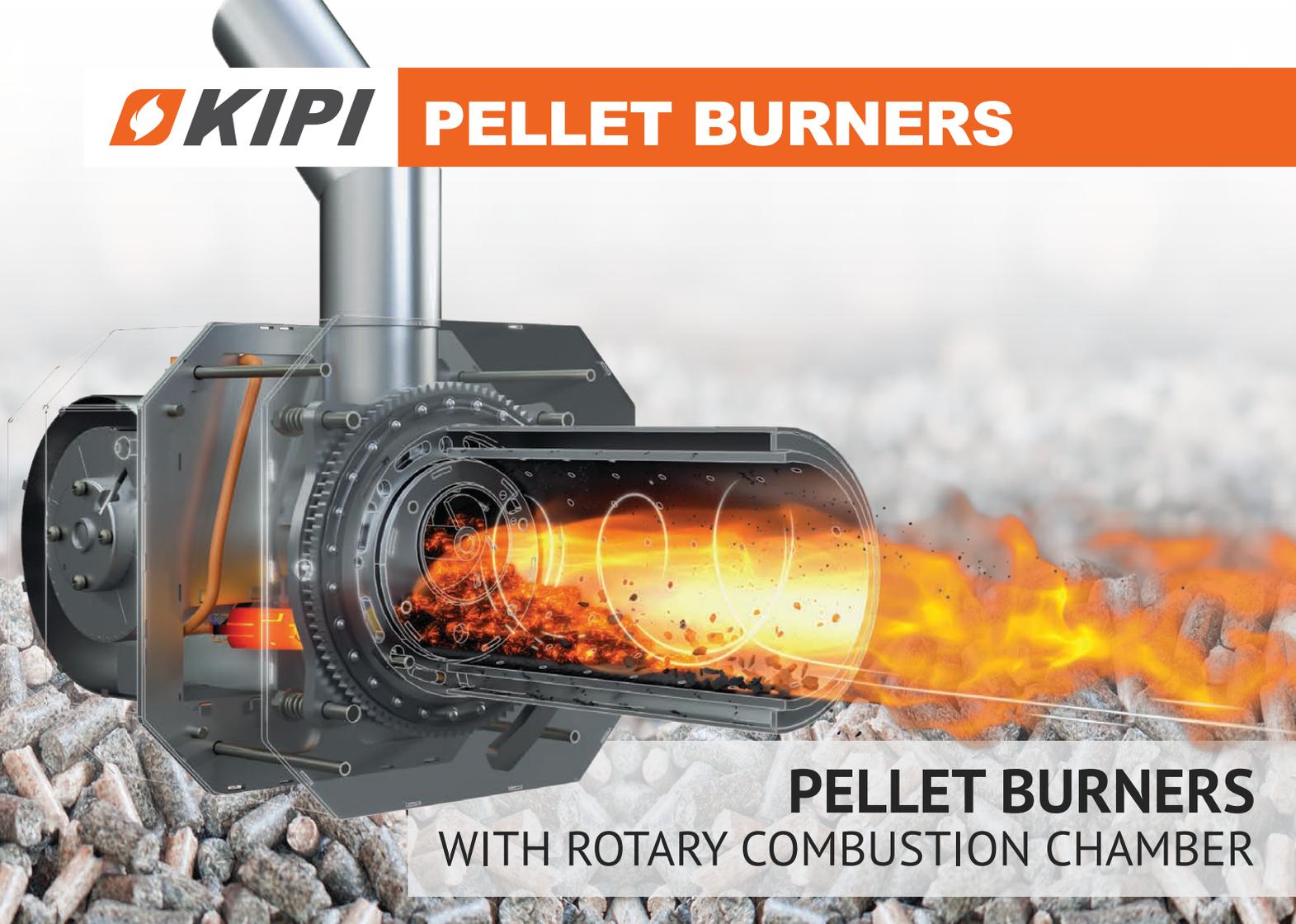




PELLET BURNERS



PELLET BURNERS
WITH ROTARY COMBUSTION CHAMBER

We have been producing pellet burners since 2010, when we designed the first pellet burner with a rotary combustion chamber. It was our response to the products present in the market, which we had used, but which did not meet our expectations (burners required frequent cleaning, they had frequent breakdowns, it was difficult to select correct pellets). We have created a user-friendly product: **easily operated and maintenance-free.**

KIPI pellet burners are designed for all users, who want to **reduce heating costs** and find a convenient solution for modernizing their current oil, gas, or coal boiler.

KIPI BURNERS ARE SUITABLE FOR USE IN:

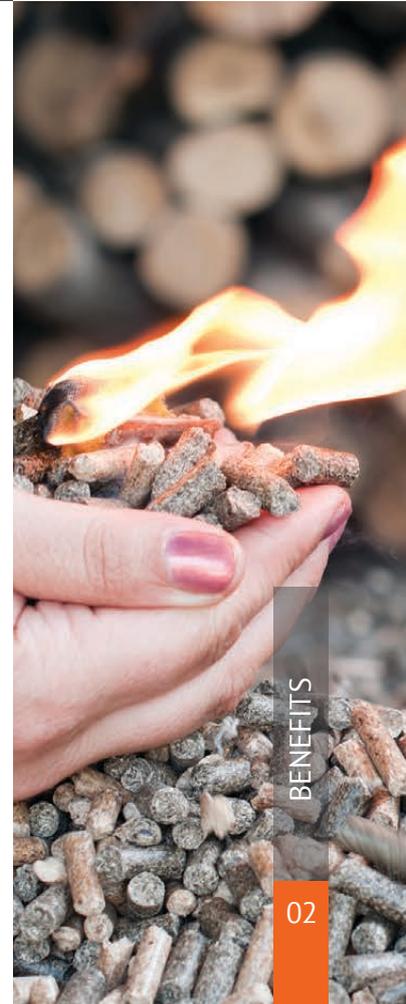
- **Residential housing** (*houses, estates*)
- **Public institutions** (*schools, offices*)
- **Industrial plants** (*bakeries, drying rooms/chambers, food industry*)

KIPI - winner of the VI edition of the program:

The combustion chamber and the blower chamber rotate and this movement remove ash and slag out of them, making the burner's **operation constant and efficient**, without any power drops and clogging.

WHAT ARE THE ADVANTAGES OF KIPI PELLET BURNERS?

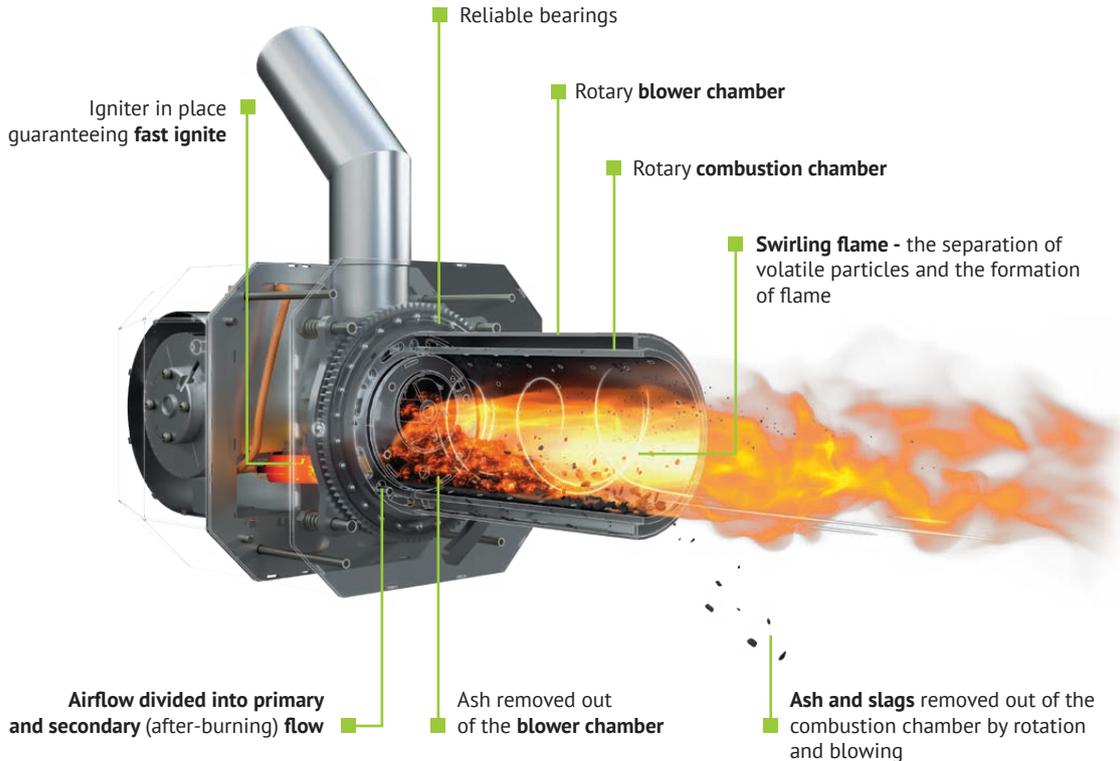
- **THEY SAVE YOUR TIME** - KIPI burners don't need cleaning (traditional solutions require cleaning of the burner chamber even twice a week).
- **THEY SAVE YOUR MONEY** – price of pellets make them an affordable solution. Our burners can burn pellets of lower quality, outside of DIN+ classification or even agro-pellets.
- **THEY CARE ABOUT YOUR COMFORT** – no cleaning required, remote control of the burner via the Internet, clean boiler room - these are solutions for the most demanding users.
- **THEY CARE ABOUT THE ENVIRONMENT** – pellets are ecological fuel and additionally our burners divide the airflow into primary and secondary (after-burning), which reduces emissions to a minimum.
- **THEY CARE ABOUT YOUR SAFETY** – solutions used in the burner, e.g. temperature sensor or air swirl guarantee your safety.



DESIGN SOLUTIONS APPLIED IN THE BURNER GUARANTEE ITS STABILITY AND RELIABILITY

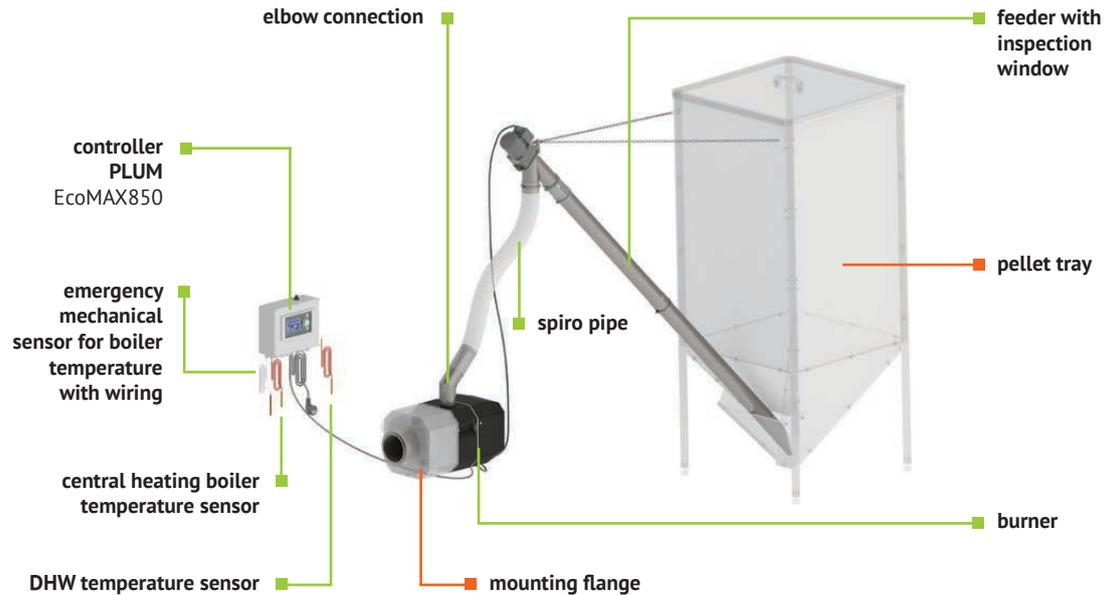
- **Rotary combustion chamber and blower chamber** - make the burner to continuously clean itself and work efficiently without clogging.
- **Bearings** - the design of the bearings is of great importance for proper burner operation. Our solution guarantees trouble-free operation.
- **Seamless combustion chamber** - i.e. one-piece tube, without welds ensures increased strength this component.
- **Modular design** - means fast and simple installation and servicing of the burner.
- **Airflow divided into primary and secondary (after-burning) flow** - reduces emissions and increases efficiency of the burner.
- **The temperature sensor mounted directly in the feeder** - ensures immediate response of the sensor to the potential risk of flashback.

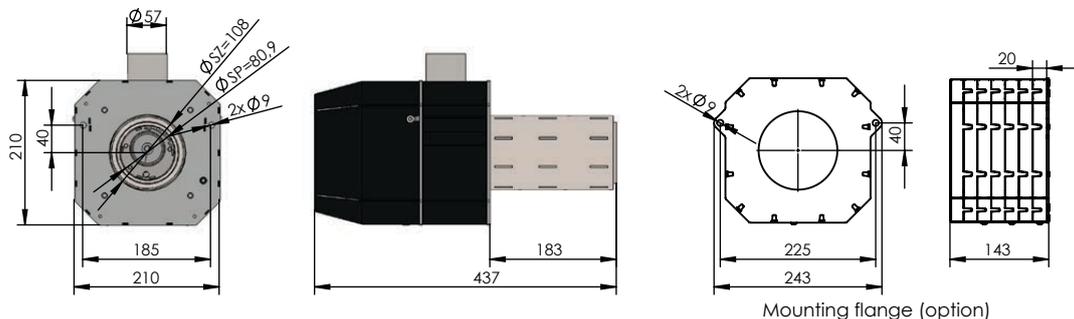
SCHEME OF THE DEVICE AND DESIGN SOLUTIONS APPLIED IN THE BURNER



KIPI PELLET BURNERS ARE EQUIPPED WITH THE FOLLOWING ELEMENTS:

- Standard equipment
- Optional equipment

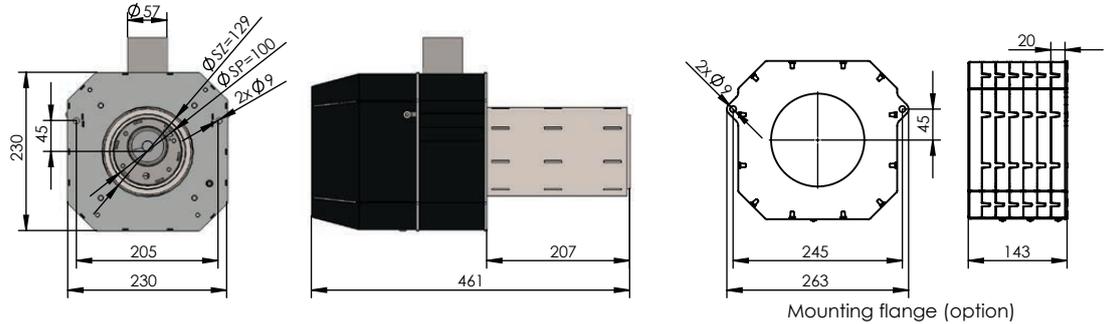




TECHNICAL DATA:

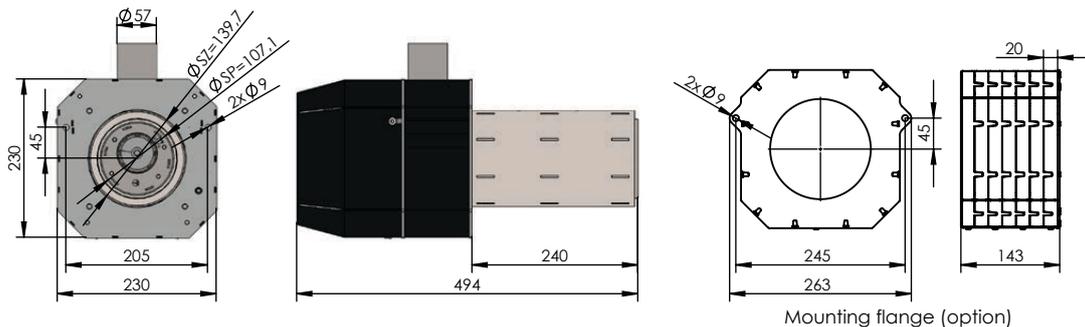
Output	4-16 kW
Diameter of the furnaces (SP)	ø80,9 mm
Mounting diameter (SZ)	Ø108 mm
Length of the combustion chamber (A)	183 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	20W
Igniter's power	200 W
Fuel type	pellet ø 6-8 mm, length 3,15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)





TECHNICAL DATA:

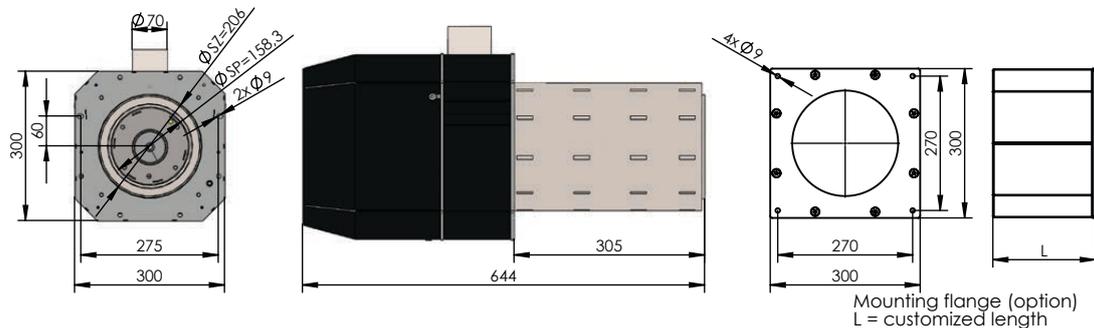
Output	6-26 kW
Diameter of the furnaces (SP)	Ø100 mm
Mounting diameter (SZ)	Ø129 mm
Length of the combustion chamber (A)	207 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	25 W
Igniter's power	150 W
Fuel type	pellet ø 6-8 mm, length 3,15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)



TECHNICAL DATA:

Output	8-36 kW
Diameter of the furnaces (SP)	Ø107,1 mm
Mounting diameter (SZ)	Ø139,7 mm
Length of the combustion chamber (A)	240 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	30 W
Igniter's power	150 W
Fuel type	pellet ø 6-8 mm, length 3,15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)

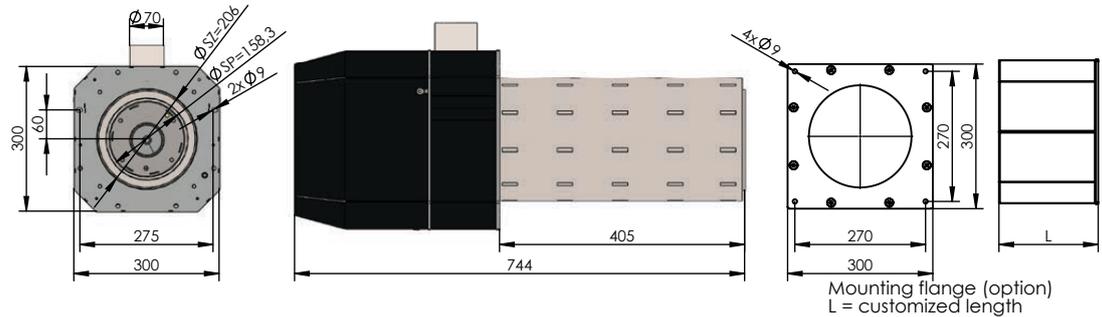




TECHNICAL DATA:

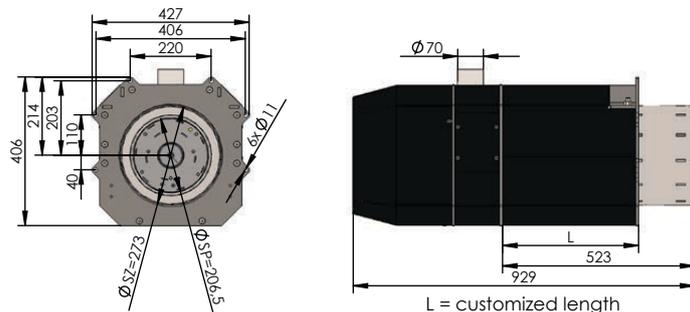
Output	15-70 kW
Diameter of the furnaces (SP)	Ø158,3 mm
Mounting diameter (SZ)	Ø206 mm
Length of the combustion chamber (A)	305 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	80 W
Igniter's power	150 W
Fuel type	pellet ø 6-8 mm, length 3,15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)





TECHNICAL DATA:

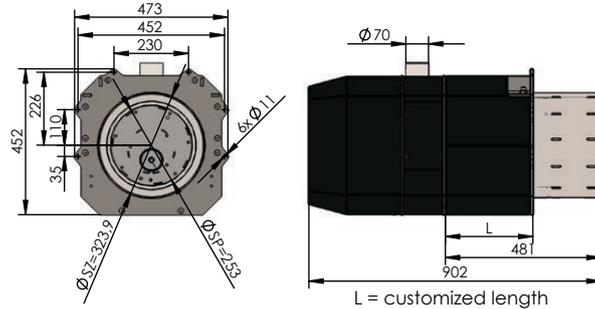
Output	20-100 kW
Diameter of the furnaces (SP)	$\varnothing 158,3$ mm
Mounting diameter (SZ)	$\varnothing 206$ mm
Length of the combustion chamber (A)	405 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	120 W
Igniter's power	150 W
Fuel type	pellet \varnothing 6-8 mm, length 3, 15-40mm, granules
Power adjustment	YES
Pellet feeder	YES ($\varnothing 60$ x 1850 mm working)
Spiro pipe	YES ($\varnothing 60$ x 750 mm)
Control (see page 15)	YES (Plum controller)



TECHNICAL DATA:

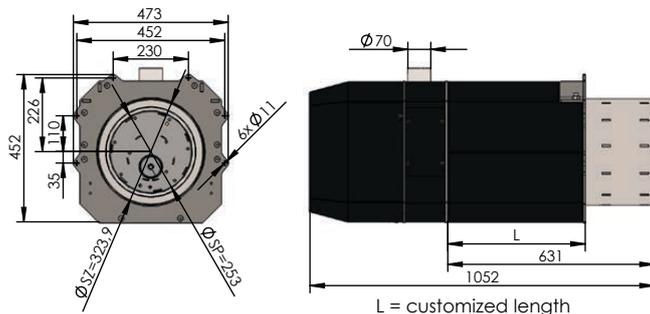
Output	30-150 kW
Diameter of the furnaces (SP)	Ø206,5 mm
Mounting diameter (SZ)	Ø273 mm
Length of the combustion chamber (A)	523 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	300 W
Igniter's power	2x150 W
Fuel type	pellet ø 6-8 mm, length 3,15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)





TECHNICAL DATA:

Output	30-200 kW
Diameter of the furnaces (SP)	Ø253 mm
Mounting diameter (SZ)	Ø323,9 mm
Length of the combustion chamber (A)	481 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	420 W
Igniter's power	2x150 W
Fuel type	pellet ø 6-8 mm, length 3, 15-40mm, granules
Power adjustment	YES
Pellet feeder	YES (ø60 x 1850 mm working)
Spiro pipe	YES (ø60 x 750 mm)
Control (see page 15)	YES (Plum controller)



TECHNICAL DATA:

Output	35-250 kW
Diameter of the furnaces (SP)	$\phi 253$ mm
Mounting diameter (SZ)	$\phi 323,9$ mm
Length of the combustion chamber (A)	631 mm
Power supply	230 VAC, 50 Hz (6 A)
Average power consumption	600 W
Igniter's power	2x150 W
Fuel type	pellet ϕ 6-8 mm, length 3, 15-40mm, granules
Power adjustment	YES
Pellet feeder	YES ($\phi 60$ x 1850 mm working)
Spiro pipe	YES ($\phi 60$ x 750 mm)
Control (see page 15)	YES (Plum controller)



250kW

In our burners we use the controllers of renowned Polish company PLUM.

These are very advanced devices enabling the use of many interesting features. Controllers provide the user with intuitive and simple operation.



STANDARD:

CH PUMP	HUW PUMP	MIXING VALVE PUMP	POWER MODULATION	SUMMER/WINTER	DISINFECTION	INTELLIGENT ALARM
MIXING VALVE	ROOM THERMOSTAT	FUZZY LOGIC	BUS EXTENDING	ANTI-STOP	BOILER SWITCH	CLOCK
FUEL LEVEL	TOUCH & PLAY	SMART MENU				

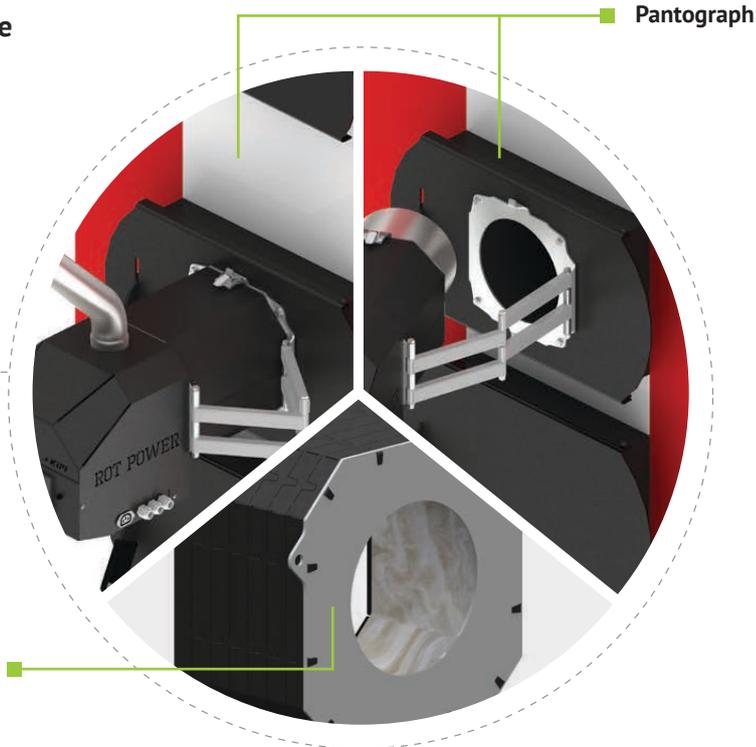
OPTION:

FUMES SENSOR	BUFFER	WEATHER CONTROL	LAMBDA PROBE	ECONET	ECOSTER TOUCH	ECOSTER 200

Mounting of the burners

For KIPI pellet burners we offer special **SYSTEMS FOR MOUNTING THE BURNERS IN THE BOILER:**

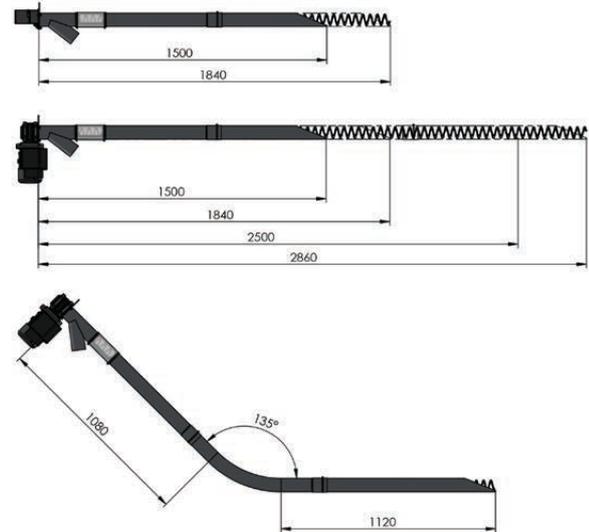
- Easier installation of the burner in the boiler
- Aesthetic appearance





Feeder is a device designed to transport pellets from the tray to the burner.

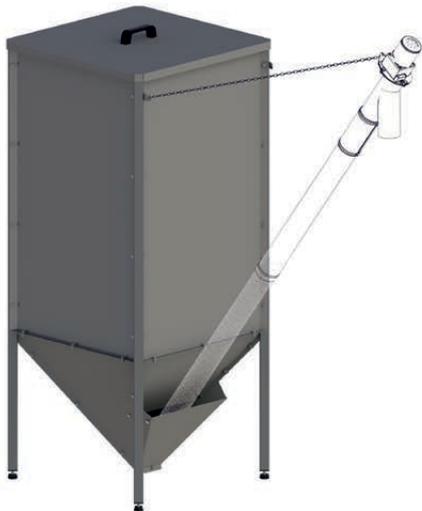
- Stainless steel tube
- Inspection window (for monitoring the operation of the device and the presence of fuel)
- Feeders of standard dimensions are supplied with the burner
- Option of customizing the feeders on individual demand



Pellet trays

We produce modular pellets trays, which are easily transported and assembled. Our standard offer includes trays with the following volumes: 330l, 440l, 820l, 1200l, 1800l.

- **Effective use of the tray volume**
- **Inspection window to check the fuel level**
- **Galvanized Sheet**



CAPACITY	HEIGHT	WIDTH
330l	1260mm	580mm
440l	1375mm	640mm
820l	1400mm	1000mm
1200l	1400mm	1300mm
1800l	1800mm	1300mm

- Option of customizing the trays on individual demand.





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CONTACT

DISTRIBUTOR:

A dashed rectangular box intended for the distributor's name.