



EKOGRÉN

Pioneers of heating with biomasses



„Greń” company was established in 1990 by the founder: Bolesław Greń, for whom the main goal since the founding of the Company was the quality of products and meeting the clients’ expectations.

By observing European tendencies and getting ahead of current market trends in Poland, at the end of 1990s, Greń Company started to realize a mission to make the most automatic boilers on the market. Many years of experience of foreign companies showed that for the end user the most important is comfort and automation. Greń metal workshop are based on the solutions of our own engineers and innovative ideas, to which affordable price is added and this way a series of boilers is created: EKOGREŃ, which became very successful among clients looking for good price.

The leading field of the company is making central heating boilers that meet all electrical and ecological criteria that all low power heating devices fueled by solid fuels must meet and are awarded with numerous quality certificates.

Currently the company is producing mainly boilers fueled by biomass, successfully burning wood chippings, sawdust, shavings, briquette, wood pallets, grass pellets, various types and qualities of agro fuels, straws, wheat, pieces of wood but also multi-fuel boilers and coal.

Wide variety of available power ranges - from 10 to 600kW, innovative technological solutions, individual approach to every customer and qualified staff put our company in the lead among central European producers which is proven by a number of happy customers from Western and Southern Europe, countries that were once part of former Soviet Union and Scandinavia.

The company sells the products through a network of distributors in Poland and also has recipients in more than 22 countries in Europe. EKOGREN boilers are distinguished not only by quality of components but also by simple, modern design.

HIGH QUALITY COMPONENTS

that distinguish **EKOGRÉN** series of devices

1. The lambda probe - it performs a function of an oxygen sensor (O_2) in the exhaust gasses, providing constant diagnostic information to controller which optimizes the operation of the boiler by increasing or decreasing the amount of oxygen during the combustion. Thanks to the probe, the device works in the optimal conditions and greatly reduces the fuel consumption.



2. Cleaning system

Manual - it provides access to clean the smoke tubes in the exchanger of the boiler, by moving the lever of the cleaning mechanism, which is mounted in the front part of the boiler. By moving the lever it causes the movement of vortex generator (a spring of special construction) inside of the smoke tube and therefore cleaning it from soot and dust. The vortex generator function also causes the turbulent flow of the exhaust therefore slowing it down, so that the boiler achieves much better efficiency rating.



Automatic - it allows for the cleaning of the smoke tubes by starting the electric drive of the cleaning system. Driving the cleaning system causes the movement of vortex generator (a spring of special construction) inside the smoke tube and therefore cleaning it from soot and dust. The vortex generator function also causes the turbulent flow of the exhaust therefore slowing it down, so that the boiler achieves much better efficiency rating.



3. Igniter - device that starts the ignition of the fuel that is in the combustion chamber, by heating it with for a period of time with hot air.



4. Exhaust fan with turbine - it provides the air necessary for combustion process by sucking it through the heat exchanger from the room that the boiler is installed in. In addition, its construction enhances the chimney draught, prevents the smoke from going back to the boiler room during ignition or adding fuel and in comparison to inverter its rotation speed (and thus the suction) can be smoothly controlled which impacts the efficiency of the whole exhaust system.



5. Ceramic combustion chamber - the special construction of the combustion chamber which is made of stainless steel alloys that have very high resistance to high temperatures and ceramics which composition is registered by the producer. It is characterized by high long lasting and durability. Thanks to its construction and properties of heat accumulation it allows for trouble-free and complete burning of biomass fuel that is used.



6. Automatic ash removal - the function of cyclic removal of cinder or ash created during the combustion process, from the combustion chamber to external ashpan. Thanks to this solution the comfort and automation has been greatly increased.



7. Weather controls - it adjusts the operation of the device and heating circulation according to the outside temperature thanks to the readouts from the external sensor. The controller analyses changes of the temperature outside and according to special algorithms adjusts the temperature of boiler and calculated temperature of heat circulation.

8. Rotary valve - feeder that provides strictly calculated amount of fuel from the container to the feeding tube. Furthermore, the rotary valve protects container from flame.





The designing engineers in GREN Company created a heating device, designed and finished according to latest world standards. The boiler in its compact and modern casing includes the characteristics of a top quality device, with ease of use, trouble-free operation, low fuel consumption and high quality of components will satisfy every demanding customer.

5

5 YEAR WARRANTY*



ENERGY-SAVING



ECOLOGICAL



EASY TO USE

CO₂CO₂ EMISSION = 0

* for the robustness of the exchanger and the welding joints

The EG-Pellet boiler is designed to heat modern passive houses as well as single and multi-family houses and small farms. It works with every modern low-temperature installation. The operation of the boiler does not interfere with peace of the household and it's maintenance is reduced to the bare minimum, thus giving the user feel of comfort and uninterrupted heat supply for all residents.

DETAILS:

- Modern design
- Safety and low operation cost
- High quality components
- Very high efficiency of the device that's based on a proven heat exchanger construction
- Lambda probe that optimizes the combustion process
- Burner made of special heat-resistant steel
- Innovative automatic cleaning system

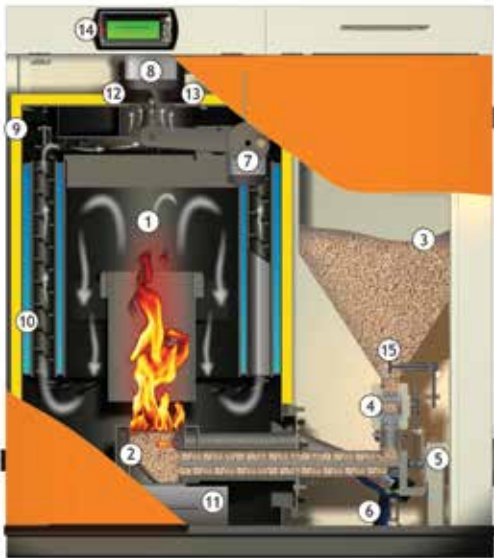


TECHNICAL SPECIFICATION

PARAMETER	EG - 10	EG - 10 P*	EG - 15	EG - 15 P*	EG - 25	EG - 25 P*	EG - 40	EG - 40 P*	EG - 60	EG - 60 P*
Power [kW]	10	10	15	25	25	25	40	40	60	60
Weight [kg]	320	335	320	335	320	340	375	400	420	460
Water capacity [dm ³]	72	72	64	64	64	64	74	74	91	91
Return diameter [D - mm]	40	40	40	40	40	40	40	40	40	40
Exhaust diameter [Kz - mm]	153	153	153	153	153	153	153	153	180	180
Width [A - mm]	1155	1460	1155	1460	1155	1460	1155	1460	1155	1460
Height [B - mm]	1275	1360	1275	1360	1275	1360	1375	1385	1375	1485
Depth [C - mm]	865	865	865	865	865	865	865	865	865	865
Internal diameter of the chimney [Kw - mm]	146	146	146	146	146	146	146	146	174	174
Exhaust temp. during minimal operation [C]	90	90	90	90	90	90	90	90	90	90
Exhaust temp. during nominal operation [C]	120	120	120	120	120	120	120	120	120	120
Tank capacity [dm ³]	169	320	169	320	169	320	196	320	223	350
Working pressure [bar]	2	2	2	2	2	2	2	2	2	2
Chimney draught [mbar]	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Fuel					PELLET					
Fuel consumption [kg/h]	2,2	2,2	3,2	3,2	5,4	5,4	8,6	8,6	13	13
Efficiency [%]	90-95	90-95	90-95	90-95	90-95	90-95	90-95	90-95	90-95	90-95
Water connectors	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4	M 1 1/4

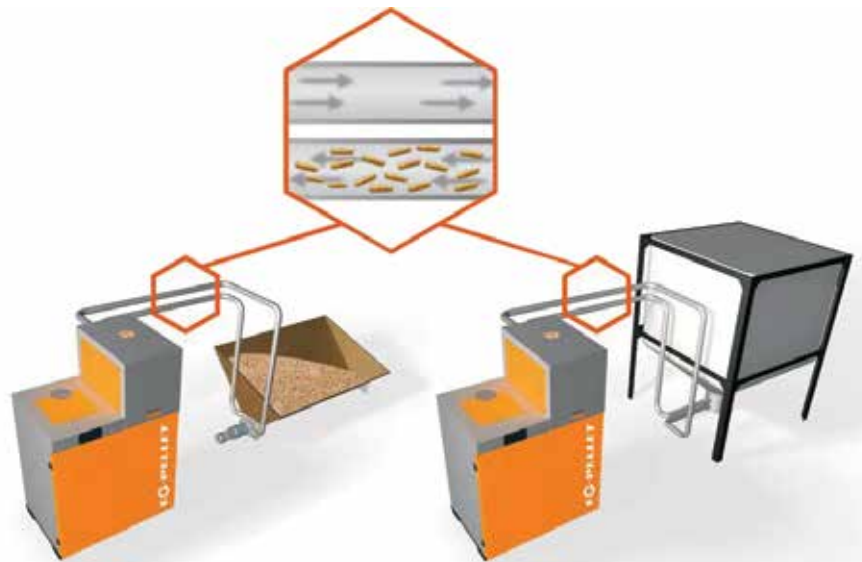
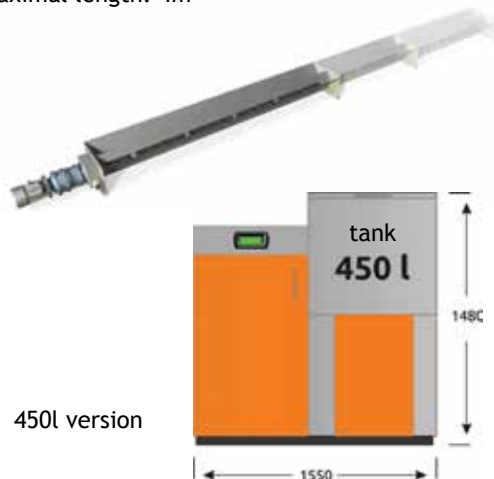
* EG-10P, EG-15P, EG-25P, EG-40P, EG-60P - bigger fuel tank capacity 320l

Producer reserves the right to make changes in the production technology without the need to inform the recipient.



1. Combustion chamber
2. Burner
3. Fuel tank
4. Rotating hatch
5. Moto reducer of the feeder
6. Ignition mechanism
7. Heat exchanger cleaning system drive
8. Extraction fan with turbine
9. Isolation
10. Heat exchanger
11. Ashpan
12. Lambda probe
13. Exhaust gas temperature sensor
14. Control panel
15. Fan for mixing the fuel in tank

Possibility to fit a correct length of feeder to best utilize the existing boiler room space.
 Minimal length: 1m
 Maximal length: 4m



For more advanced solutions it is possible to use additional screw-type feeder mounted on the bottom of the silo („B” type). It allows for even fuel supply to the feeding system and even emptying of the silo.

For demanding clients it is possible to utilize pneumatic feeding system from additional tank. For tanks up to 1m³ we suggest “A” type solution that includes a pneumatic system with control, necessary hoses and sucking probe mounted underneath the additional tank.



PELLET



WOOD
CHIPPINGS



SAWDUST



WHEAT



SHAVINGS



FRUIT
KERNELS



NUTS

Dedicated for effective burning of biomass, multi-fuel EG-MULTIFUEL contains solutions of best devices that are available among boilers. The burning of biomass has never been so easy! The device is designed in a way to ease and limit the operation and maintenance to necessary minimum.

5

5 YEAR WARRANTY*



ENERGY-SAVING



ECOLOGICAL



EASY TO USE

MULTI
FUEL

MULTI-FUEL



AUTOMATIC ASH
REMOVAL SYSTEM

* for the robustness of the exchanger
and the welding joints



Ability of using multiple types of fuel as well as many other solutions to feed and store the fuel ensure that EG-MULTIFUEL boiler proves itself in all working conditions.

The optimal burning process - regulated by an advanced controller - ensures a synchronic fuel feed to the combustion chamber and in the meantime removal of ash that has been created during the combustion process. Thanks to this solution it is possible to use a fuel of high volume and lower calorific value. The installed ceramic high diameter combustor as well as innovative solutions inside the heat exchanger enable to effectively burn any types of biomass used by the customer



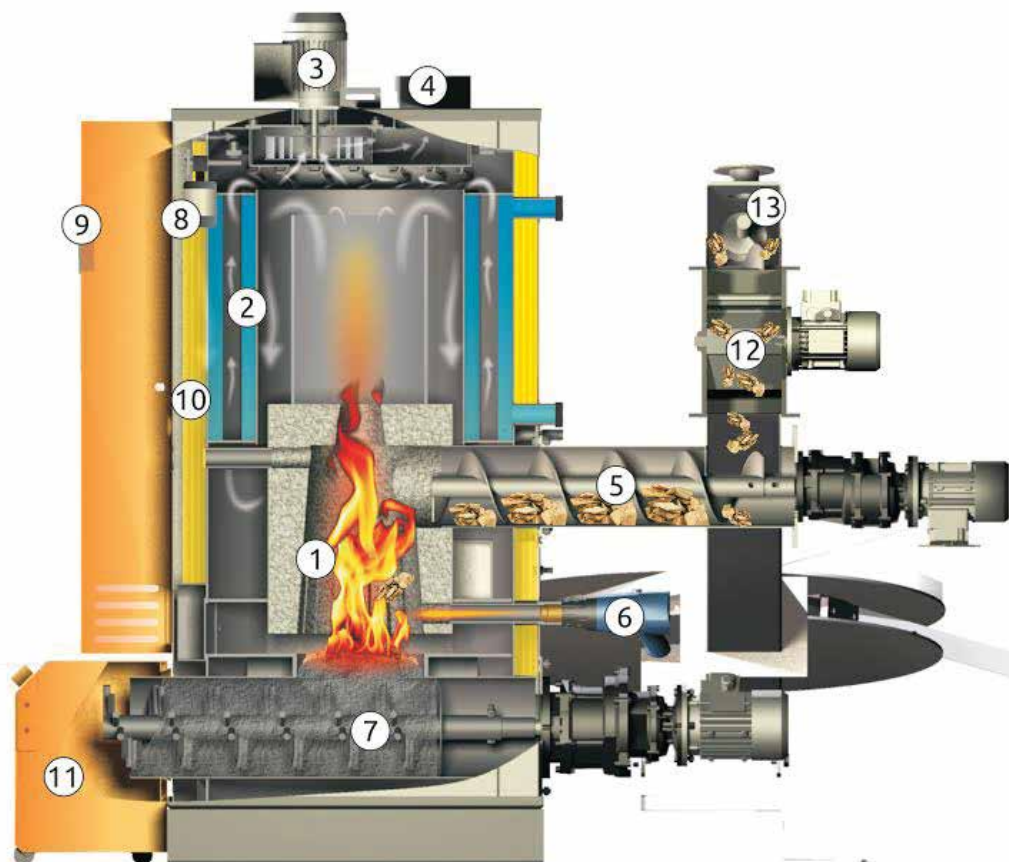
PARAMETER

Power [kw]	20-30	40	60	80	100	150	200
Width [mm]	738	738	738	938	938	1200	1200
Depth [mm]	2060	2060	2060	2260	2260	2530	2530
Height [mm]	1582	1682	1792	1830	1830	2260	2260
Diameter of the chimney [mm]	153	153	180	200	200	250	250
Connectors [in]	5/4"	5/4"	5/4"	3/2"	3/2"	2"	2"
Weight [kg]	350	395	450	700	700	1220	1390
Water volume [l]	64	74	91	140	140	240	190
Exhaust temperature [C]	100-140	100-140	100-140	100-140	100-140	100-140	100-140
Power supply [V]	230/400	230/400	230/400	230/400	230/400	230/400	230/400
Pressure [MPa]	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Test pressure [MPa]	0,5	0,5	0,5	0,5	0,5	0,5	0,5

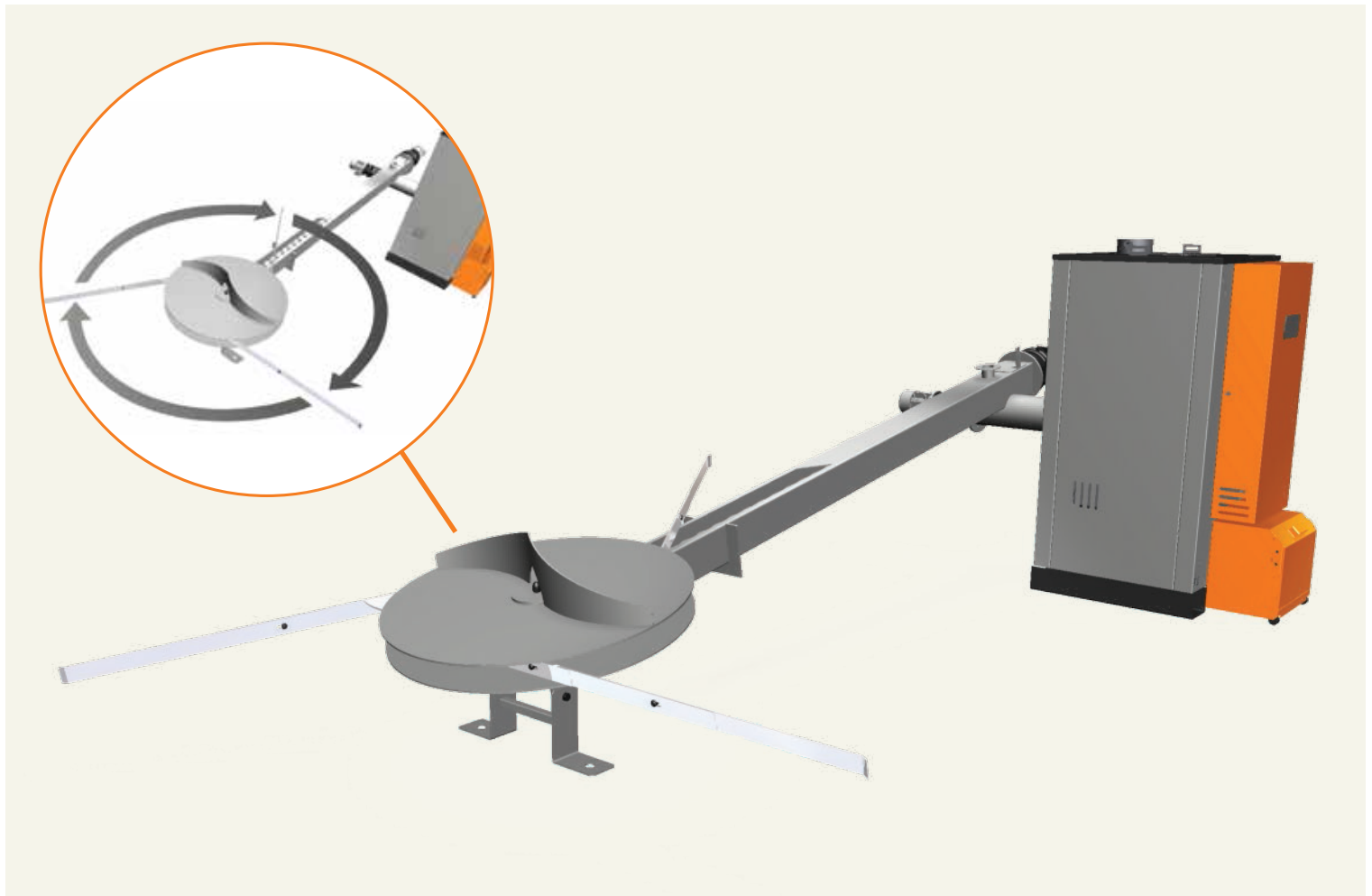
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DETAILS:

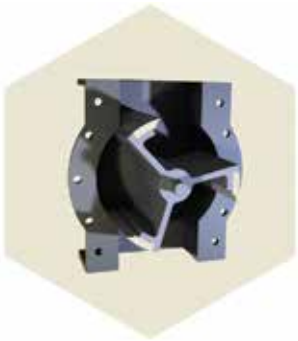
- Modern design
- Safety and low operation cost
- High quality components
- Very high efficiency of the device that's based on a proven heat exchanger construction
- Lambda probe that optimizes the combustion process
- Burner made of special heat-resistant steel
- Innovative automatic cleaning system



1. Ceramic burner 2. Heat exchanger 3. Extraction turbine 4. Chimney 5. Screw-type fuel feeder
 6. Ignitor 7. De-ashing mechanism 8. Automatic cleaning mechanism 9. Controller 10. Isolation
 11. Ash pan 12. Hatch 13. Fuel feeder



Special construction of combustion chamber, built from stainless steel alloys that has great thermal resistance and from ceramics consisting of a chemical formula that's registered by the producer. It is characterized by high longevity and durability. Thanks to the structure and properties of accumulating the heat it allows for trouble-free and complete combustion of biomass used by the customer.



Rotary valve - feeder that provides strictly calculated amount of fuel from the container to the feeding tube. Furthermore, the rotary valve protects container from flame.

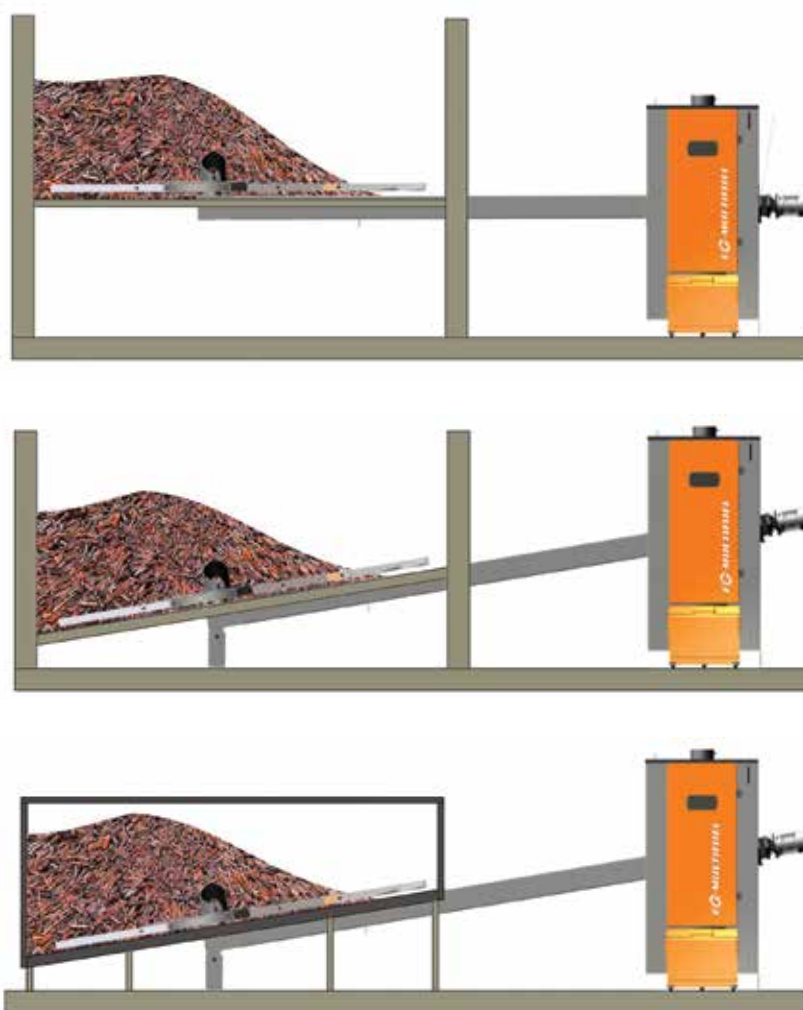


Automatic de-ash - a cyclic function that removes cinder or ash that has been created during the burning process from the combustion chamber to external Ashpan. Thanks to this solution the comfort and automation has been greatly increased.

TECHNICAL SPECIFICATION

PARAMETER					
Power [kw]	250	300	400	500	600
Width [mm]	1200	1620	1620	1620	1620
Depth [mm]	2830	3250	3250	3250	3250
Height [mm]	2260	2930	2930	3280	3280
Diameter of the chimney [mm]	250	345	345	398	398
Connectors [in]	2"	DN 100	DN 100	DN 125	DN 125
Exhaust temperature [C]	100-140	100-140	100-140	100-140	100-140
Power supply [V]	230/400	230/400	230/400	230/400	230/400
Pressure [MPa]	0,2	0,2	0,2	0,2	0,2
Test pressure [MPa]	0,5	0,5	0,5	0,5	0,5

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EG-MULTIFUEL unit have several systems of fuel supply, depending on the type of fuel, granulometry and type of feeding and storage.

It is possible to use a feeder 3-6m long, with maximum diameter of fuel fan of 4.4meter! The main feeding system can be mounted in 75, 90 or 105 degrees in relation to the boiler from right or left side of the boiler.

The system to move the fuel from the silo can be built-up inside the silo or as a free standing not built-up. All solutions depend on the customer needs and the layout of boiler room as well as adjoining rooms and all give great flexibility to adapt the whole system.



EG-HOLZ is a device that fully utilizes the principle of wood pyrolysis, that consists on the fact that during burning of wood in high temperature wood gas is being produced that afterwards is being transferred - by extraction fan current - to gasification chamber. Using this method allows for efficient use of whole energy stored in seasoned timber.



2

2 YEAR WARRANTY



ENERGY-SAVING



ECOLOGICAL



EASY TO USE

This boiler was created according to the best trends and solutions: it has large loading chamber with capacity between 220 up to 400 liters, that can fit large timber logs up to 80cm long; the extraction fan enables starting of the cold boiler and make it possible for correct burning process but also power regulation of the device; gasification chamber is constructed of high class concrete, which enabled us to achieve optimal combustion parameters; included as standard equipment cleaning mechanism of exchanger tubes allows for easy cleaning.

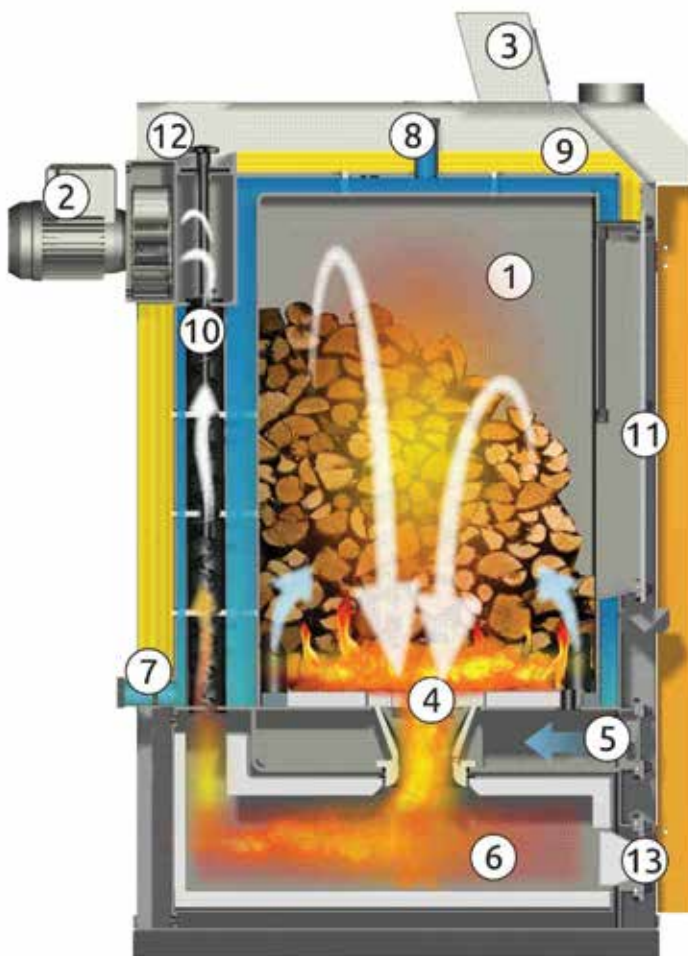
The whole boiler along with buffer can provide up to 72 hours of continuous burning!



TECHNICAL SPECIFICATION

PARAMETER	EG-HOLZ 25	EG-HOLZ 50
Power of the boiler [kW]	25-30	50
Boiler efficiency [%]	90%	90%
Boiler height [mm]	1540	1650
Boiler width [mm]	730	850
Boiler depth [mm]	1200	1300
Exhaust duct diameter [mm]	150	180
Loading chamber volume [dm ³]	220	360
Loading chamber capacity [kg]	80	130
Water capacity [l]	120	134
Threaded joints [in]	5/4"	5/4"
Weight of the boiler [kg]	500	690
Maximum timber logs length [cm]	50	70
Maximum operating time on a single load [h]	72	72
Required exhaust current [Pa]	15-20	15-20
Minimal chimney height [m]	5	5
Required chimney cross-section [cm ²]	250	400
Acceptable working temperature [°C]	84	84
Maximal working pressure [MPa]	0,2	0,2
Test pressure [bar]	5	5
Power supply [V]	230	230

Producer reserves the right to make changes in the production technology without the need to inform the recipient.



DETAILS:

- Energy saving
- Ecological
- Easy to use
- Burner made of special heat resistant steel
- Innovative cleaning system
- 2 years warranty
- Extended operating time

1. Gasification chamber
2. Exhaust extractor turbine
3. Controller
4. Cast iron burner
5. Air intake to combustion chamber
6. Combustion chamber
7. Water inlet joint
8. Water outlet joint
9. Isolation
10. Heat exchanger with furnace flue
11. Loading door
12. Manual cleaning system
13. Ash pit door



EG-PELLET MINI is an automatic, compact boiler for wood pellet, with the burner fixed on the left or right side of the device. Thanks to the fire tube structure of the heat exchanger, the boiler has considerably higher efficiency as compared to traditional shelf exchangers. The innovative system for cleaning exchanger pipes is launched with the lever fixed in the front part of the boiler.

5

5 YEARS' WARRANTY*



ENERGY SAVING



ENVIRONMENT
FRIENDLY



EASY TO HANDLE

* for the tightness of the heat exchanger
and welded connections



The boiler makes use (depending on the version) of a ceramic grate-deflector, which not only has properties that significantly improve the parameters of exhaust emission, but also has the role of an additional, manually fed fire box, so as to enable additional burning of wooden pieces of wooden waste.

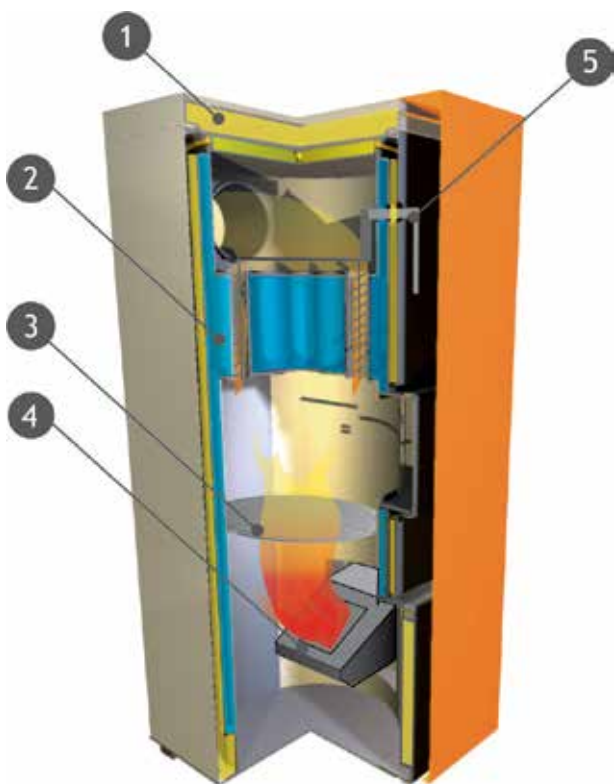
The standard set includes 1.5 metre long screw feed and a 300 litre fuel container (can take approximately 200 kg of pellet).

Compact size, easy handling and reasonable price are the features that make the EG-PELLET MINI boiler useful both in new and modernized heating installations in the country and abroad.



PARAMETER	EG-PELLET MINI 16	EG-PELLET MINI 25	EG-PELLET MINI 35	EG-PELLET MINI 50
Boiler heating power [kw]	10,5-20	10,5-30	10,5-40	15-50
Thermal efficiency [%]	>90%	>90%	>90%	>90%
Estimated heating surface [m ²]	do 200	do 300	do 400	do 600
Unitary combustion [kg/h]	-3,2	-4,3	-5,6	-8,8
Threaded joints [cal]	5/4 cal	5/4 cal	5/4 cal	6/4 cal
Water capacity [dm ³]	83	94	147	182
Height of the flue pipe axis [mm]	1150	1250	1623	1623
Exhaust outlet diameter [mm]	160	160	160	180
Exhaust temp. during nom./min. operation [°C]	160/100	160/100	160/100	200/120
Boiler width [mm]	590	590	590	790
Width with the burner [mm]	845	845	845	1045
Boiler depth [mm]	705	705	680	880
Height [mm]	1330	1430	1805	1805
Required exhaust flue [Pa]	20	20	20	20-30
Minimum chimney height [m]	8	9	9	9
Required cross-section of the chimney [cm ²]	200	200	250	250
Allowed working temperature [°C]	90	90	90	90
Minimum temperature of water return [°C]	46	46	46	46
Maximum working pressure [MPa]	0,35	0,35	0,35	0,35
Test pressure [bar]	5	5	5	5
Boiler class	4	4	4	4
Boiler weight [kg]	270	320	385	450
Fuel basket capacity - standard [l]	300	300	600	600
Power supply [V]	230	230	230	230

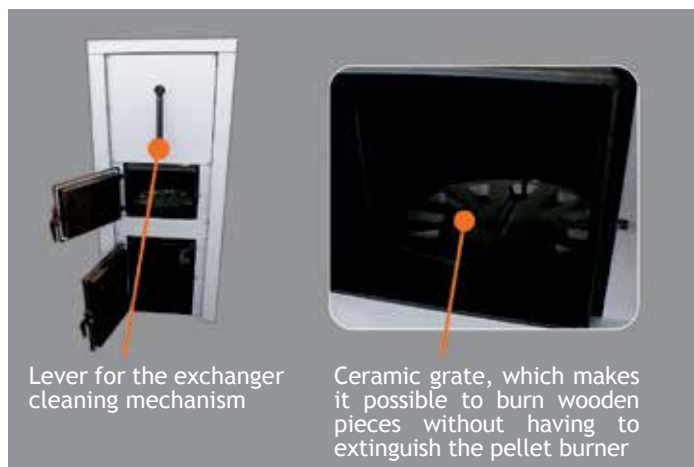
In order to improve the product and to update this folder, the manufacturer reserves the right to introduce changes without notice.



- 1. Insulation
- 2. Water jacket
- 3. Ceramic grate (deflector)
- 4. Burner
- 5. Cleaning mechanism lever

DETAILS:

- high efficiency of the device > 90%
- embedded system for cleaning heat exchanger pipes
- modern design, compact layout
- 5 years' warranty for the exchanger
- possibility of various installment - embedding on the right or left side of the device
- extra grate for burning wood and wooden waste
- intuitive steering with the possibility to expand with extra heating circuits, GSM modules and Internet



Lever for the exchanger cleaning mechanism

Ceramic grate, which makes it possible to burn wooden pieces without having to extinguish the pellet burner

EG-DUO MULTI

FUELS:



WOOD



PELLET,
AGRO-PELLET,
GRASS PELLETT,



CEREALS



FRUIT
STONES



NUTSHELLS

The EG-DUO MULTI boilers (type class 15-100 kW) are designed to burn many fuels available on the market, with the granulation up to 35mm. They are environment-friendly heating devices with exhaust emission much lower than the allowed norms. The boilers are produced in accordance with the requirements of the Pressure Equipment Directive, which is confirmed with a certificate.

5

5 YEARS' WARRANTY*



ENERGY SAVING



ENVIRONMENT
FRIENDLY



EASY TO HANDLE

MULTI
FUEL

MULTI-FUEL



INOX CASING

(boiler casing and fuel reservoir are
made of stainless steel)

* for the tightness of the heat exchanger
and welded connections



The boilers make use of an innovative burner made of acid-resistant steel, with special air exhaust hoods, which makes it possible to burn fuels such as: wooden pellet and agro-pellet, straw pellet with various diameters, sunflower shells, nutshells, cherry stones. The embedded cleaning system makes it easy to keep the heat exchanger clean, which is reflected in the high efficiency of the device. The boiler operation is regulated with a driver. A replacement grate provided as a standard makes it possible to burn solid fuels such as wooden pieces and wooden waste.



The boiler is also available in the version including a cast-iron eco-pea and fine coal burner (called EG-DUO) and is available in the power options: 18 kW, 27 kW and 38 kW.



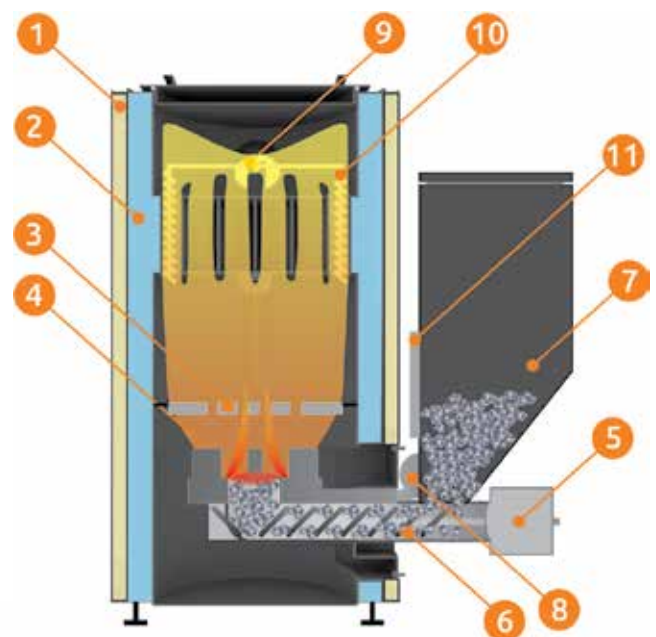
TECHNICAL PARAMETERS

NOMINAL HEATING POWER [kW]	15 (5-20)	25 (7,5-30)	50 (15-60)	75 (22,5-85)	100 (40-110)
Thermal efficiency [%]	>90				
Estimated maximal heating surface [m ²]	180	280	560	750	900
Unitary combustion [kg/h]	3,2	4,3	8,4	12,5	14,4
Drop chute capacity [dm ³]	188	188	301	301	301
Drop chute capacity [kg]	150	150	240	240	240
Threaded joints [cal]	5/4	5/4	5/4	2	DN80
Width with tank/without tank [mm]	1200/716	1200/716	1200/716	1492/915	1492/910
Depth [mm]	926	926	926	987	985
Height [mm]	1370	1370	1770	1641,50	1790
Height of the flue pipe axis [mm]	1192	1192	1592	1437	-
Exhaust outlet diameter [mm]	160	160	160	200	200
Weight of the whole boiler (without water)[kg]	310	330	350	550	750
Required exhaust flue [Pa]	20-30				20-40
Minimum chimney height [m]	5		6	8	8-9
Required cross-section of the chimney [cm ²]	250			350	
Maximum working pressure [MPa]	0,35				
Allowed working temperature [°C]	95				
Test pressure [bar]	5				
Water capacity [dm ³]	31	31	53	230	-
Exhaust temp. during nominal/min. operation [°C]	200/160	200/160	200/140	240/140	240/140
Exhaust flux [m ³ /s]	0,012	0,012	0,023	0,029	0,034
Minimum temperature of water return [°C]	45				
Power supply [V]	230				

In order to improve the product and to update this folder, the manufacturer reserves the right to introduce changes without notice.

DETAILS:

- a multi-fuel boiler for good and poorer quality fuel
- high efficiency of the boiler thanks to the fire tube structure of the heat exchanger
- aesthetic design - boiler casing and reservoir made of stainless steel
- innovative burner with an afterburning system, capable of burning many types of fuel without problems
- modern steering enables boiler adjustment to the weather
- heat exchanger cleaning mechanism keeps the boiler highly efficient
- reasonable investment expense



Innovative multi-fuel system (patented)



The boiler regulator allows for device adjustment according to the weather, steering central heating and hot water pumps (possibility to expand the steering with extra heating circuits and a GSM module)



1. Insulation and casing
2. Water jacket
3. Grate-deflector
4. Multi-fuel burner
5. High-class reduction motor
6. Fuel feeding system
7. Stainless steel fuel reservoir
8. Ventilator
9. Chimney outlet - flue pipe
10. Lever of the system for cleaning heat exchanger pipes
11. Safety reservoir - 'firefighter' type



Automatic air blowing device AIRMAX, also known as fusers are designed for users that look for modern solutions in burning solid fuels. Wide variety of applications include: production warehouse, garages, car workshops, single family houses (with heat distribution system) as well as farm buildings - pigsties, hen houses, greenhouses, drying rooms and storages.

3

3 YEAR WARRANTY



ENERGY-SAVING



EASY TO USE

MULTI
FUEL

MULTI-FUEL



INNOVATIVE ASH
REMOVAL SYSTEM



EASY INSTALLATION



AIRMAX boilers include automatic igniter and the fuel is dosed by automatic screw type feeder. The heat distribution is done by either a directional blind mounted on the front of the device - user can decide what air stream and in which direction it should point, or by means of air ducts that are positioned above the blind. After connecting "Spiro" type pipes it is possible to distribute heat across the whole building. It is also possible to control the amount of distributed heat by means of shutters.

Optionally it is possible to add extension module that extends the control by room mounted thermostat (turning the boiler on and keeping the set temperature in the building) and GSM module (switching the device on and off). Thanks to the utilization of multi-fuel burner EG-AIRMAX is a multi-application device.

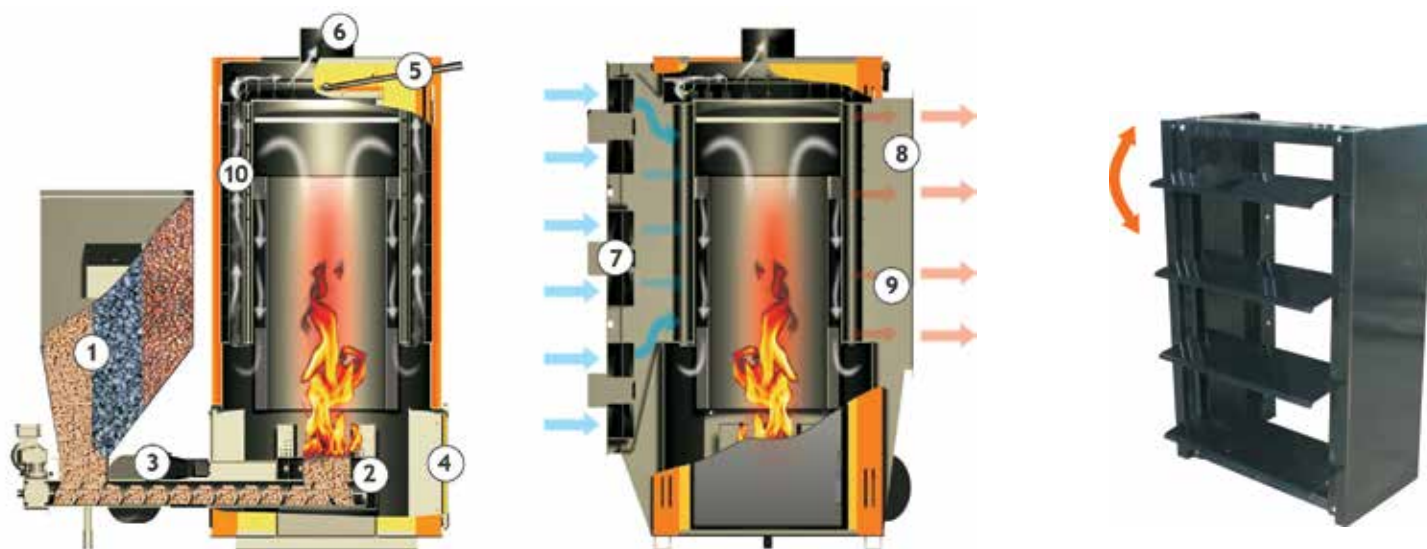


TECHNICAL SPECIFICATION

PARAMETER

Nominal heating power [kw]	25	40	60	100
Approximate heating area [m ³ /h]	3100	4800	6200	9300
Charge chamber capacity [dm ³]	188	300	300	300
Charge chamber capacity [kg]	150	300	300	300
Exhaust outlet diameter [mm]	160	160	180	200
Weight of the complete stove (without water) [kg]	272	410	440	740
Required exhaust current [Pa]		20-30		20-40
Minimal chimney height [m]	5	5	6	09-sie
Required chimney cross-section [cm ²]	250	250	350	
Acceptable working temperature [°C]	95	95	95	95
Unitary fuel consumption [kg/h]	5,6	8,9	13,4	22,4
Power supply [V]	230	230	230	230
Suggested fuel	Black coal type 32 granulation up to 35mm (Dust, EcoBriquette, briquette), pellet, agro-pellet, straw pellet (all diameters), cherry stones, sunflower husks, nutshells			
Width	1170	1170	1170	1650
Height	1155	1365	1665	1950
Depth	1150	1150	1150	1200
Flue diameter	160	160	180	200

Producer reserves the right to make changes in the production technology without the need to inform the recipient.



1. Fuel tank
2. Burner
3. Burner fan
4. Combustion chamber door
5. Air whirl mechanism
6. Chimney
7. Air intake fan
8. Hot air outlet
9. Hot air temperature sensor
10. Heat exchanger

Example of application with hot air distribution system utilizing hot air ducts



Patented multi-fuel burner, allows for burning of most popular fuels available on the market, with different calorific value, granulometry such as pellet, sunflower pellet, straw pellet, wheat, fruit kernels and nutshells.





EG-PELLET PRO is an automatic, multifunction biomass boiler, which due to compact size allows for building and installation of home boiler room has never been so easy!

5

5 YEAR WARRANTY*

A

INNOVATIVE
AUTOMATICS

SAFE IN USE

ALL

ALL IN ONE



EASY INSTALLATION

* for the robustness of the exchanger
and the welding joints

Thanks to innovative solutions the device has very wide application options by producing - apart from heat - surprising amounts of warm sanitary water. Advanced technology of the device eliminates the need to use solar buffer, buffer for fireplace with water-jacket or water heater working in pair with photovoltaic cells.

Emission of exhaust gasses to the atmosphere with exceptionally low temperature, innovative heat exchanger cleaning system and ease of use thanks to graphic automatics controlled by high-resolution touch display make the use limits to occasional removal of ash from ashpan and refilling of the fuel tank.

Truly necessary unit. Mandatory in every modern boiler-house.



TECHNICAL SPECIFICATION

PARAMETER

Power [kW]	25
Central heating connectors	3/4"
Sanitary water connectors	3/4"
Weight [kg]	390
Water capacity [l]	207
Exhaust temperature from [C]	60-80
Power supply [V]	230/400
Power consumption from [W]	12
Starting power consumption from [W]	350
Water heaters power up to [W]	9
Noise level [dB]	39
Required chimney current [Pa]	5-20
Central heating water pressure [MPa]	0.4
Sanitary water pressure [MPa]	0.8
Exhaust outlet diameter [mm]	150

Producer reserves the right to change in the technology of the production process without the need to inform the recipients.

DETAILS:

- Modern design
- Safety and low operating cost
- High quality components
- Very high efficiency basing on tested construction of heat exchanger
- Lambda probe which optimizes the combustion process
- Burner made of special heat resistance steel
- Innovative automatic cleaning system
- Intuitive automatics
- All In One

1. Central heating and sanitary water heater serpentine pipe
2. Electric heater
3. Controller
4. Exhaust fan
5. Glycol serpentine pipe



boiler



buffer tank



hot sanitary water tank



EG-PELLET PRO

The device connects the elements found in traditional boiler rooms.

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