



PELLET BURNERS
alternative to oil,
gas and coal heating



→ www.pellasx.eu



P.H.U. ISOL S.C. was founded in 1991 as a small, family owned company, dealing with advanced technologies of heating systems. It is situated in Poland, in picturesque Piła town, located in north – west part of country.

In 2001 Company started to produce burners on biomass under **Pellas X** brand. Constant aspiration towards producing highest quality devices, together with implementing newest technologies, allowed for very quick growth of the Company. Presently we are perceived as one of the leaders in production of ecological burners, not only in country, but also in the world. All products are designed and produced in factory in Piła, by competent and reliable team of constructors and engineers. Our specialists install burners in whole Europe and factory service offers help to customers located throughout the world.

The basis of our quality is perfectly equipped and constantly modernised machinery, which is provided by best suppliers renowned globally.

We own numerous innovative patents, which required lots of testing hours in laboratories. The first burner made by the Company was **Pellas X** mini burner with power output between 5 and 26kW. To meet the needs of our customers we enlarged our offer consequently up to 350kW burners. In such a way our products can be used in households, bakeries, hotels, public utilities, schools up to production or warehouse halls.

Our equipment due to its innovativity receives numerous prizes and awards in Poland and abroad. The biggest asset of our burner is that without necessity of implementing expensive changes in existing installation it can be mounted in any type of boiler – oil, gas or solid fuel one. Our burners are characterized with stepless regulation of settings allowing for usage in any type of oven or heating boiler. Firing-up, flame sustaining after reaching a preset temperature and fuel feeding is done automatically.



CERTIFICATES, AWARDS, DISTINCTIONS

All **Pellas X** burners have required quality and environmental certificates. Our devices are constructed in accordance with norms which refer to **CE** certification. That is why, when buying products signed by **Pellas X** brand you can be sure that you receive quality which is confirmed by certificates and license requirements. We have a norm for burners on pellet for small heating boilers PL-EN 15270:2008 and we are in the process of application procedure for TÜV Rheinland certificates.



ABOUT US

MISSION

The mission of our company is to help in actions for environmental protection and using renewable sources of energy. When producing our burners we use newest, ecological – friendly technologies. We want to satisfy needs of our customers by providing highest quality of our products, paying attention to their comfort and safety. Through constant investments in new technologies and machinery we want to maintain status of the most modern company in this trade in our country and to ensure high organizational level and competitive prices of products. Qualified staff supports us in those tasks, the team which sees its future and prospects of promotion together with development of our Company.

VISION

Our goal is to maintain position of undisputed leader amongst biomass burners producers in our country and to secure our place in the group of the best producers in the world. We want to present our business partners with a complex offer, therefore our vision covers further, dynamic growth of all segments in which we have been active so far, ie. trade, production, innovation, quality and wide range of service in and outside the country. While going towards those goals, we invest in new technologies to improve, quicken and expand production of burners. We enlarge also activities of our trade department to reach all customers with an offer tailored accordingly to specific needs.

QUALITY POLICY

The basic goal of the Company is to maintain the position of undisputed leader amongst producers of burners on biomass in Poland and membership in a group of the best producers in the world. All that by using latest technology and solutions. So how do we want to achieve that? By realizing following tasks:

- analysis of customers' satisfaction to determine their needs and expectations from products,
- constant modernization of machinery,
- inspecting the directions of heating market development,
- employing the best specialists and constant trainings of our staff,
- perfecting the product in order to present it to the customers in its best quality,
- cooperation with suppliers offering high – end products whenever we need them.

ENVIRONMENTAL PROTECTION

P.H.U. ISOL s.c. acts responsibly, with care about the world of nature. Today ecology is not only a question of care about environment, it is also a life – style. Our burners are designed for pellet made of post – production wastes in wooden industry (sawdust, shavings) and in processing industry (pits, oat, coffee, straw). In case of our company the main pro-ecological current is determined by strategy assuming using modern technologies which are ecologically – friendly. Responsibility for future of environment, for valuable realms of life and work of the human is written into strategy of development of **P.H.U. ISOL** company. It is something more than just duty of pro-ecological investments and ecological education, it is a message coming from value which **Pellas X** brand brings.



Modern solutions and timeless technology in which products **Pellas X** are made has been awarded with the title: Leader of New Technologies.



Quality and advancement of burners make big impression on competition committees, that is why **Pellas X** brand received numerous prizes and medals.

→ www.pellax.eu

APPLICATION

The offer of **Pellas X** burners is broad enough to reach customers at households, bakeries, hotels, utility companies, schools and even in production and warehouse halls. Thanks to patented technology of overpressured combustion **Pellas X** burners can be used in almost every central heating boiler, steam boiler, blowing oven or bakery oven. The biggest asset is that an investor who already owns a boiler room and a boiler can exchange the burner to **Pellas X** burner without necessity of introducing expensive changes in existing installation. Firing – up, flame sustaining after reaching the preset temperature and fuel feeding is done automatically and is compatible with solution which was previously used by the customer.



Single – family
houses



Multi – family
houses



Industrial
and usable
buildings



Bakeries
and driers

OIL BOILER



APPLICATIONS

BIOMASS

Constant and significant growth in prices of liquid fuels causes bigger interest in lot cheaper, alternative sources of energy. The offered range of **Pellas X** burners allows for effective burning of renewable fuels – **pellet**, **oat** and **pits**. Relatively small price of bio-fuels allows for **saving up to 60% of cost of fuel**.

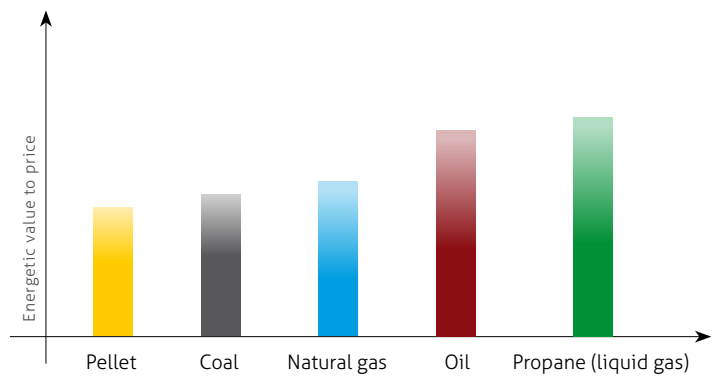
PELLET?

Pellet are by-product of wooden industry in form of granulate which is produced from clean mill-sawdust, chips of wood, shavings and grain of corn, stalks of green mass, hay and other waste-mass which is good for burning, for example after-sewage residues, scrap-wood and the like. Granulate is produced by pressing the material under high pressure, without any chemical sticking substances. It is a highly calorific fuel, it does not emit any harmful gases and leaves small amount of ash (burning 99% and more) so it is very friendly to environment.

Pellet are easy to transport, store and distribute. It is characterized with low content of moisture, dust and harmful substances.



ENERGETIC COMPARISON OF FUELS



OIL BOILER

STEAM BOILER

BAKERY OVEN



→ X - LINE

X - Line is the first line of burners produced by **Pellas X**. They are distinguished by following features: patented system of fuel mixing in burning chamber, technology of overpressured combustion and available to all models broadband Lambda probe. Firing – up, cleaning, flame control and start after loss of voltage is done automatically together with restoring memory of last settings. Biomass is the fuel in the shape of pellet, oat or pits.



auto
AUTOMATIC
CLEANING



<60W
LOW CONSUMPTION
of ELECTRICITY



POWER
3-STEPS POWER
MODULATION



CO CO₂
LOW EMISSION
of CO and CO₂



EFFICIENCY



LAMBDA SOND



**15270:2008
5th
CLASS**

**15270:2008
5th
CLASS**



FUZZY LOGIC



NO BACKFIRE



**REMOVABLE
FURNACE**



auto
AUTOMATIC
FIRING-UP



ALARM



**SUMMER / WINTER
MODE**



**BARRIER with
COUNTERWEIGHT**



DISTANCING



**QUIET
OPERATION**



CH + HUW



TOUCH SCREEN



**SERVICE
via the INTERNET**



GSM SERVICE



**FUEL AMOUNT
CONTROL**



**3
years
GUARANTEE**

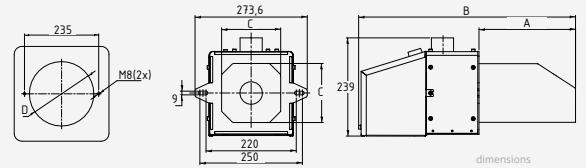


STATISTICS



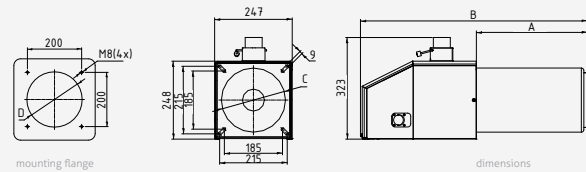
**MIXING
FINGER**

Pellas X Mini group

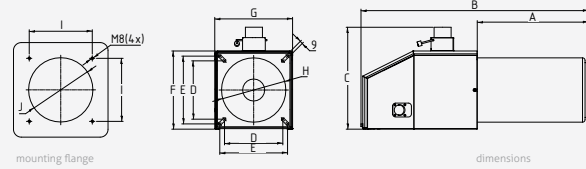


BURNER TYPE	D	A	B	C
Pellas X Mini	Ø155	215	508	125
Pellas X Mini 35	Ø173	235	529	140

Pellas X group

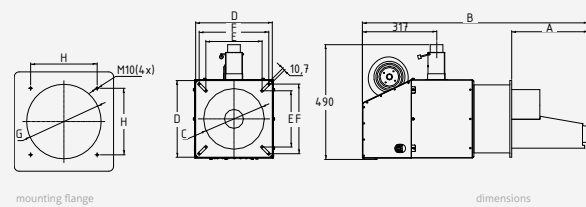


BURNER TYPE	D	A	B	C
Pellas X 44	Ø173	250	619	Ø169
Pellas X 70	Ø173	285	654	Ø169



BURNER TYPE	I	J	A	B	C	D	E	F	G	H
Pellas X 100	Ø210	Ø210	285	654	323	185	215	248	247	Ø204
Pellas X 120	Ø210	Ø210	355	724	323	185	215	248	247	Ø204
Pellas X 150	Ø227	Ø225	355	783	387	212	242	315	298	Ø219

Pellas X BIG group



TYP PALNIKA	G	H	A	B	C	D	E	F
Pellas X 190	Ø260	268	339	963	Ø250	327	240	297
Pellas X 260	Ø270	268	356	1022	Ø260	327	240	297
Pellas X 350	Ø310	287	356	1057	Ø300	357	259	316

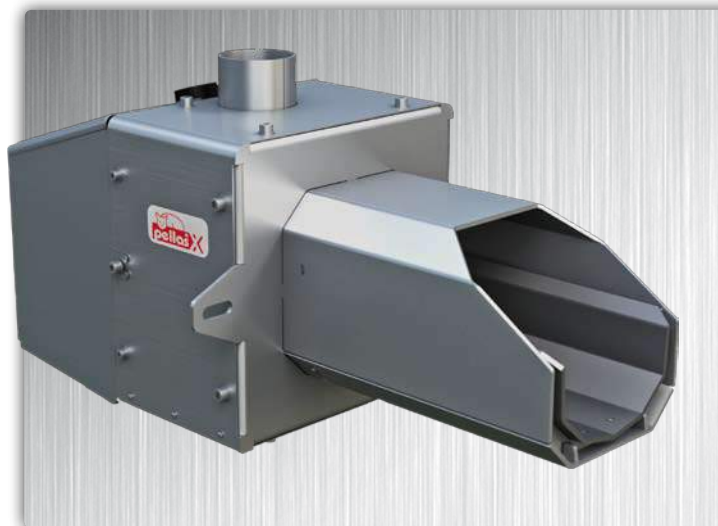
X - LINE BURNERS

Pellas X Mini

→ POWER OUTPUT FROM 5 TO 26 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X Mini
Power output:	5 - 26 kW
Current:	230 V AC / 50 Hz
Average power consumption:	60 W
Weight:	11 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 96 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X Mini 35

→ POWER OUTPUT FROM 8 TO 35 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X Mini 35
Power output:	8 - 35 kW
Current:	230 V AC / 50 Hz
Average power consumption:	60 W
Weight:	15 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 96 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

The set includes:

- Pellas X burner
- Galvanised feeder Pellas X
- Pellas X R-controller

The Producer reserves the right to change the technical parameters.

→ www.pellax.eu

Pellas X 44

→ POWER OUTPUT FROM 10 TO 44 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 44
Power output:	10 - 44 kW
Current:	230 V AC / 50 Hz
Average power consumption:	60 W
Weight:	19 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X 70

→ POWER OUTPUT FROM 15 TO 70 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 70
Power output:	15 - 70 kW
Current:	230 V AC / 50 Hz
Average power consumption:	75 W
Weight:	20 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

- Pellas X burner
- Galvanised feeder Pellas X
- Pellas X R-controller

X - LINE BURNERS

Pellas X 100

→ POWER OUTPUT FROM 30 TO 100 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 100
Power output:	30 - 100 kW
Current:	230 V AC / 50 Hz
Average power consumption:	75 W
Weight:	25 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X 120

→ POWER OUTPUT FROM 40 TO 120 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 120
Power output:	40 - 120 kW
Current:	230 V AC / 50 Hz
Average power consumption:	75 W
Weight:	27 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

The set includes:

- Pellas X burner
- Galvanised feeder Pellas X
- Pellas X R-controller

The Producer reserves the right to change the technical parameters.

→ www.pellax.eu

Pellas X 150

→ POWER OUTPUT FROM 50 TO 150 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 150
Power output:	50 - 150 kW
Current:	230 V AC / 50 Hz
Average power consumption:	75 W
Weight:	30 kg
Length of feeder:	2 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X 190

→ POWER OUTPUT FROM 65 TO 190 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 190
Power output:	65 - 190 kW
Current:	230 V AC / 50 Hz
Average power consumption:	120 W
Weight:	30 kg
Length of feeder:	3 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

- Pellas X burner
- Galvanised feeder Pellas X
- Pellas X R-controller

X - LINE BURNERS

Pellas X 260

→ POWER OUTPUT FROM 80 TO 260 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

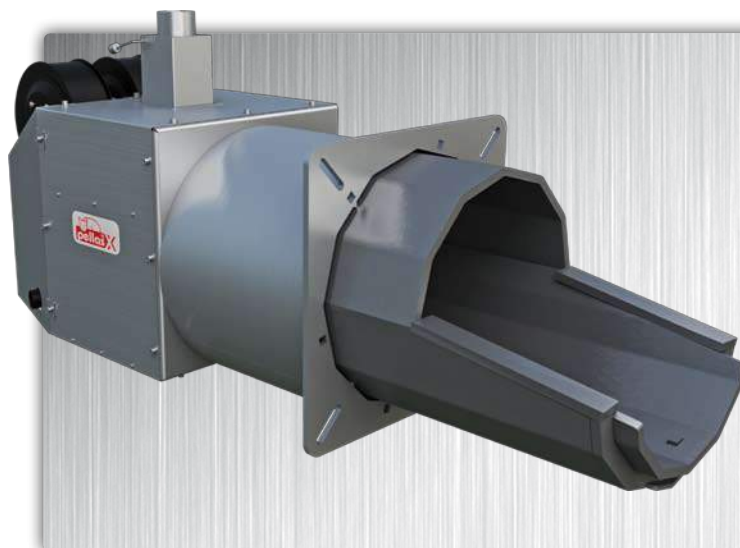
Type:	Pellas X 260
Power output:	80 - 260 kW
Current:	230 V AC / 50 Hz
Average power consumption:	120 W
Weight:	32 kg
Length of feeder:	3 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X 350

→ POWER OUTPUT FROM 100 TO 350 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 350
Power output:	100 - 350 kW
Current:	230 V AC / 50 Hz
Average power consumption:	150 W
Weight:	39 kg
Length of feeder:	3 m
Fuels:	pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

The set includes:

- Pellas X burner
- Galvanised feeder Pellas X
- Pellas X R-controller

The Producer reserves the right to change the technical parameters.

→ www.pellax.eu

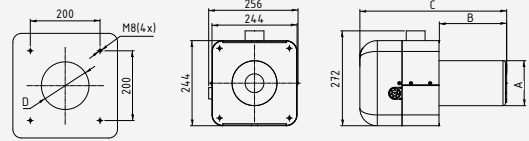
→ **REVO - LINE**

Revo - Line are innovative products on the global market. Their breakthrough technology is about highly advanced rotating combustion chamber. Apart from high burning efficiency, reaching up to 99%, this unique solution of so called rotary burner ensures permanent self - cleaning from dust collecting in the process of combustion. In the Revo - Line we implemented the system of fast firing - up. Similarly to X - Line, firing - up, cleaning, flame control and start after voltage loss are done automatically. Fuels which can be used are: agri - pellet, wooden pellet of low quality, pits and oat.

 auto AUTOMATIC CLEANING	 <60W LOW CONSUMPTION of ELECTRICITY	 POWER 3-STEPS POWER MODULATION	 CO/CO₂ LOW EMISSION of CO and CO ₂
 EFFICIENCY	 LAMBDA SOND	 15270:2008 5th CLASS 15270:2008 5th CLASS	 PELLET HYBRID DRIVE PELLET HYBRID DRIVE
 AGRO PELLET AGROPELLET	 REVO	 FUZZY LOGIC FUZZY LOGIC	 FAST FIRING-UP
 NO BACKFIRE	 REMOVABLE FURNACE	 auto AUTOMATIC FIRING-UP	 ALARM
 SUMMER / WINTER MODE	 BARRIER with COUNTERWEIGHT	 DISTANCING	 QUIET OPERATION
 CH + HUW	 TOUCH SCREEN	 SERVICE via the INTERNET	 GSM SERVICE
 FUEL AMOUNT CONTROL	 3 years 3 YEARS GUARANTEE	 STATISTICS	

REVO

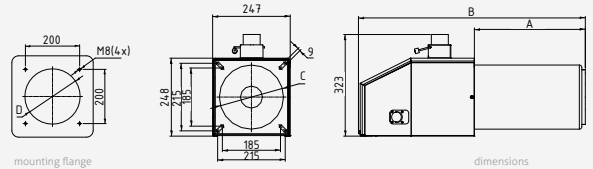
Pellas X Mini REVO group



dimensions

BURNER TYPE	D	A	B	C
Pellas X Mini REVO	Ø135	Ø129	193	421
Pellas X Mini 35 REVO	Ø145	Ø140	215	441

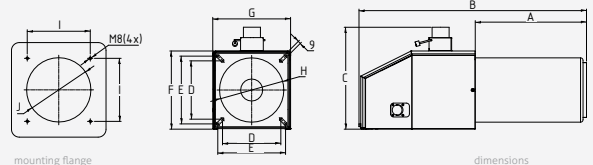
Pellas X REVO group



mounting flange

dimensions

BURNER TYPE	D	A	B	C
Pellas X 44 REVO	Ø173	250	619	Ø169
Pellas X 70 REVO	Ø173	285	654	Ø169



mounting flange

dimensions

BURNER TYPE	I	J	A	B	C	D	E	F	G	H
Pellas X 100 REVO	Ø210	Ø210	285	654	323	185	215	248	247	Ø204
Pellas X 120 REVO	Ø210	Ø210	355	724	323	185	215	248	247	Ø204
Pellas X 150 REVO	Ø227	Ø225	355	783	387	212	242	315	298	Ø219



REVO - LINE BURNERS

PELLAS X Mini REVO

→ POWER OUTPUT FROM 5 TO 26 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

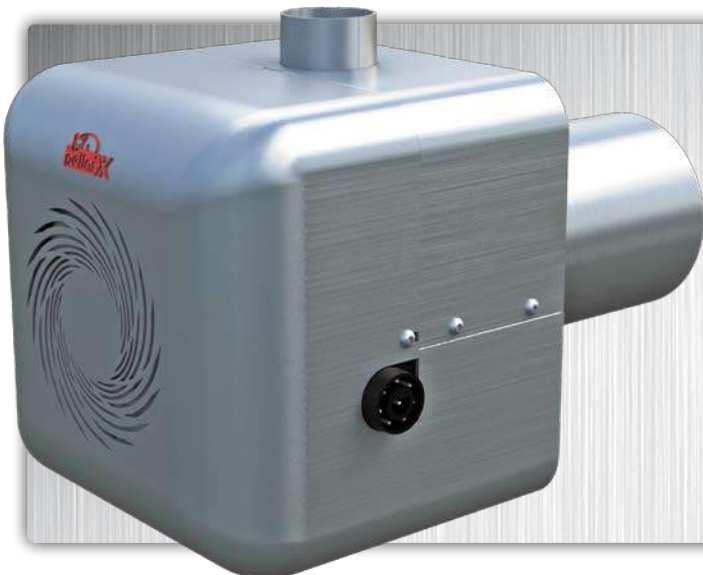
Type:	Pellas X Mini REVO
Power output:	5 - 26 kW
Current:	230 V AC / 50 Hz
Average power consumption:	50 W
Weight:	10 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 96 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

PELLAS X Mini 35 REVO

→ POWER OUTPUT FROM 8 TO 35 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X Mini 35 REVO
Power output:	8 - 35 kW
Current:	230 V AC / 50 Hz
Average power consumption:	50 W
Weight:	14 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 96 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

The set includes:

- Pellas X REVO burner
- Galvanised feeder Pellas X
- Pellas X R-controller

The Producer reserves the right to change the technical parameters.

→ www.pellax.eu

Pellas X 44 REVO

→ POWER OUTPUT FROM 10 TO 44 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 44 REVO
Power output:	10 - 44 kW
Current:	230 V AC / 50 Hz
Average power consumption:	70 W
Weight:	21 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

Pellas X 70 REVO

→ POWER OUTPUT FROM 15 TO 70 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



→ TECHNICAL DATA

Type:	Pellas X 70 REVO
Power output:	15 - 70 kW
Current:	230 V AC / 50 Hz
Average power consumption:	85 W
Weight:	22 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

- Pellas X REVO burner
- Galvanised feeder Pellas X
- Pellas X R-controller

REVO - LINE BURNERS

PELLAS X 100 REVO

→ POWER OUTPUT FROM 30 TO 100 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



Type:	Pellas X 100 REVO
Power output:	30 - 100 kW
Current:	230 V AC / 50 Hz
Average power consumption:	85 W
Weight:	27 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

PELLAS X 120 REVO

→ POWER OUTPUT FROM 40 TO 120 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



Type:	Pellas X 120 REVO
Power output:	40 - 120 kW
Current:	230 V AC / 50 Hz
Average power consumption:	85 W
Weight:	29 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

PELLAS X 150 REVO

→ POWER OUTPUT FROM 50 TO 150 kW

→ 3 YEARS GUARANTEE

→ NEW GENERATION



Type:	Pellas X 150 REVO
Power output:	50 - 150 kW
Current:	230 V AC / 50 Hz
Average power consumption:	85 W
Weight:	32 kg
Length of feeder:	2 m
Fuels:	agropellet, pellet 6 - 8 mm, oat, dry pits
Burning efficiency:	up to 99 %
Efficiency in boiler:	up to 96 %
Power regulation:	YES
Lambda sond:	YES (optionally)
CH pump service:	YES
HUW pump service:	YES
Room temperature sensor:	YES (optionally)
Weather automatics:	YES (optionally)

The set includes:

- Pellas X REVO burner
- Galvanised feeder Pellas X
- Pellas X R-controller

The Producer reserves the right to change the technical parameters.

→ www.pellax.eu

PELLAS X R.CONTROLTOUCH



Pellas X EcoSterTOUCH room panel



- **Large, touch-pad, colourful screen** – allowing for very intuitive operation
- **Two versions of menu** – simple and advanced one (service). During day-to-day operation, operation is possible via simple menu
- **Info button** – the controller is equipped with intelligent help function. Each parameter is described, the description is displayed by pressing the info button
- **Modular construction of the controller** – extension of controlling system is possible – the controller can supervise over 3 additional pumps (boiler, HUW and mixer pump) and 4 heating circuits with servomotors of mixers
- **Control over all available circuits** – possibility of connection the outer temperature sensor and operation with weather automatics in various configurations
- **Stepless regulation of burner's fan operation** – allows for ideal adjustment of air amount in relation to amount of fuel, it influences the economics of combustion parameters
- **Remote service over the controller** – the user can regulate the settings from own bedroom or any other room in which the ecoSTER TOUCH thermostat with a graphic screen is installed
- **Control over temperature of fumes** – allows to monitor the contamination of heat exchanger
- **Constant read** – out of flame brightness – control over burner operation
- **Possibility of connecting a broadband LAMBDA probe** – control over air amount which is delivered in the process of combustion, results in better fuel efficiency
- **Information about the amount of fuel in the fuel hopper** – in case of lack of fuel – graphic and sound information is announced
- **Sound signal of alarms** – in-built loudspeaker announces an alarm situation in the boiler – to increase the safety of operation
- **History of alarms and errors** – the controller stores the history of last errors and alarms, together with their description, date of appearance and date of their confirmation
- **Clock with a calendar** – clock allows for programming a week's cycle of required room temperatures and hot utility water
- **Statistics** – the controller stores in its memory the statistical data about operation of the system, it allows for monitoring the operation and reducing the fuel consumption. For example by observing boiler's temperature or fuel feeder operation time
- **Factory settings restoration** – function allows for restoration of factory settings in the controller
- **Compatible with automatics of oil and gas boiler** – firing – up, flame sustaining after reaching the preset temperature and fuel feeding is done automatically
- **Possibility of connecting a chimney fan**

CONTROLLERS

PELLAS X R.CONTROL



- ➔ Graphical display
- ➔ Two versions of menu
- ➔ Info button
- ➔ Modular construction of the controller
- ➔ Control over all available circuits
- ➔ Stepless regulation of burner's fan operation
- ➔ Remote service over the controller
- ➔ Control over temperature of fumes
- ➔ Constant read-out of flame brightness
- ➔ Possibility of connection a broadband LAMBDA probe
- ➔ Information about fuel amount in the hopper
- ➔ Sound signal of alarms
- ➔ History of alarms and errors
- ➔ Clock with a callendar
- ➔ Statistics
- ➔ Factory settings restoration
- ➔ Compatible with automatics of oil and gas boiler
- ➔ Possibility of connecting a chimney fan



Pellas X EcoSter room panel



Pellas X EcoNET



PELLAS X EcoNET

Is an advanced communication module which allows for remote control of boiler operation using a computer via the internet. The user has possibility to control over following parameters:

- ➔ temperature control
- ➔ operation of pumps and mixers
- ➔ overview of controller's operational modes

Significant advantage to the user is also a clear visualization of boiler's operation history in graphical shape.

ADVANCED FUNCTIONS:

- ➔ possibility of remote control over boiler parameters via the internet
- ➔ intuitive computer program for ecoNET module service
- ➔ registration of key parameters in controller's operation



PELLAS X CONTROL



- ➔ Graphical display
- ➔ Large types and icons
- ➔ Two versions of menu
- ➔ Info button
- ➔ Modular construction of the controller
- ➔ Efficient, modern 32-bit ARM processor
- ➔ History of alarms and errors
- ➔ Clock with a calendar
- ➔ Statistics
- ➔ Sound signal of alarms
- ➔ Factory settings restoration

VIDE GSM

VIDE GSM communication module is a multifunction device which objective is to meet three main criteria:

Communication with X Control line controllers through SMS.

You can read out or change heating controller parameters in a simple way from any place using a mobile phone.

Remote operation with X Control line controllers.

By connecting the CAN bus, vide GSM module can monitor the operation of boilers and change the settings from anywhere in the house.

Autonomic work.

The module is equipped with two temperature sensor sockets and two sockets for contact input and output. User-friendly configuration panel allows you to set SMS notifications about important changes in the operation of sensors, such as:

- ➔ exceeding permissible range of room temperature
- ➔ alarm when the input contact is closed or opened, used to notify you about the opening/shutting of doors, gates, garages

Contact output (binary), allows a remote switching on/switching off of any electrical equipment. You can also read out updated parameters of module as well as make changes in settings using a mobile phone. The SIM card, which can be purchased from any mobile network operator, is responsible for making GSM connections.



Wireless room thermostat X.Control CTP-02R



FUEL HOPPERS

FUEL HOPPERS PELLAS X



Fuel hoppers produced by **Pellas X** are made of galvanised steel, with adjustable, movable funnel allowing for regulation of feeder's angle. They are constructed for storing pellet, oat and pits.

The hopper has top hatch and two bolts allowing for cleaning the funnel of the hopper from sawdust. High durability of material, resistance to weight, tightness of construction, big slide in the funnel and ease of clean – keeping are strengths of hoppers made of steel. It is particularly important for pellet stored in moist rooms.

Steel construction protects against sparks, which allows for storing such a hopper in close distance to boiler.

There are three hoppers available in our offer:

- ➔ **300l** (62,5 x 62,5 x 143)
- ➔ **600l** (84,5 x 84,5 x 161,5)
- ➔ **1200l** (113 x 113 x 183,5)

The extension of 150l is also available (62,5 x 62,5 x 39,5) to the 300l container.

Our fuel hoppers are adjusted for easy and fast assembly and dismantling and it is compatible with Pellas X feeder. Fuel hopper with 300l capacity during heating season, by average fuel consumption should allow for 7 days* of burner operation*.

The fuel hopper is foldable and easy for transport, when dismantled it may be put inside a boot of a car. Charge on top and feeder at the bottom allow for gradual extension of a hopper when needed.

Feeder

The **feeder** is an integral part of the burner. It is designed for transporting pellets type materials granulated between 6 – 8 mm, including oat and pits. An auger goes through entire length of the feeder. It carries pellets from fuel hopper, then it feeds pellets in cycles accordingly to instructions from the controller to **Pellas X** burner. Such construction of the feeder significantly increases possibilities of locating the boiler and fuel hopper in a room, which is a perfect solution for modernized boiler rooms, where often boiler needs to be adjusted to the room.

- ➔ Highly efficient
- ➔ Made of galvanised steel – highly resistant to corrosion
- ➔ Energy saving – only 25W of consumed power
- ➔ Angle of operation from 0° to 60°
- ➔ Standard length 2 or 3 meters depending on a type of burner, it is possible to extend it against order to adjust it to the size of a boiler room and fuel hopper even to 10 meters



* for average size household



→ www.pellasx.eu



PRODUCER

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