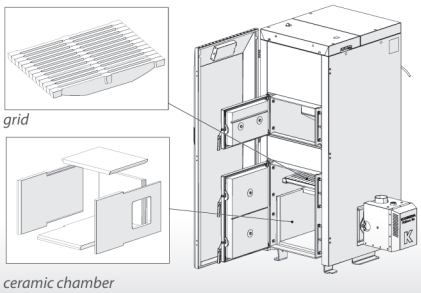
The main automated options:

- boiler temperature
- burner temperature
- room temperature - option
- hot water temperature - option
- central heating pump
- hot water pump
- two types of menus: main and advanced
- burner operation statistics
- automated fuel ignition
- choice of fuel: granules, oats, wood
- burner FL2 modulation
- supply and idle time
- menu language selection
- hot water programming
- facility heating programming
- coopartion with GSM module

Addition automation options:

- CAN module (control depending on air conditions 3 x c.h. + sensors)
- solar collector control
- buffer control (accumulator container)
- energy saving mode, when a building is empty
- control of 16 heating circuits
- lambda probe module

Platinum Bio automation group allows to design and control the complete heating system of a building.



grid

ceramic chamber

Detailed technical data of the equipment are available at the manufacturer's or distributor's.
The manufacturer reserves the right to alter the construction of the boiler seeking to improve operation of the equipment.
The capacity of the equipment is adopted to the 4th climate zone of Poland (max. temperature -24°C).

Type	TB 16	TB 24
Equipment area [m²]	50–200	100–300
Power range [kW]	4–16	7–24
Depth (with container) [mm]	697 (920)	697 (920)
Width (with burner and container) [mm]	518 (1503)	624 (1529)
Height [mm]	1370	1370
Container volume (l)	286	286
Weight [kg]	290	319

CE

Distributor

www.kostrzewa.com.pl
www.boilersforpellets.com
www.katilaigranuliniai.lt

P.P.H. Kostrzewa Sp.J., ul. Przemysłowa 1, 11-500 Giżycko, Poland
UAB "KOSTRZEWA Baltic" / Export department
Gabijos 32, Vilnius 06155, Lithuania

export@kostrzewa.com.pl
info@boilersforpellets.com
info@katilaigranuliniai.lt

+370 677 77766
+370 684 55025
+48 52 561 41 61