

30 YEARS
Since 1989



METAL-FACH
HEATING TECHNOLOGY



CATALOGUE **ECO DESIGN & 5 CLASS**

CENTRAL HEATING BOILERS
EDITION 2019/06/01













WWW.METALFACHTG.COM.PL/EN



ENGLISH



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COMPANY HISTORY

METAL-FACH Heating Technology is a dynamically developing Polish company and the manufacturer brand central heating boilers. The company was founded by Jacek Kucharewicz in 1989. The company's headquarters are found in the northeastern part of the country, in the Podlaskie voivodeship, in the town of Sokółka.

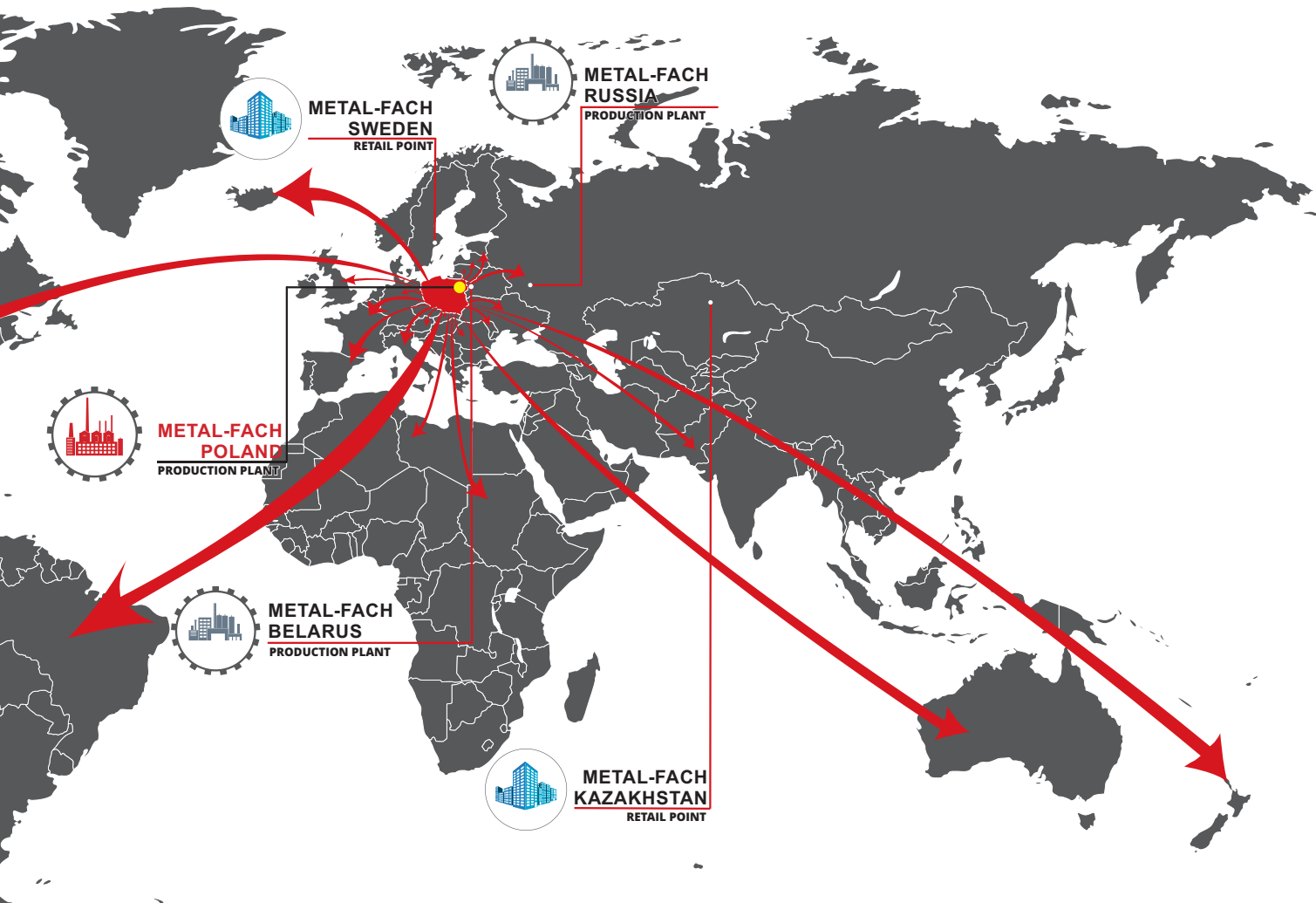
As a result of its many years of activity, **METAL-FACH Heating Technology** has created unique manufacturing and service conditions with the individual consumer in mind. The company's continuous modernization and improvement of its offer enables it to manufacture boilers that fulfill all of the criteria of energy and environmental standards. The central heating boilers manufactured by the company burn various type of fuels, and the automation applied in their design provides great comfort of use. All boilers have declarations of conformity. Before products are approved for sale, boilers must undergo precise technical and quality testing. Our boilers are available at sales points located in Poland, Europe and Asia.

METAL-FACH Heating Technology adjusts its solutions to specific need of our clients. Because of the well trained staff the company provides excellent technical support service and individual care.

In order to make our products even more available on the Polish, European and Asian markets, we are constantly expanding our distributors network.

We are happy to start co-operation with trade companies that are looking for a dependable and responsible partner.





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Advantages of using PELLET

Due to its large number of advantages, pellet is becoming more and more popular as a heating fuel. It is valued, above all, for its good heating capacity and energetic properties, low CO₂ emission, low moisture, clean burning and convenience of use.

High resistance to self-ignition is an additional feature that characterizes pellets. The granulate's smooth surface protects it from absorbing moisture from the environment, meaning that it is in an ideal state for use all the time. The low amount of ash remaining after its combustion makes it possible to save the time that would have been needed to clean ash when burning a different fuel.

Heating your home with PELLET

Heating of a home with wood pellets is an environment-friendly solution. The application of this type of fuel ensures cleanliness in the boiler room and a small amount of ash (approx. 20 kg per ton of burned pellet). This fuel is characterized by low moisture content and low emissions of harmful substances into the environment. The fuel is completely natural and belongs to the group of biofuels that can be used as a safe and harmless gardening fertilizer without fear. Pellets are a high-performance fuel found among the group of renewable energy sources. They are manufactured entirely from natural raw materials, including wood waste.

The pellet market is rather large, so in order to select good quality fuel, it is recommended to take note of the relevant quality certificates when making a purchase. By buying certified pellet, we have the certainty that we will achieve the heating parameters of the central heating boiler guaranteed by the manufacturer, but we can also avoid impurities such as sand or stones, which are present in fuel of poor quality.

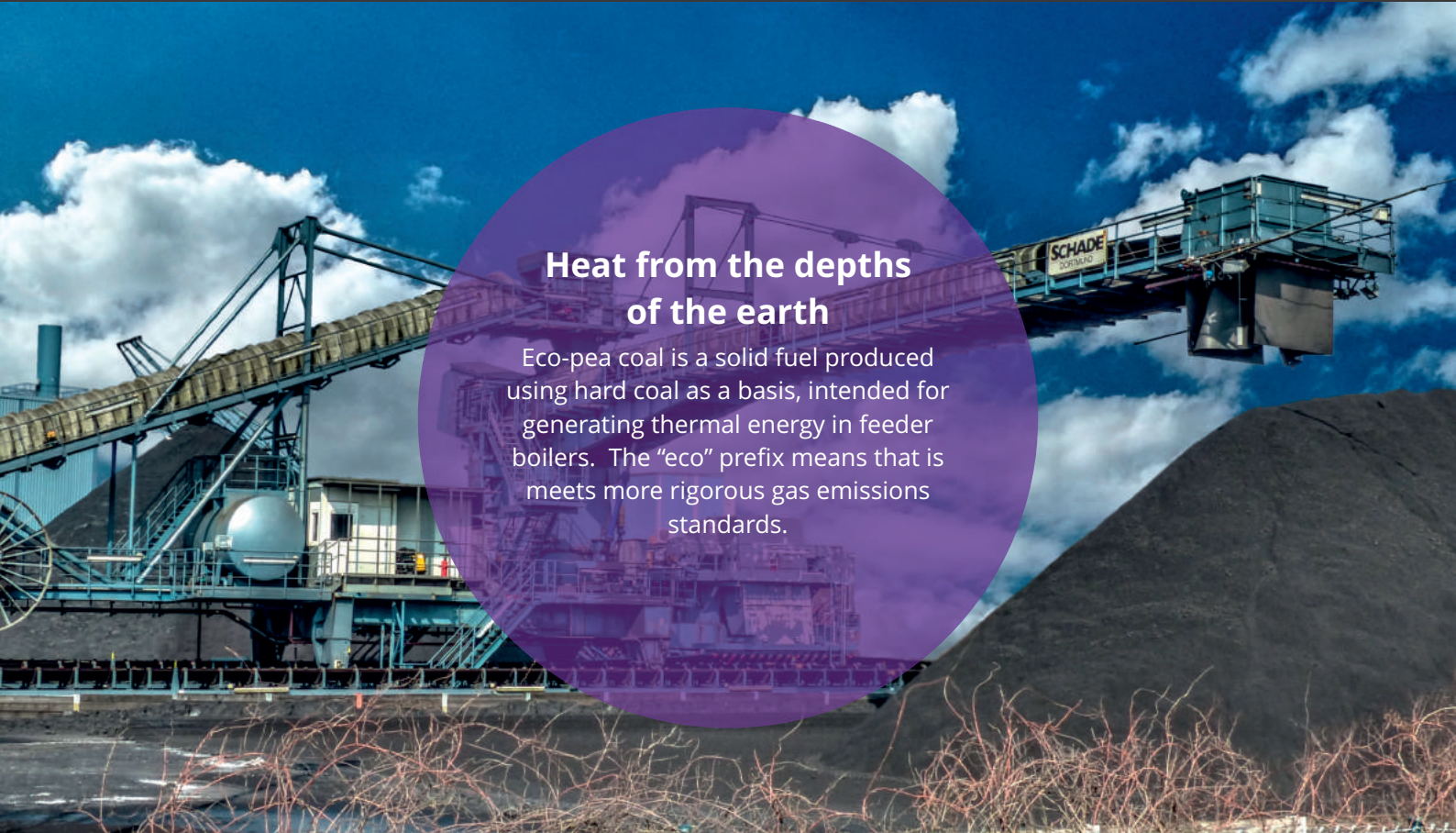
A photograph showing several large, cut logs of wood stacked together. In the foreground, there is a pile of small, light-colored wood pellets. A semi-transparent purple circle is overlaid on the center of the image, containing text.

Heat from nature

Pellet is a natural material produced from wood waste pressed under high pressure – such as sawdust or woodchips - originating from sawmills and wood processing plants. The most popular form of pellet is granulating with a diameter of 6 or 8 mm.

HEAT FROM NATURE

HEAT FROM THE DEPTHS OF THE EARTH



Heat from the depths of the earth

Eco-pea coal is a solid fuel produced using hard coal as a basis, intended for generating thermal energy in feeder boilers. The "eco" prefix means that it meets more rigorous gas emissions standards.

Advantages of using ECO-PEA COAL

Eco-pea coal is the most effective solid fuel, created for the purposes of boilers with an automatic fuel feeder. It has negligible sulfur content, generates a small amount of ash, and has low moisture content. In comparison to burning oil or ordinary coal, eco-pea coal does not emit such a high amount of pollution. Thanks to the origin of this fuel, it reaches high calorific value.

The advantage of boilers fired by eco-pea coal is the low labor-intensiveness of their operation. After the boiler is adjusted, the heating process is realized automatically, and we do not have to worry about maintaining a constant temperature in our homes.

Heating your home with ECO-PEA COAL

Heating of homes by means of eco-pea coal is also an environment-friendly solution. The application of eco-pea coal ensures high efficiency and approx. 4-12% of ash from the loaded fuel, which is a big advantage considering the cost. It is recommended to use eco-pea coal made from hard coal of high calorific value. One should watch out for, in particular, eco-pea coal produced from coal dust and binder. This type of fuel reduces the efficiency of your boiler. When such coal is used, a significantly greater amount of ash is generated, and this also contributes to poisoning of the environment.



Modern PLATINUM touch controller



These devices are made with advanced technology and serve to control the combustion process in boilers both with and without an igniter. The controller is adapted for supporting pumps, mixing valves, thermostats and buffer tanks. A very important advantage of this controller is remote control and changing of its working parameters by means of a computer, smartphone, or tablet via the Internet, thanks to the application of the ecoNET internet module. These devices also make it possible to program an entire week of boiler operation, synchronizing it to your daily

schedule. The application makes boiler control even more intuitive.

Room thermostat, elegant appearance, intuitive operation

The room thermostat can be installed at any location in the building. It offers easy access and optimal convenience of use.



CONTROLLER

FUNCTIONS	CONTROLLER			
	PLATINUM	PLATINUM PELLET	PLATINUM CARBON	MASTER 530
Backdraft prevention system	V	V	V	V
RTC clock with week programmer	V	V	V	-
HTW disinfection	V	V	V	-
Water freezing prevention in the installation system	V	V	V	-
Scale in pumps prevention feature	V	V	V	-
Supplementary boiler service	V	V	V	-
Weather control	V	V	V	-
Igniter service	V	V	-	-
Lambda sensor service	V	V	V	-
Fuzzy Logic	V	V	V	-
PiD	V	V	V	-
Room thermostat 1	-	V	-	V
Room thermostat 2	V	-	V	-
Mixer actuator 1	-	V	-	V
Mixer actuator 2	V	-	V	-
3 pumps (CH , HTW, additional pump)	-	-	-	V
4 pumps (CH , HTW, circulation pump, additional pump)	-	V	-	-
5 pumps (CH 1, CH 2, HTW, circulation pump, additional pump)	V	-	V	-
Platinum B- buffer module, upper and lower sensor (2x mixer pump, 2x mixing valve, 2x thermostat)	V	V	V	-
Platinum C- expanding module (2x mixer pump, 2x mixing valve, 1x thermostat)	V	V	V	-
Internet module	V	V	V	-
Fuel level indicator	V	V	V	-
Dedicated room thermostat	V	V	V	V
Controller software update	V	V	V	-
Touch display panel	V	V	V	-
Analogue display	-	-	-	V



Real time RTC clock with week programmer

The controller feature allows for the user to programme the detailed boiler operation schedule for each weekday. The week programme enables setting the times for starting and switch off of the boiler (because of automatic igniter). It also allows to programme the operation time of the pumps (circulation and additional) and temporary lower temperature in the heating circuits and provides heating comfort in the buildings where the user can set the heating installation parameters to their liking.



Lambda sensor

The sensor, that is installed in the boiler flue, is responsible for reading the oxygen content in the fumes. It allows for precise feeding of the fuel- oxygen mixture. Once the system recognizes the burning efficiency, it can enhance it. If the oxygen level in the boiler fumes is too low, the boiler work power will increase by the value calculated by the Fuzzy Logic unit. It is due to the correction parameter feature. It presents the internal units of the blower power changes. The Lambda sensor enhances the boiler performance, lowers the eco-unfriendly substances and gases. It improves the fuel consumption thus lowers the cost of operation. The Lambda sensor is an additional accessory and is highly recommended. During the cleaning process of the boiler, it is essential to remove the sensor from the sleeve.



Find out about the capabilities it offers before buying the product

Ask the seller about the possibility of checking how the ecoNET 300 internet module works on the website www.econet24.com



Zaloguj się na swoje konto ecoNET

Login (e-mail):

Hasło:

Zaloguj

[Utwórz nowe konto](#)
[Zapomnieliśmy hasła?](#)



Alarm		Frost		Alarm unknown	
1	alarm49	2013.03.06.01.35.00			
2	alarm49	2013.02.10.20.09.00			
3	It takes frost protection - heat source are not included	2013.03.08.12.34.37			
4	Alarm unknown	2013.03.05.12.35.34		2013.03.04.23.22.42	
5	It takes frost protection - heat source are not included	2013.02.26.17.14.16		2013.02.26.17.14.51	
6	No power	2013.02.26.17.05.43		2013.02.26.17.05.50	
7	No power	2013.02.26.17.05.33		2013.02.26.17.05.37	
8	No power	2013.02.26.16.53.10		2013.02.26.16.55.57	
9	No power	2013.02.25.21.33.51		2013.02.25.21.33.52	
10	No power	2013.02.23.08.39.11		2013.02.23.08.39.31	
11	No power	2013.02.16.21.35.11		2013.02.16.21.43	
12	Error Sensor solar circuit SL	2013.02.16.17.58.36		2013.02.16.17.58.36	
13	No power	2013.02.10.21.07.17		2013.02.10.21.08.22	
14	No power	2013.02.10.20.05.56		2013.02.09.18.02.30	
15	Alarm unknown	2013.02.01.18.03.28		2013.02.01.18.03.51	
16	No power	2013.02.01.18.03.47		2015.12.10.06.26.25	
17	No power	2015.12.09.14.33.26		2015.12.10.06.26.25	
18	Alarm unknown	2015.12.04.13.31.53		2015.12.04.13.42.40	
19	Alarm unknown	2015.12.04.11.21.06		2015.12.04.11.44.07	
20	No power	2015.12.04.11.10.02		2015.12.04.11.10.06	
21	No power	2015.12.04.11.10.03		2015.12.04.11.11.02	
22	No power	2015.12.04.11.03.54		2015.12.04.11.04.41	
23	Alarm unknown	2015.12.04.11.00.49		2015.12.04.11.01.53	
24	No power	2015.12.03.11.03.07		2015.12.01.08.02.50	
25	No power	2015.11.27.19.16.02		2015.12.01.08.02.66	
26	It takes frost protection - heat source are not included	2015.11.27.09.30.44			
27	Alarm unknown				
28	It takes frost protection - heat source are not included				

APPLICATION



ecoNET

Possibility of controlling the regulator via an application



App Store



Google Play

The rapid development of control systems and monitoring systems of heating installations has led us to improve and facilitate the convenience of using our equipment. Electronic monitoring of equipment has become a permanent part of our homes. It allows the user to easily control home heating from any location.

Thanks to the application of the aforementioned technology, the user is capable of controlling the work of a machine via computer, tablet or phone. Remote access enables previewing of current parameters of the heating system, modulation of temperature in selected areas such as central heating and hot domestic water. Thanks to the integrated service system, it is possible to register key parameters of boiler operation, send alarm messages automatically to an e-mail inbox, and view the history of parameter and alarm settings in the form of easy-to-read charts. The system also allows for technical inspections and consulting on configuration of equipment from the side of the company.





PLATINUM PELLETT*** controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation. The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- one mixing circulation, C.H.1 with room thermostat;
- pump: C.H.1; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT

*** The possibility of cooperation with an exhaust fan

Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors. The safeguard causes immediate shutdown of boiler operation after a door is opened.

in accordance with PN-EN 303-5 2012



PELLET

SERIES SLIM PELLETT

TECHNICAL SPECIFICATIONS >>>



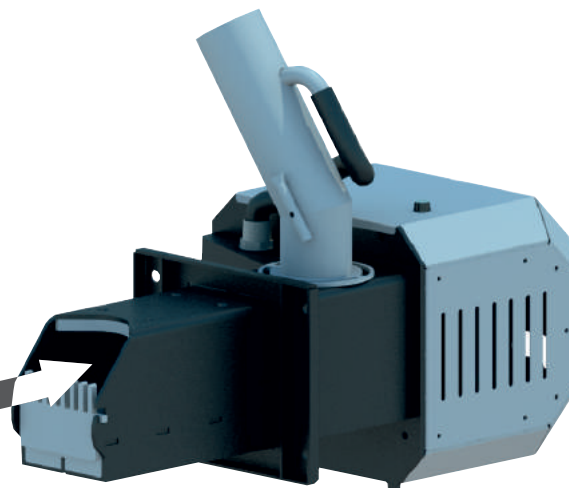
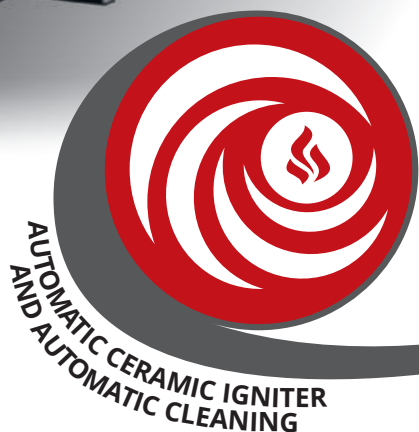
Applied technology in boiler manufacturing. We guarantee the quality of the materials we use to manufacture our products. We use only attested, high-grade boiler steel. Thanks to the boiler's three-section design, it is easier to install and transport directly to the boiler room. The boiler consists of a body, fuel dispenser and burner.



Guarantee of machine serviceability**
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual

Self-cleaning chute burner
this innovative solution is for burning of pellet type fuel and provides automatic cleaning. The burner is equipped with a system for automatic ash removal from the grate. Thanks to the application of an automatic, ceramic igniter, the machine becomes practically automatic. Burner parts exposed to contact with high temperature are made from heat-resistant steel. A chamotte screen is found on the wall opposite to the burner.





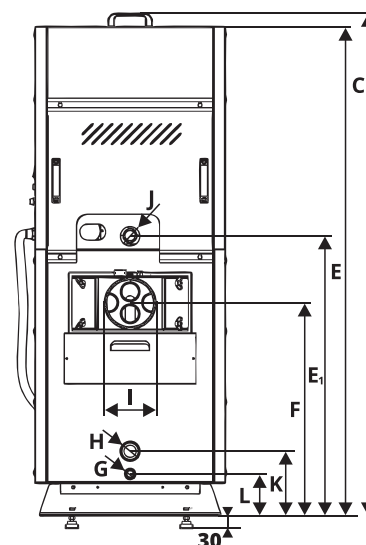
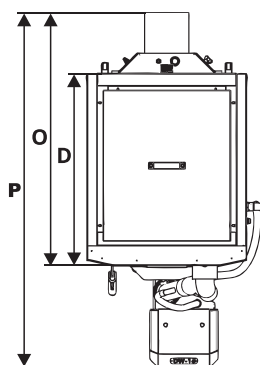
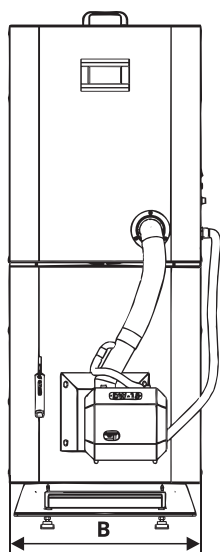
TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler		
		SLIM PELLET 10	SLIM PELLET 15	SLIM PELLET 20
Nominal thermal output pellet	[kW]	10	15	20
Boiler power range	[kW]	3-10	4,5-15	6-20
Heatable area	[m ²]	100	100-150	150-200
Heating surface	[m ²]	1,5	2,1	2,5
Boiler water capacity	[L]	45	65	75
Maximum working pressure	[Bar]	3	3	3
Maximum working temperature	[°C]	85	85	85
Test pressure	[Bar]	4,5	4,5	4,5
EcoDesign	-	+	+	+
Boiler class	-	5	5	5
Boiler efficiency	[%]	≤89,3	≤90,4	≤89,2
Single fuel load	[L]	130	170	210
Single fuel load	[kg]	78	102	126
Fuel	-	pellet Ø6-8		
Power supply	-	~230V; 50Hz		
Power consumption at boiler nominal power	[W]	115	115	115
Temperature controller setting range	[°C]	60 - 85 (1 at a time)		
Required chimney flue	[Pa]	20	23	26
Boiler weight	[kg]	240	290	340

SERIES SLIM PELLET

Steel central heating boilers
with automatic fuel feed
and automatic cleaning

SERIES SLIM PELLET



TYPE	SLIM PELLET 10	SLIM PELLET 15	SLIM PELLET 20
A	-	-	-
B	590	590	690
C	1550	1550	1550
C1	-	-	-
D	705	920	920
E	1510	1510	1510
E1	865	865	865
F	656	656	656
G	G ¾	G ¾	G ¾
H	G 1 ¼	G 1 ¼	G 1 ¼
I	160	160	160
J	G 1 ¼	G 1 ¼	G 1 ¼
K	200	200	200
L	130	130	130
M	-	-	-
N	-	-	-
O	935	1150	1150
P	1310	1525	1525



PLATINUM PELLETT** controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation. The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- one mixing circulation, C.H.1 with room thermostat;
- pump: C.H.1; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT

*** The possibility of cooperation with an exhaust fan

Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT

Exhaust fan

The exhaust fan effectively supports the natural exhaust of the boiler. Mounted in the flue, it improves the effects of the blower connected as an air blower. It is useful when firing the furnace in the boiler, adding fuel, but also during everyday use. In addition, the exhaust fan counteracts the escape of smoke from the boiler to the boiler room.

Safeguards in the form of a limit switch are found in all doors. The safeguard causes immediate shutdown of boiler operation after a door is opened.

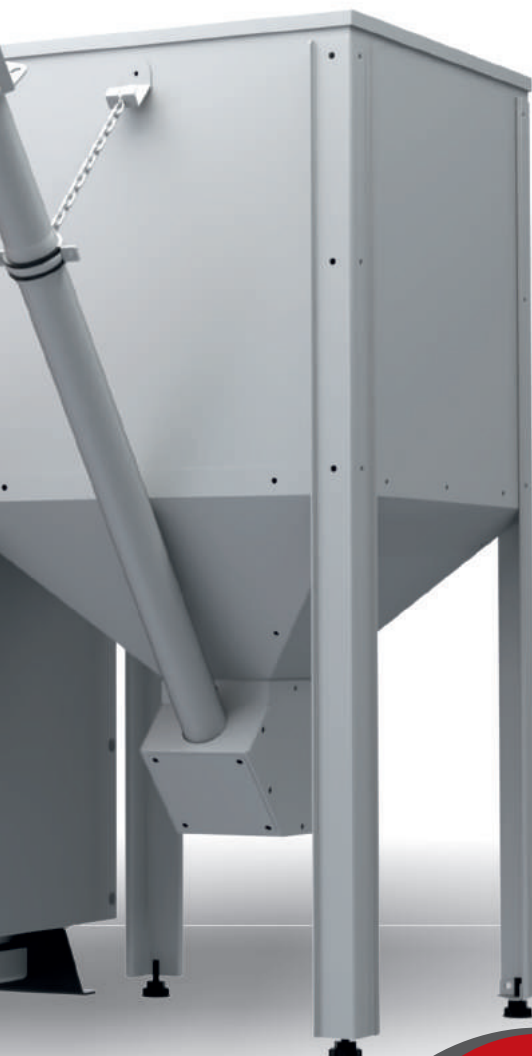
in accordance with PN-EN 303-5 2012



PELLET

SERIES SLIM PELLETT MINI

TECHNICAL SPECIFICATIONS >>>



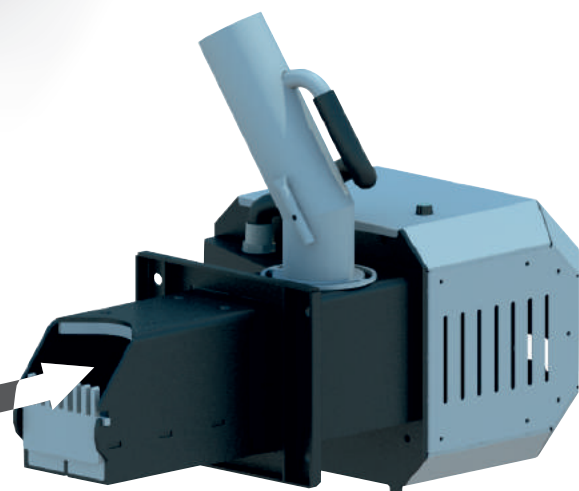
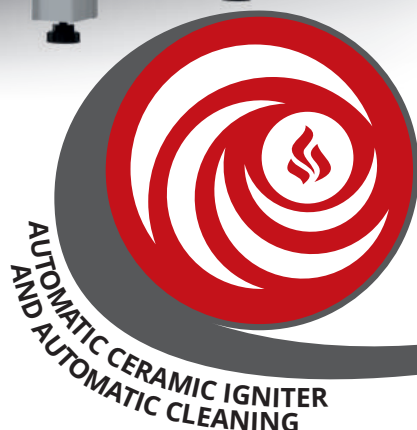
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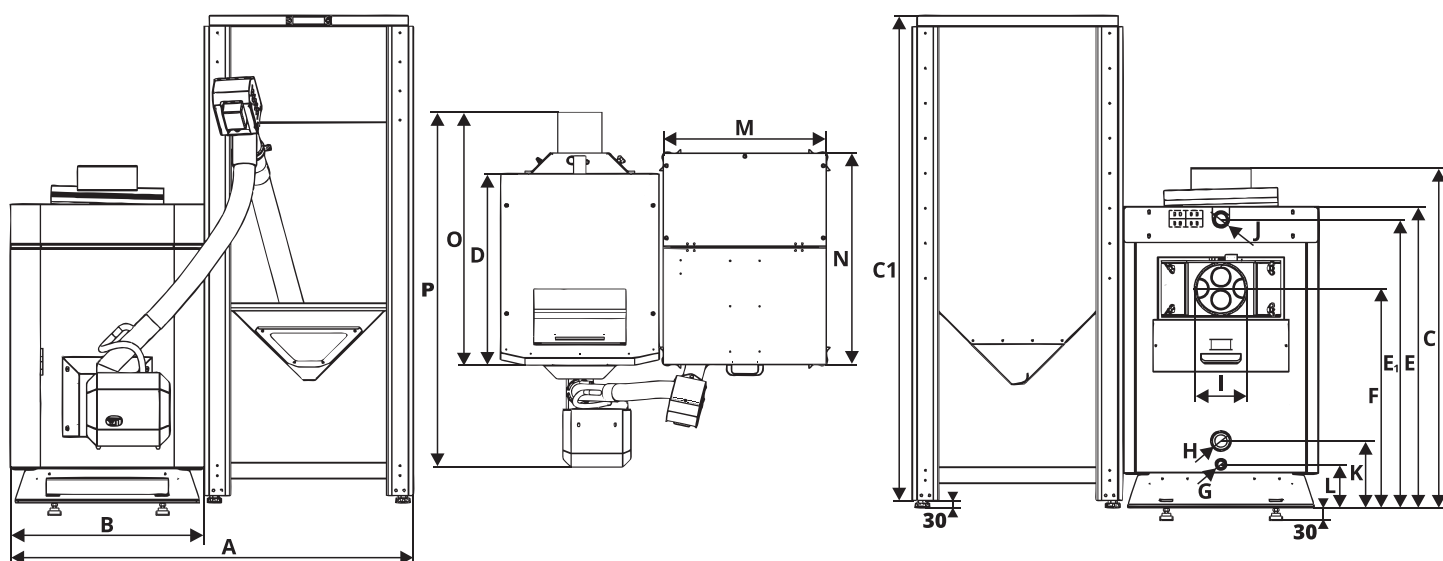




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler		
		SLIM PELLETT MINI 10	SLIM PELLETT MINI 15	SLIM PELLETT MINI 20
Nominal thermal output pellet	[kW]	10	15	20
Boiler power range	[kW]	3-10	4,5-15	6-20
Heatable area	[m ²]	100	100-150	150-200
Heating surface	[m ²]	1,5	2,1	2,5
Boiler water capacity	[L]	45	65	75
Maximum working pressure	[Bar]	3	3	3
Maximum working temperature	[°C]	85	85	85
Test pressure	[Bar]	4,5	4,5	4,5
EcoDesign	-	+	+	+
Boiler class	-	5	5	5
Boiler efficiency	[%]	≤89,3	≤90,4	≤89,2
Single fuel load	[L]	230	230	230
Single fuel load	[kg]	138	138	138
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SERIES SLIM PELLETT MINI



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A	1220	1220	1320
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C	1020	1020	1020
C1	1270	1270	1270
D	705	920	920
E	905	905	905
E ₁	865	865	865
F	656	656	656
G	G ¾	G ¾	G ¾
H	G 1 ¼	G 1 ¼	G 1 ¼
I	160	160	160
J	G 1 ¼	G 1 ¼	G 1 ¼
K	200	200	200
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* ADDITIONAL EQUIPMENT



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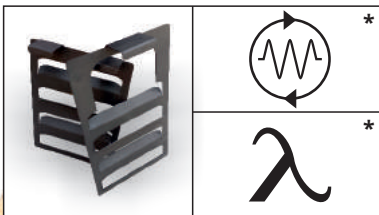
in accordance with PN-EN 303-5 2012

We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

* **The cooling coil pipe*** is a device found inside the boiler, serving for leading off excess heat in the case where the boiler overheats.

* **The Lambda probe*** is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT



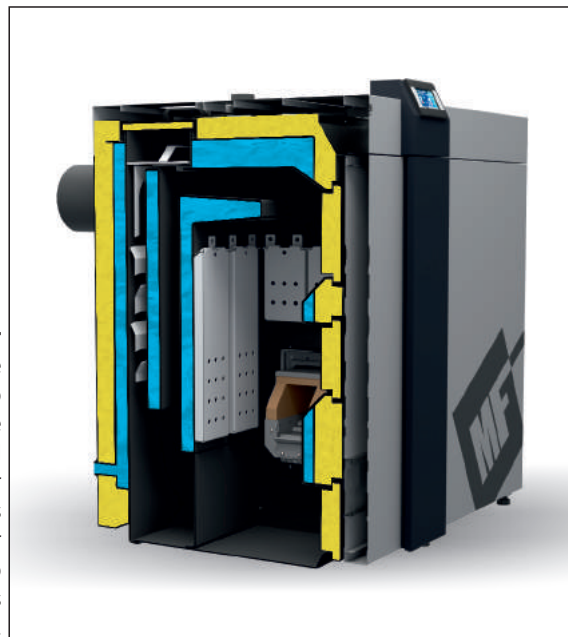
PELLET

SERIES SEG PELLETT

TECHNICAL SPECIFICATIONS >>>



Applied technology in boiler manufacturing. We guarantee the quality of the materials we use to manufacture our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers. Thanks to the boiler's three-section design, it is easier to install and transport directly to the boiler room. The boiler consists of a body, fuel dispenser and burner.

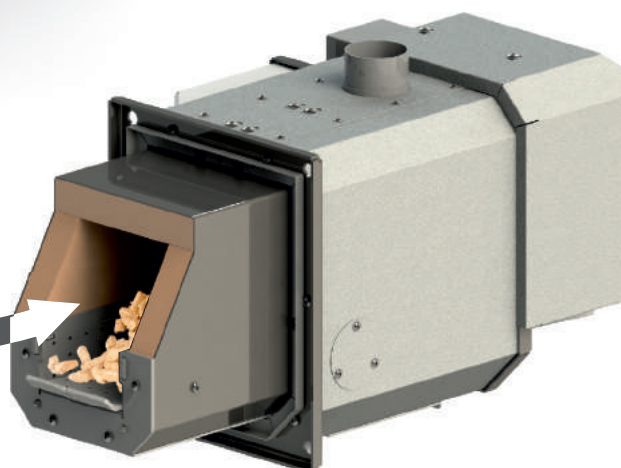
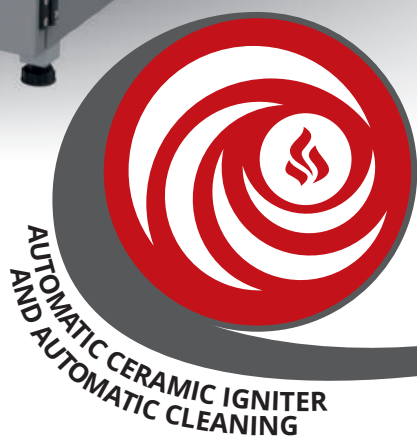


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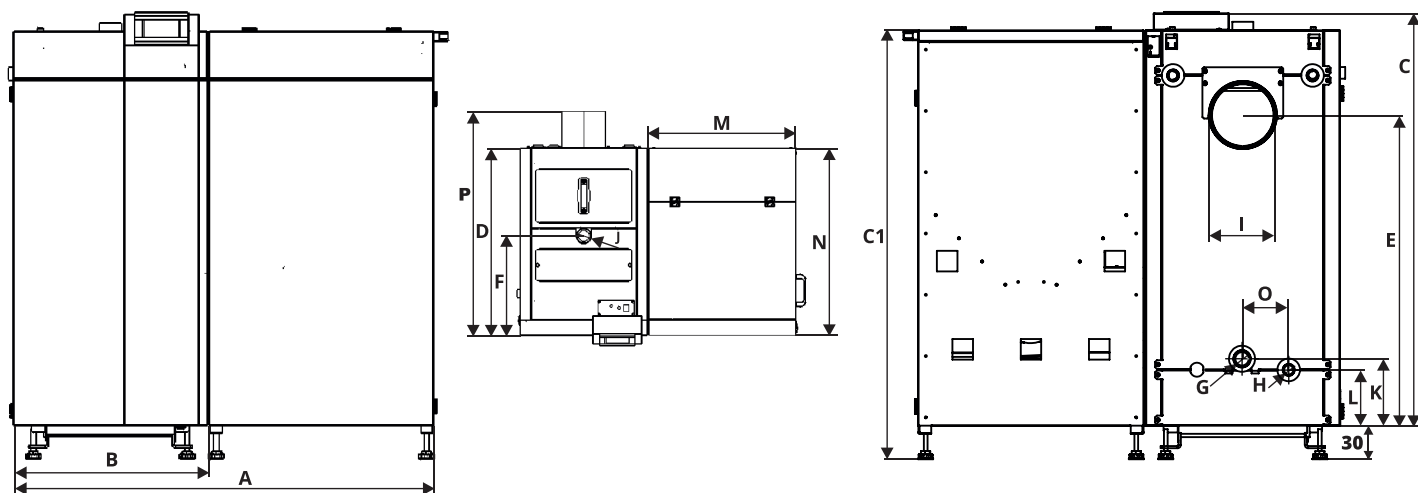




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler										
		SEG PELLETT 15	SEG PELLETT 20	SEG PELLETT 25	SEG PELLETT 30	SEG PELLETT 50	SEG PELLETT 75	SEG PELLETT 100	SEG PELLETT 150	SEG PELLETT 200	SEG PELLETT 300	SEG PELLETT 400
Nominal thermal output pellet	[kW]	15	20	25	30	50	75	100	150	200	300	400
Boiler power range	[kW]	4,5-15	6-20	7,5-25	9-30	15-50	22,5-75	30-100	45-150	60-200	75-300	120-400
Heatable area	[m ²]	150	150-200	200-250	250-300	300-500	500-750	750-1000	1000-1500	1500-2000	2000-3000	3000-4000
Heating surface	[m ²]	2,10	2,54	2,85	3,11	5,41	6,75	8,2	11,5	18	32	38,5
Boiler water capacity	[L]	60	68	73	95	120	173	194	339	760	1765	2315
Maximum working pressure	[Bar]	3	3	3	3	3	3	3	3	3	3	3
Maximum working temperature	[°C]	85	85	85	85	95	95	95	95	95	95	95
Test pressure	[Bar]	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5
EcoDesign	-	+	+	+	+	-	-	-	-	-	-	-
Boiler class	-	5	5	5	5	-	-	-	-	-	-	-
Boiler efficiency	[%]	≤88,2	≤90,3	≤91,2	≤91,1	≤90	≤90	≤90	≤90	≤90	≤90	≤90
Single fuel load	[L]	260	260	260	260	1000	1000	1000	1000	1000	2000	2000
Single fuel load	[kg]	156	156	156	156	596	596	596	596	596	1192	1192
Fuel	-	pellet Ø6-8										
Power supply	-	~230V; 50Hz										
Power consumption at boiler nominal power	[W]	120	120	120	120	300	400	400	600	600	680	680
Temperature controller setting range	[°C]	60 - 85 (1 at a time)										
Required chimney flue	[Pa]	20	25	25	30	35	38	40	45	50	50	65
Boiler weight	[kg]	448	510	535	551	745	855	995	1350	2100	<3000	3340

SERIES SEG PELLETT



TYPE	SEG PELLETT 15	SEG PELLETT 20	SEG PELLETT 25	SEG PELLETT 30	SEG PELLETT 50	SEG PELLETT 75	SEG PELLETT 100	SEG PELLETT 150	SEG PELLETT 200	SEG PELLETT 300	SEG PELLETT 400
A	1150	1150	1110	1130	1406	1505	1505	1965	2500	3140	4500
B	530	530	530	580	585	682	793	955	1240	1820	2100
C	1185	1380	1440	1440	1415	1484	1520	2200	2230	2220	2220
C1	-	-	-	-	-	-	-	-	-	-	-
D	780	815	860	860	1003	1175	1325	1260	1690	2545	2545
E	908	1105	1162	1162	1110	1115	1215	2005	1720	1770	1770
F	413	423	472	472	535	545	695	515	890	1774	1774
G	G 2	G 2	G 2	G 2	G 1 ½	G 1 ½	G 1 ½	G 2	101,6x5	101,6	101,6
H	G 1	G 1	G 1	G 1	G ¾	G ¾	G ¾	G ¾	G 1 ¼	1,25	1,25
I	90	90	90	90	180	220	220	250	350	254	254
J	G 2	G 2	G 2	G 2	G 1 ½	G 1 ½	G 1 ½	G 2	101,6x5	101,6	101,6
K	214	250	246	246	337	350	300	165	375	320	320
L	214	210	206	206	190	175	175	143	330	-	-
M	615	615	570	540	680	680	700	1015	1200	1100	1100
N	-	-	-	-	850	1075	1075	1105	1190	1100	1100
O	125	125	125	125	175	220	220	275	250	300	300
P	930	970	1020	1020	1218	1413	1570	1560	2240	-	-
R	-	-	-	-	-	-	-	-	-	-	-



PLATINUM PELLETT controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation. The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- one mixing circulation, C.H.1 with room thermostat;
- pump: C.H.1; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT



Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors. The safeguard causes immediate shutdown of boiler operation after a door is opened.

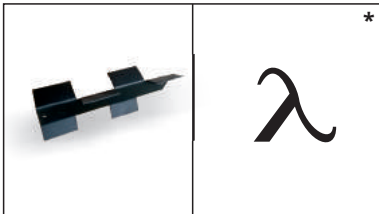
in accordance with PN-EN 303-5 2012



* We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

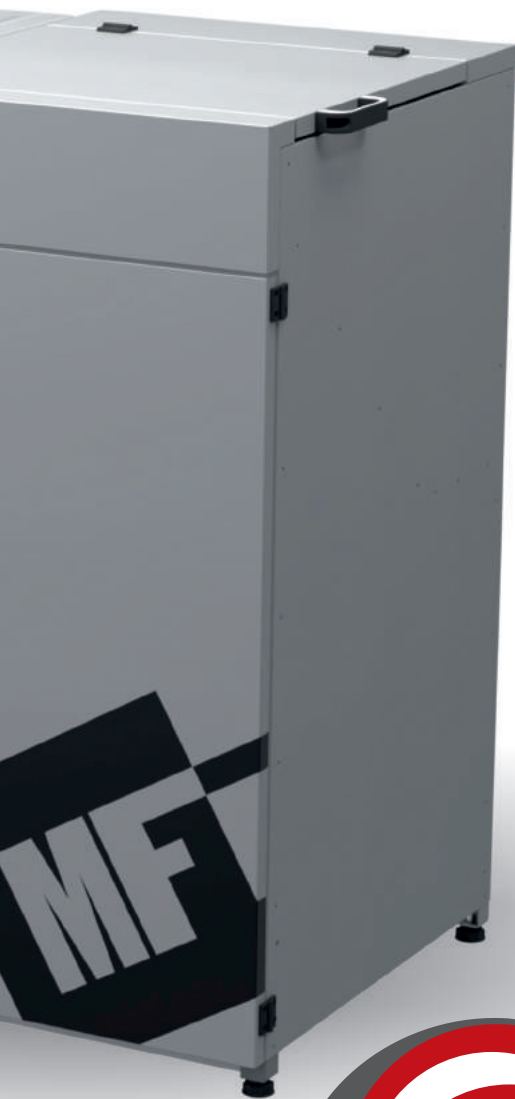
* ADDITIONAL EQUIPMENT



PELLET

SERIES SMART PELLETT

TECHNICAL SPECIFICATIONS >>>

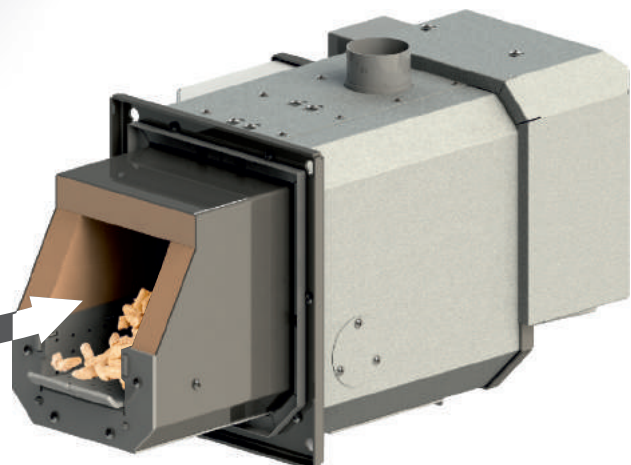
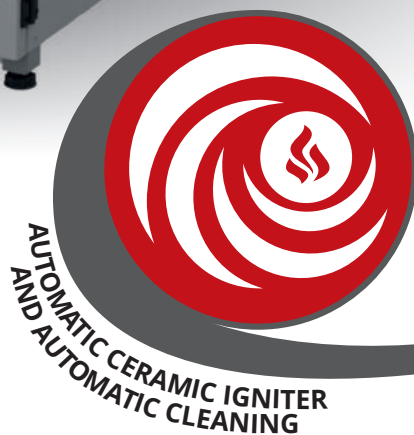


Applied technology in boiler manufacturing. We guarantee the quality of the materials we use to manufacture our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers. Thanks to the boiler's three-section design, it is easier to install and transport directly to the boiler room. The boiler consists of a body, fuel dispenser and burner.



Guarantee of machine serviceability**
A 5-year guarantee is provided upon purchase of a machine.
** Warranty conditions in the manual

Self-cleaning chute burner
this innovative solution is for burning of pellet type fuel and provides automatic cleaning. The burner is equipped with a system for automatic ash removal from the grate. Thanks to the application of an automatic, ceramic igniter, the machine becomes practically automatic. Burner parts exposed to contact with high temperature are made from heat-resistant steel. A chamotte screen is found on the wall opposite to the burner.

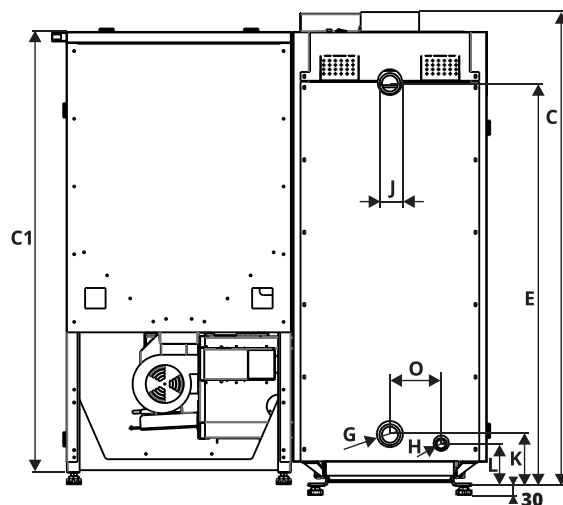
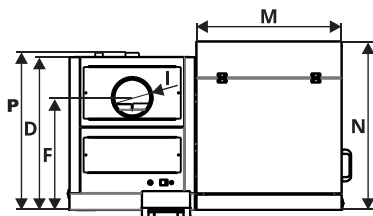
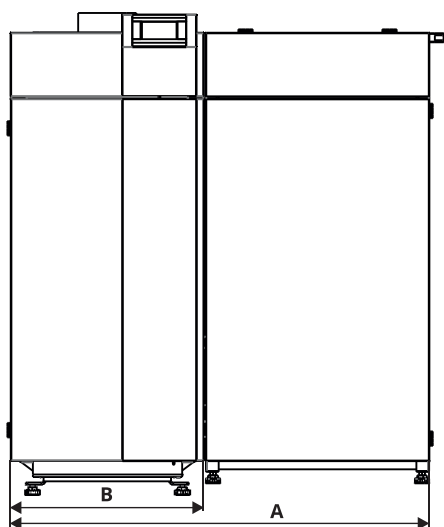




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler			
		SMART PELLETT 16	SMART PELLETT 20	SMART PELLETT 25	SMART PELLETT 30
Nominal thermal output pellet	[kW]	16	20	25	30
Boiler power range	[kW]	4,8-16	6-20	7,5-25	9-30
Heatable area	[m ²]	160	160-200	200-250	250-300
Heating surface	[m ²]	1,63	2,0	2,6	3,08
Boiler water capacity	[L]	48	60	71	80
Maximum working pressure	[Bar]	3	3	3	3
Maximum working temperature	[°C]	85	85	85	85
Test pressure	[Bar]	4,5	4,5	4,5	4,5
EcoDesign	-	+	+	+	+
Boiler class	-	5	5	5	5
Boiler efficiency	[%]	≤89,7	≤88,8	≤89,1	≤89,9
Single fuel load	[L]	260	260	260	260
Single fuel load	[kg]	156	156	156	156
Fuel	-	pellet Ø6-8			
Power supply	-	~230V; 50Hz			
Power consumption at boiler nominal power	[W]	115	115	115	115
Temperature controller setting range	[°C]	60 - 85 (1 at a time)			
Required chimney flue	[Pa]	24	25	24	24
Boiler weight	[kg]	340	360	405	440

SERIES SMART PELLETT



TYPE	SMART PELLET 16	SMART PELLET 20	SMART PELLET 25	SMART PELLET 30
A	1150	1150	1200	1200
B	530	530	580	580
C	1295	1350	1350	1450
C1	1240	1300	1300	1400
D	646	716	806	806
E	1100	1160	1160	1255
E1	140	140	140	145
F	475	545	635	625
G	G 1 ½	G 1 ½	G 1 ½	G 1 ½
H	G ¾	G ¾	G ¾	G ¾
I	160	160	160	180
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	140	140	140	140
L	115	115	115	115
M	615	615	615	615
N	712	716	806	806
O	140	140	140	140
P	665	730	826	826
R	-	-	-	-



PLATINUM controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation.

The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- two mixing circulations, C.H.1 and C.H.2 with room thermostat;
- pump: C.H.1; C.H.2; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT



Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors and in the fuel dispenser cover. The safeguard causes immediate shutdown of boiler operation after a door or dispenser cover is opened.

in accordance with PN-EN 303-5 2012

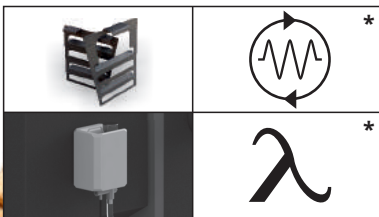
We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

The flame safeguard prevents ignition of fuel found in the boiler's dispenser.

The cooling coil pipe* is a device found inside the boiler, serving for leading off excess heat in the case where the boiler overheats.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT



SERIES SEG BIO

TECHNICAL SPECIFICATIONS >>>



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Guarantee of machine serviceability**
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual

BIO Chute Burner

this is one of the most popular burners intended for burning of pellet-type fuel. Thanks to the application of an automatic igniter, the machine becomes practically automatic. A chamotte screen is found on the wall opposite to the burner.

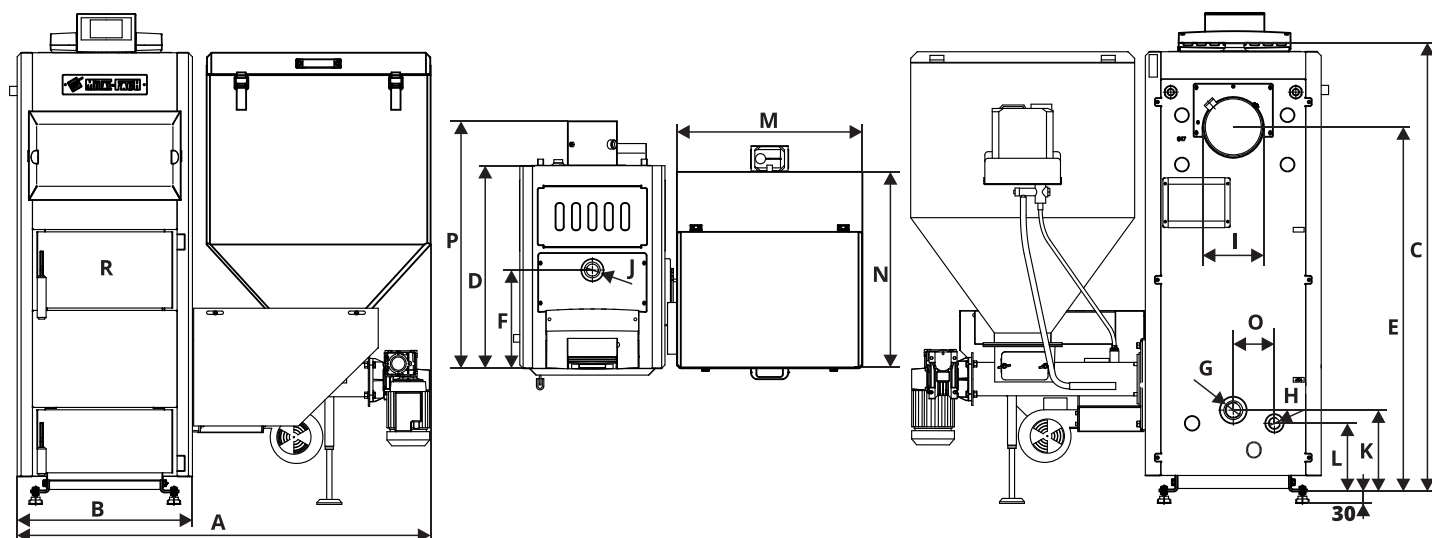




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler						
		SEG BIO 14	SEG BIO 19	SEG BIO 25	SEG BIO 38	SEG BIO 50	SEG BIO 75	SEG BIO 100
Nominal thermal output pellet	[kW]	14	19	25	38	50	75	100
Boiler power range	[kW]	4,2-14	5,7-19	7,5-25	10,5-38	15-50	22,5-75	30-100
Heatable area	[m ²]	140	140-190	190-250	250-380	380-500	500-750	750-1000
Heating surface	[m ²]	2,1	2,54	2,85	3,11	5,41	6,75	8,2
Boiler water capacity	[L]	60	68	73	95	120	173	194
Maximum working pressure	[Bar]	3	3	3	3	3	3	3
Maximum working temperature	[°C]	95	95	95	95	95	95	95
Test pressure	[Bar]	4,5	4,5	4,5	4,5	4,5	4,5	4,5
EcoDesign	-	-	-	-	-	-	-	-
Boiler class	-	5	5	5	5	5	5	5
Boiler efficiency	[%]	≤90	≤90	≤90	≤90	≤90	≤90	≤90
Single fuel load	[L]	190	290	350	350	400	520	520
Single fuel load	[kg]	114	174	210	210	240	310	310
Fuel	-	pellet Ø6-8						
Power supply	-	~230V; 50Hz						
Power consumption at boiler nominal power	[W]	300	300	300	300	400	400	400
Temperature controller setting range	[°C]	60 - 85 (1 at a time)						
Required chimney flue	[Pa]	20	23	23	35	38	40	40
Boiler weight	[kg]	415	475	510	530	745	855	995

SERIES SEG BIO



TYPE	SEG BIO 14	SEG BIO 19	SEG BIO 25	SEG BIO 38	SEG BIO 50	SEG BIO 75	SEG BIO 100
A	1256	1256	1256	1306	1406	1505	1505
B	535	535	535	585	682	793	793
C	1160	1355	1415	1415	1484	1520	1620
D	705	745	795	795	1003	1175	1325
E	910	1105	1160	1160	1110	1115	1215
F	350	360	410	410	535	545	695
G	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
H	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
I	180	180	180	180	220	220	220
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	213	247	245	245	337	350	300
L	213	207	205	205	190	175	175
M	680	680	680	680	680	680	700
N	707	720	776	766	850	1075	1075
O	125	125	125	125	175	220	220
P	870	905	955	955	1218	1413	1570
R	338x158	338x198	338x198	388x198	488x198	600x264	600x264



PLATINUM controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation.

The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- two mixing circulations, C.H.1 and C.H.2 with room thermostat;
- pump: C.H.1; C.H.2; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT



Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors and in the fuel dispenser cover. The safeguard causes immediate shutdown of boiler operation after a door or dispenser cover is opened.

in accordance with PN-EN 303-5 2012



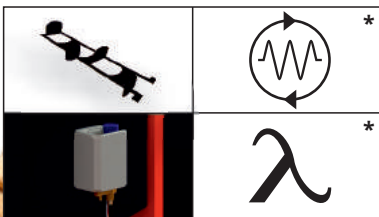
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The cooling coil pipe* is a device found inside the boiler, serving for leading off excess heat in the case where the boiler overheats.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT



PELLET

SERIES SD DUO BIO

TECHNICAL SPECIFICATIONS >>>



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Guarantee of machine serviceability**

A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual

BIO Chute Burner

this is one of the most popular burners intended for burning of pellet-type fuel. Thanks to the application of an automatic igniter, the machine becomes practically automatic. A chamotte screen is found on the wall opposite to the burner.

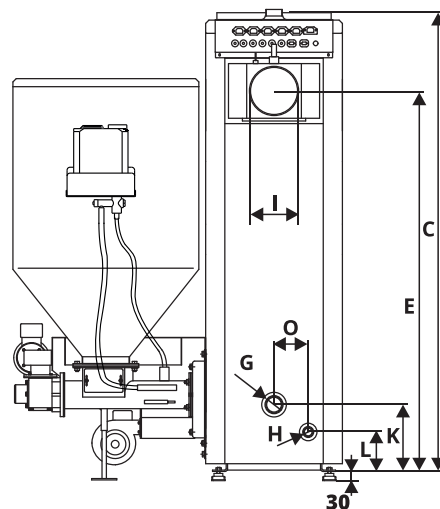
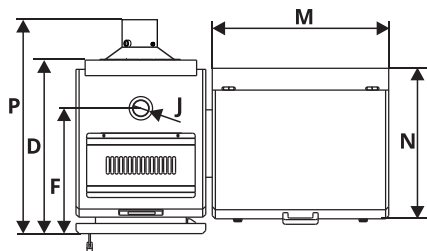
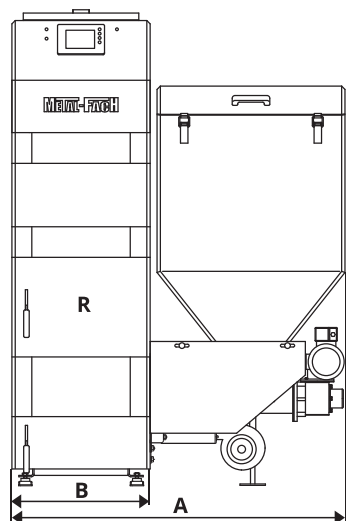




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler			
		SD DUO BIO 16	SD DUO BIO 20	SD DUO BIO 28	SD DUO BIO 34
Nominal thermal output pellet	[kW]	16	20	28	34
Boiler power range	[kW]	4,8-16	6-20	8,4-28	10,2-34
Heatable area	[m ²]	160	160-200	200-280	280-340
Heating surface	[m ²]	2,33	2,62	2,85	3,10
Boiler water capacity	[L]	78	84	90	100
Maximum working pressure	[Bar]	3	3	3	3
Maximum working temperature	[°C]	95	95	95	95
Test pressure	[Bar]	4,5	4,5	4,5	4,5
EcoDesign	-	+	-	+	-
Boiler class	-	5	5	5	5
Boiler efficiency	[%]	≤90	≤90	≤90	≤90
Single fuel load	[L]	300	300	300	300
Single fuel load	[kg]	180	180	180	180
Fuel	-	pellet Ø6-8			
Power supply	-	~230V; 50Hz			
Power consumption at boiler nominal power	[W]	300	300	300	300
Temperature controller setting range	[°C]	60 - 85 (1 at a time)			
Required chimney flue	[Pa]	20	23	23	35
Boiler weight	[kg]	460	475	495	520

SERIES SD DUO BIO



TYPE	SD DUO BIO 16	SD DUO BIO 20	SD DUO BIO 28	SD DUO BIO 34
A	1245	1245	1245	1300
B	541	541	541	591
C	1665	1665	1665	1665
D	653	703	753	753
E	1400	1400	1400	1400
F	442	487	537	537
G	G 1 ½	G 1 ½	G 1 ½	G 1 ½
H	G ¾	G ¾	G ¾	G ¾
I	180	180	180	200
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	244	244	244	244
L	144	144	144	144
M	680	680	680	680
N	595	595	595	595
O	125	125	125	125
P	830	880	930	930
R	338x198	338x198	338x198	388x198



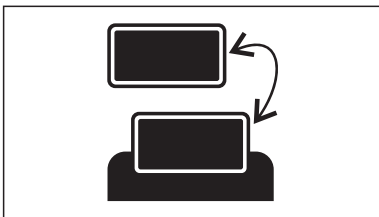
BRONZE controllers are devices with the most basic functions, enabling effective boiler operation.

The controller enables:

- division into summer/winter work mode;
- weather control;

The controller supports:

- one mixing circulation, C.H.1 with room thermostat;
- pump: C.H.1; D.H.W.



Room thermostat *

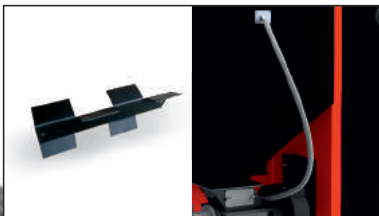
- the room thermostat displays information supplied by the boiler controller.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors and in the fuel dispenser cover. The safeguard causes immediate shutdown of boiler operation after a door or dispenser cover is opened.

in accordance with PN-EN 303-5 2012



We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

The pressure equalization system prevents reversion of flame into the dispenser.



High efficiency furnace chamber

Thanks to the use of ceramic fittings together with a highly efficient cast iron burner, the boiler maintains high efficiency at all times and receives a minimum of 90% of the heat generated for the c.o. installation.



ECO-PEA COAL

SERIES SMART EKO

TECHNICAL SPECIFICATIONS >>>

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Guarantee of machine serviceability**

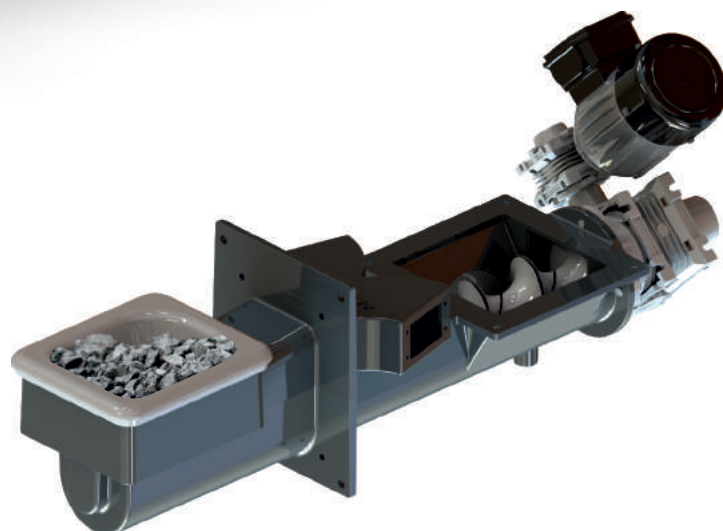
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual

Cast Iron Burner

this is a tried and tested design, reliable for burning eco-pea coal fuel.

The burner is made completely from cast iron resistant to corrosion, abrasion and high temperature. Fuel granulation 0-32 mm. The cast iron worm has a countercoil. A ceramic deflector is situated in the boiler above the burner.

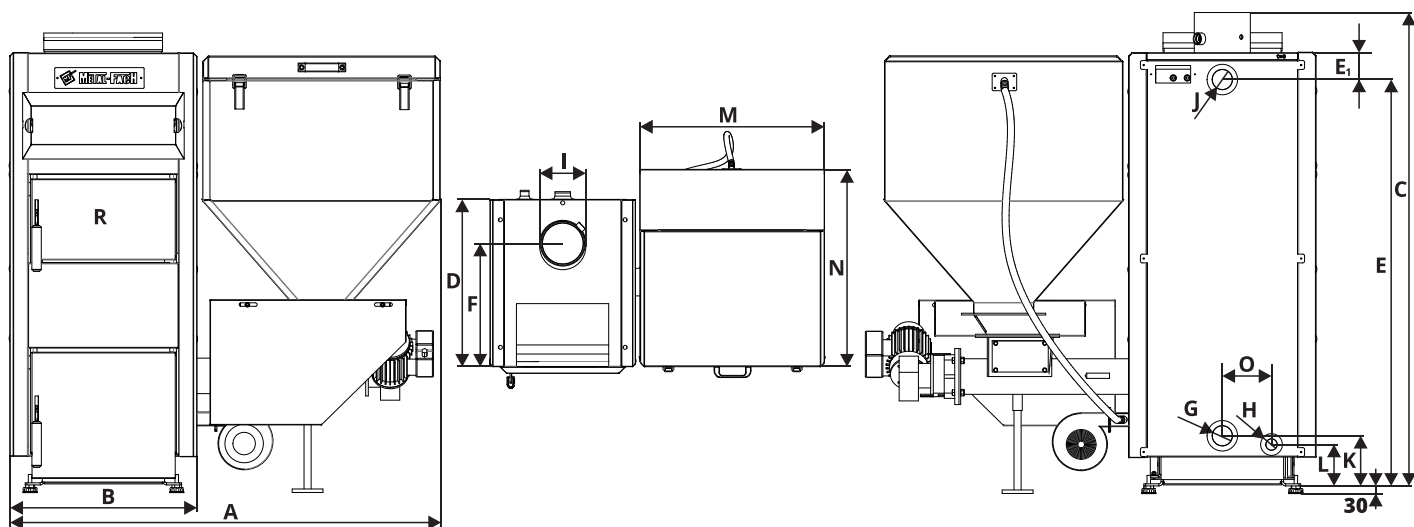




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler				
		SMART EKO 12	SMART EKO 15	SMART EKO 20	SMART EKO 25	SMART EKO 30
Nominal thermal output eco-pea coal	[kW]	12	15	20	25	30
Boiler power range	[kW]	3,6-12	4,5-15	6-20	7,5-25	9-30
Heatable area	[m ²]	120	120-150	150-200	200-250	250-300
Heating surface	[m ²]	1,63	1,63	2,0	2,6	3,08
Boiler water capacity	[L]	48	48	60	71	80
Maximum working pressure	[Bar]	3	3	3	3	3
Maximum working temperature	[°C]	85	85	85	85	85
Test pressure	[Bar]	4,5	4,5	4,5	4,5	4,5
EcoDesign	-	+	+	+	+	+
Boiler class	-	5	5	5	5	5
Boiler efficiency	[%]	≤88	≤88	≤88	≤88	≤88
Single fuel load	[L]	200	200	200	200	200
Single fuel load	[kg]	146	146	146	146	146
Fuel	-	eco-pea coal				
Power supply	-	~230V; 50Hz				
Power consumption at boiler nominal power	[W]	350	350	350	350	350
Temperature controller setting range	[°C]	60 - 85 (1 at a time)				
Required chimney flue	[Pa]	22	23	26	28	30
Boiler weight	[kg]	350	360	410	460	482

SERIES SMART EKO



TYPE	SMART EKO 12	SMART EKO 15	SMART EKO 20	SMART EKO 25	SMART EKO 30
A	1250	1250	1250	1300	1300
B	545	545	545	590	590
C	1300	1300	1350	1350	1450
D	545	545	615	710	710
E	1100	1100	1150	1150	1250
E ₁	80	80	75	80	80
F	375	375	445	535	535
G	G ¾	G ¾	G ¾	G ¾	G ¾
H	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
I	160	160	160	160	180
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	140	140	140	140	140
L	115	115	115	115	115
M	680	680	680	680	680
N	610	610	620	620	620
O	140	140	140	140	140
P	-	-	-	-	-
R	-	-	-	-	-



PLATINUM CONTROLLERS are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation. The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- two mixing circulations, C.H.1 and C.H.2 with room thermostat;
- pump: C.H.1; C.H.2; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT



Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

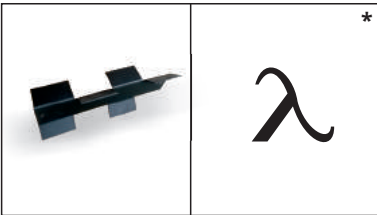
* ADDITIONAL EQUIPMENT



* We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

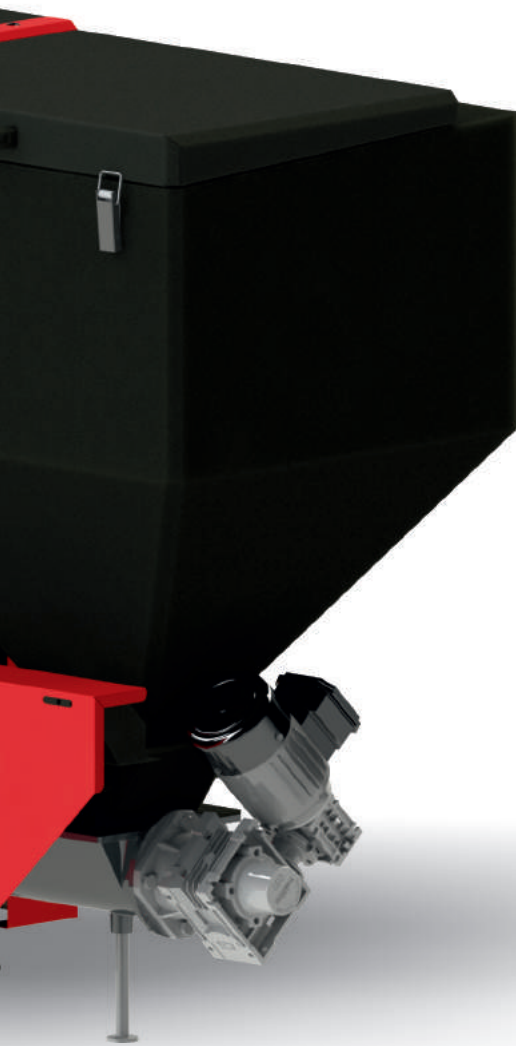
* ADDITIONAL EQUIPMENT



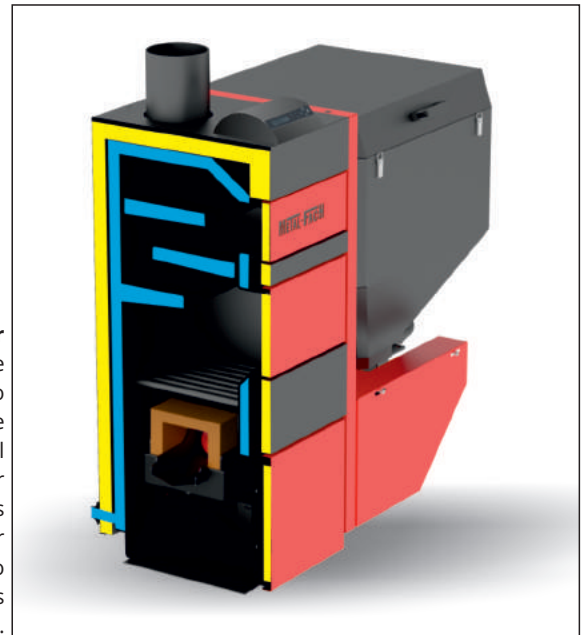
PELLET

SERIE SMART BIO

TECHNICAL SPECIFICATIONS >>>



Applied technology in boiler manufacturing. We guarantee the quality of the materials we use to manufacture our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers. Thanks to the boiler's three-section design, it is easier to install and transport directly to the boiler room. The boiler consists of a body, fuel dispenser and burner.



Guarantee of machine serviceability**

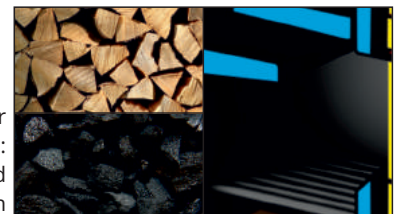
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual



An extra steel grill allows for a range of combustion:

- wood
- carbon



Chute burner

this innovative solution is for burning of pellet type fuel. Thanks to the application of an automatic, ceramic igniter, the machine becomes practically automatic. Burner parts exposed to contact with high temperature are made from heat-resistant steel. A chamotte screen is found on the wall opposite to the burner.

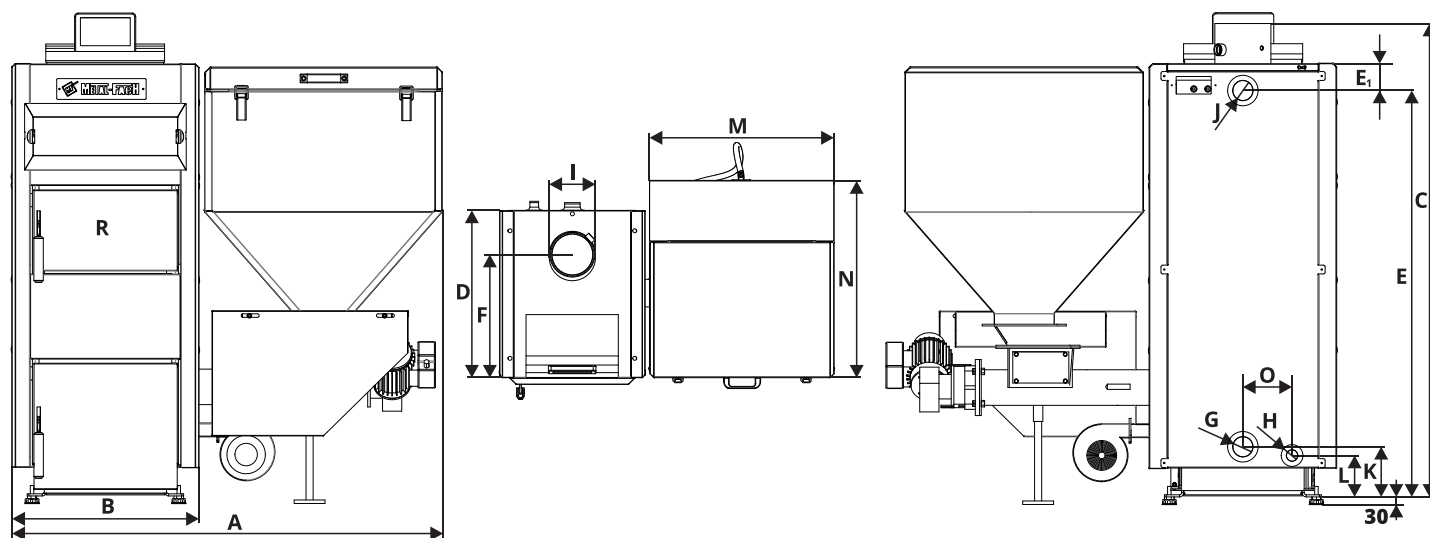




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler			
		SMART BIO 15	SMART BIO 20	SMART BIO 25	SMART BIO 30
Nominal thermal output pellet	[kW]	15	20	25	30
Boiler power range	[kW]	4,5-15	6-20	7,5-25	9-30
Heatable area	[m ²]	150	150-200	200-250	250-300
Heating surface	[m ²]	1,63	2,0	2,6	3,08
Boiler water capacity	[L]	48	60	71	80
Maximum working pressure	[Bar]	3	3	3	3
Maksymalna temperatura robocza	[°C]	95	95	95	95
Test pressure	[Bar]	4,5	4,5	4,5	4,5
Boiler efficiency	[%]	≤90	≤90	≤90	≤90
Single fuel load	[L]	240	240	240	240
Single fuel load	[kg]	145	145	145	145
Fuel	-	pellet Φ6-8, grain waste, wood, coal			
Power supply	-	~230V; 50Hz			
Power consumption at boiler nominal power	[W]	115	115	115	115
Temperature controller setting range	[°C]	60 - 85 (1 at a time)			
Required chimney flue	[Pa]	20	20	23	30
Boiler weight	[kg]	340	360	405	440

SERIES SMART BIO



TYPE	SMART BIO 15	SMART BIO 20	SMART BIO 25	SMART BIO 30
A	1250	1250	1300	1300
B	535	535	585	585
C	1300	1350	1350	1450
D	547	615	710	710
E	1100	1160	1160	1250
E ₁	80	75	80	80
F	380	450	545	530
G	G 1 ½	G 1 ½	G 1 ½	G 1 ½
H	G ¾	G ¾	G ¾	G ¾
I	160	160	160	180
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	140	140	140	140
L	115	115	115	115
M	615	615	615	615
N	710	710	710	710
O	140	140	140	140
P	220	220	220	220
R	-	-	-	-



PLATINUM CARBON controllers are very intuitive devices, allowing for fully automated and effective 24/7 boiler operation. The controller enables:

- programming of the real-time clock (RTC) for an entire week of work, in division into summer/winter work mode;
- weather control;
- Fuzzy Logic & PiD;
- expansion module*.

The controller supports:

- two mixing circulations, C.H.1 and C.H.2 with room thermostat;
- pump: C.H.1; C.H.2; D.H.W.; circulating; additional.

* ADDITIONAL EQUIPMENT



Room thermostat & Internet Module* provide the capability of installing two compatible devices operating both together with and separately from the PLATINUM controller:

- ecoNET internet module with the capability of boiler controller via application from computer, tablet and smartphone
- the room thermostat displays all information supplied by the boiler controller and makes it possible to introduce several changes from the thermostat.

* ADDITIONAL EQUIPMENT



Safeguards in the form of a limit switch are found in all doors and in the fuel dispenser cover. The safeguard causes immediate shutdown of boiler operation after a door or dispenser cover is opened.

in accordance with PN-EN 303-5 2012



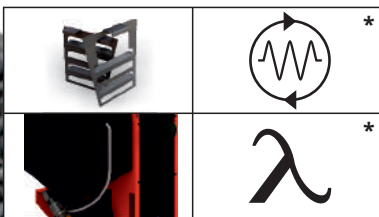
We will find **swirl vanes** in the boiler's convection channels. Thanks to their application, we increase the heat take-off from combustion gases.

The pressure equalization system prevents reversion of flame into the dispenser.

The cooling coil pipe* is a device found inside the boiler, serving for leading off excess heat in the case where the boiler overheats.

The Lambda probe* is situated in the boiler's flue, and thanks to continuous monitoring of flue gas composition, it makes it possible to select the amount of supplied air more accurately.

* ADDITIONAL EQUIPMENT

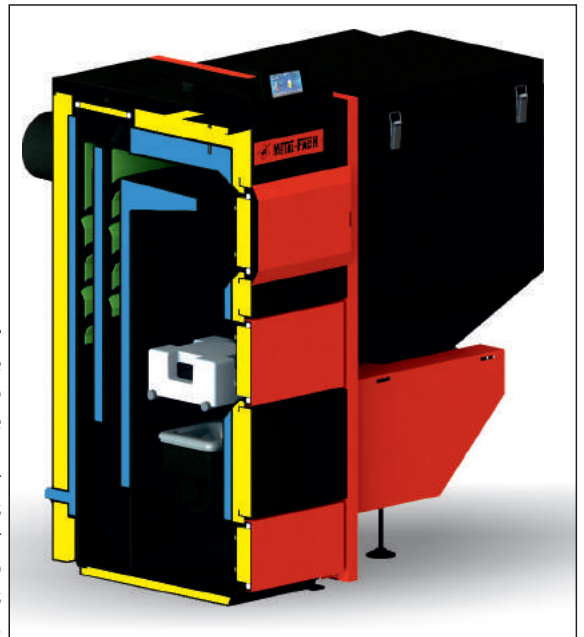


ECO-PEA COAL

SERIES SEG

TECHNICAL SPECIFICATIONS >>>

Applied technology in boiler manufacturing. We guarantee the quality of the materials we use to manufacture our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers. Thanks to the boiler's three-section design, it is easier to install and transport directly to the boiler room. The boiler consists of a body, fuel dispenser and burner.



Guarantee of machine serviceability**

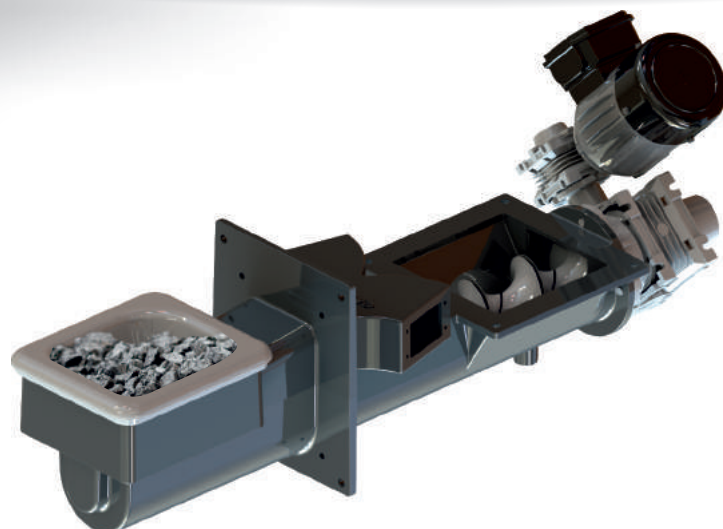
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual

Cast Iron Burner

this is a tried and tested design, reliable for burning eco-pea coal fuel. The burner is made completely from cast iron resistant to corrosion, abrasion and high temperature.

Fuel granulation 0-32 mm. The cast iron worm has a countercoil. A ceramic deflector is situated in the boiler above the burner.

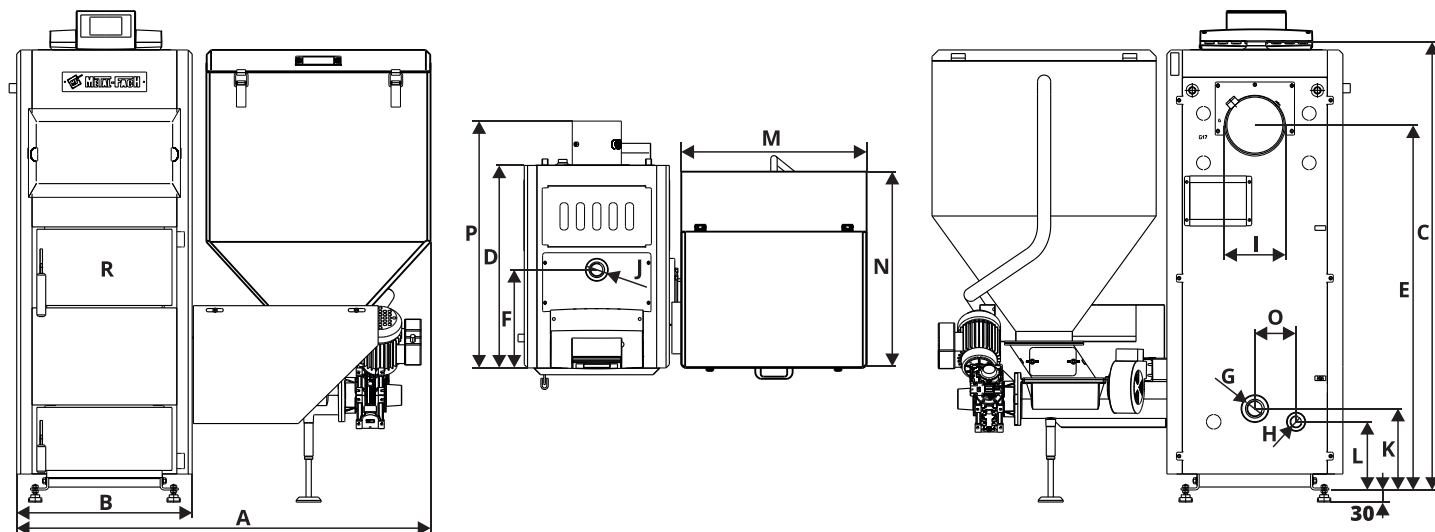




TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler					
		SEG 14	SEG 17	SEG 28	SEG 38	SEG 50	SEG 75
Nominal thermal output eco-pea coal	[kW]	14	17	28	38	50	75
Boiler power range	[kW]	4,2-14	5,1-17	8,4-28	10,5-38	15-50	22,5-75
Heatable area	[m ²]	140	140-170	170-280	280-380	380-500	500-750
Heating surface	[m ²]	2,1	2,54	2,85	3,11	5,41	6,75
Boiler water capacity	[L]	60	68	73	95	120	173
Maximum working pressure	[Bar]	3	3	3	3	3	3
Maximum working temperature	[°C]	95	95	95	95	95	95
Test pressure	[Bar]	4,5	4,5	4,5	4,5	4,5	4,5
EcoDesign	-	-	-	-	-	-	-
Boiler class	-	5	5	5	5	5	5
Boiler efficiency	[%]	≤90	≤90	≤90	≤90	≤90	≤90
Single fuel load	[L]	190	290	350	350	400	520
Single fuel load	[kg]	127	217	262	262	300	390
Fuel	-	eco-pea coal					
Power supply	-	~230V; 50Hz					
Power consumption at boiler nominal power	[W]	350	350	350	350	400	400
Temperature controller setting range	[°C]	60 - 85 (1 at a time)					
Required chimney flue	[Pa]	20	23	23	35	38	40
Boiler weight	[kg]	448	510	535	551	785	935

SERIES SEG



TYPE	SEG 14	SEG 17	SEG 28	SEG 38	SEG 50	SEG 75
A	1250	1250	1250	1290	1443	1505
B	535	535	535	585	681	793
C	1225	1420	1480	1480	1490	1440
D	758	793	845	845	1060	1175
E	910	1105	1160	1160	1110	1115
F	347	356	409	409	536	545
G	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
H	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
I	180	180	180	180	220	220
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	213	247	245	245	337	350
L	213	207	205	205	190	175
M	680	680	680	680	680	680
N	693	716	765	765	850	850
O	125	125	125	125	175	220
P	865	905	954	954	1218	1413
R	338x158	338x198	338x198	388x198	488x198	600x264



CONTROLLERS ecoSTER400 are devices with the most basic functions, enabling effective boiler operation.

The controller enables:

- division into summer/winter work mode;

The controller supports:

- pump: C.H.1; D.H.W.

* ADDITIONAL EQUIPMENT

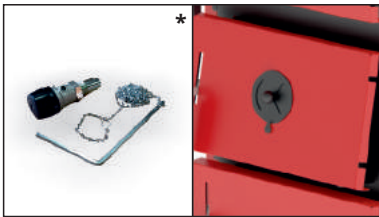


The **grate clear lever** makes it possible to quickly clear ash from the grate before it is loaded again.

(SE MAX 13-35kW).

Blow-in set assisting burning of fuel.

* ADDITIONAL EQUIPMENT



Draught gauge makes it possible to adjust the draught.

Secondary air damper enables adjustment of air flow to the furnace.

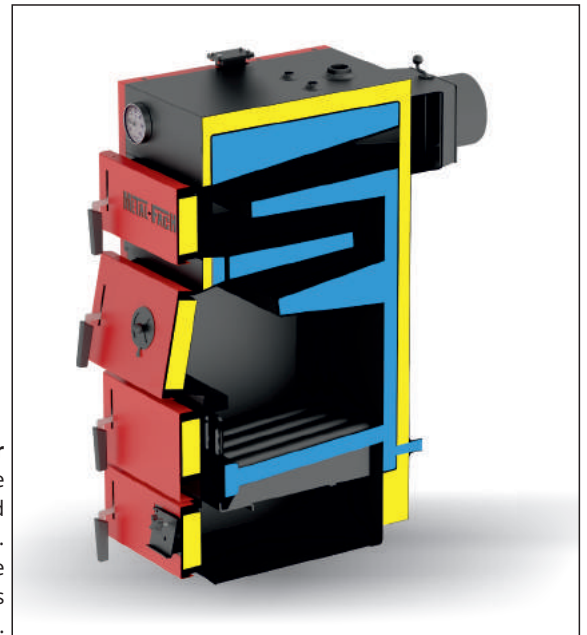
* ADDITIONAL EQUIPMENT



WOOD

SERIES SE MAX II

TECHNICAL SPECIFICATIONS >>>



Applied technology in boiler manufacturing. We guarantee the quality of the materials used in the manufacture of our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers.



Guarantee of machine serviceability**
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual



The steel water-cooled grate makes it possible to burn fuels like wood and coal. Thanks to the large furnace chamber, which was additionally enlarged, we can fit an amount of fuel that lasts for many hours of work.



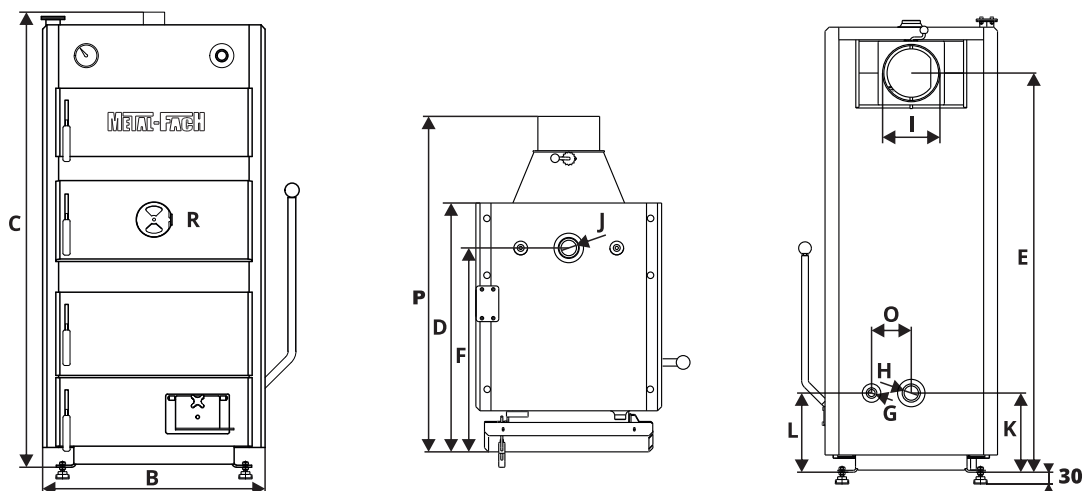
COAL



TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler						
		SE MAX II 10	SE MAX II 13	SE MAX II 15	SE MAX II 20	SE MAX II 25	SE MAX II 30	SE MAX II 35
Nominal thermal output coal	[kW]	10	13	15	20	25	30	35
Heatable area	[m ²]	100	100-130	130-150	150-200	200-250	250-300	300-350
Heating surface	[m ²]	0,85	1,15	1,56	2,19	2,27	2,48	2,70
Boiler water capacity	[L]	30	41	56	71	87	93	111
Maximum working pressure	[Bar]	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Maximum working temperature	[°C]	85	85	85	85	85	85	85
Test pressure	[Bar]	3	3	3	3	3	3	3
Boiler efficiency	[%]	≤81	≤81	≤81	≤81	≤81	≤81	≤81
Fuel	-	wood, coal						
Required chimney flue	[Pa]	20	20	20	23	23	23	25
Boiler weight	[kg]	160	198	260	330	350	370	395

SERIES SE MAX II



TYPE	SE MAX II 10	SE MAX II 13	SE MAX II 15	SE MAX II 20	SE MAX II 25	SE MAX II 30	SE MAX II 35
A	-	-	-	-	-	-	-
B	435	435	450	510	530	580	630
C	960	1120	1205	1260	1260	1260	1260
D	560	615	695	805	805	805	805
E	770	915	1035	1090	1090	1090	1090
F	380	435	550	670	670	670	670
G	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
H	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
I	160	160	180	180	180	180	180
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	185	190	255	255	255	255	255
L	170	175	240	240	240	240	240
M	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-
O	100	100	125	125	125	125	125
P	725	780	920	1030	1030	1030	1030
R	238x190	238x190	258x190	318x238	338x238	388x238	438x238



CONTROLLERS ecoSTER400 are devices with the most basic functions, enabling effective boiler operation.

The controller enables:

- division into summer/winter work mode;

The controller supports:

- pump: C.H.1; D.H.W.

* ADDITIONAL EQUIPMENT



The grate clear lever makes it possible to quickly clear ash from the grate before it is loaded again.

(SDG 11-32kW).

Blow-in set* assisting burning of fuel.

* ADDITIONAL EQUIPMENT



Draught gauge* makes it possible to adjust the draught.

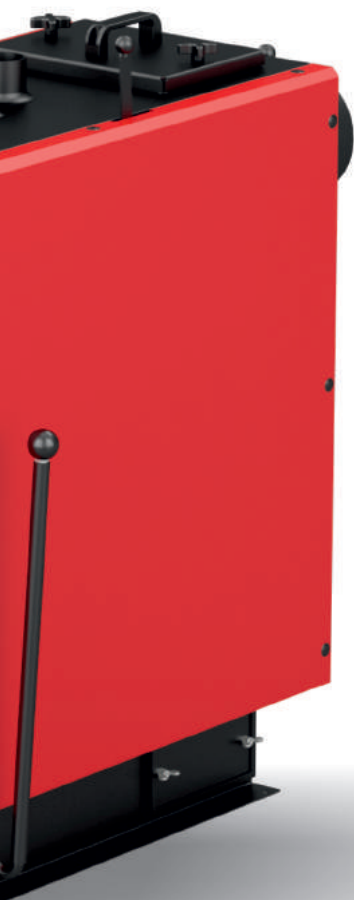
* ADDITIONAL EQUIPMENT



WOOD

SERIES SDG

TECHNICAL SPECIFICATIONS >>>



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Guarantee of machine serviceability**
A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual



The steel water-cooled grate makes it possible to burn fuels like wood and coal. Thanks to the large furnace chamber, we can fit an amount of fuel enabling many hours of work.



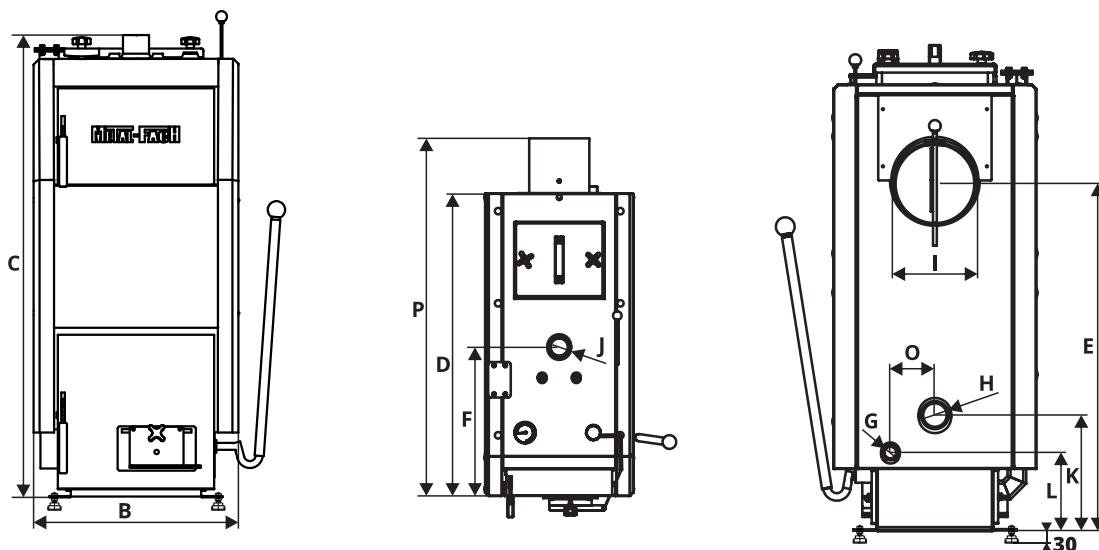
COAL



TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler						
		SDG 11	SDG 13	SDG 16	SDG 19	SDG 25	SDG 32	SDG 38
Nominal thermal output coal	[kW]	14	16	19	23	30	40	45
Heatable area	[m ²]	140	140-160	160-190	190-230	230-300	300-400	400-450
Heating surface	[m ²]	1,4	1,65	1,75	1,85	2,15	2,4	2,9
Boiler water capacity	[L]	41	49	53	62	69	76	90
Maximum working pressure	[Bar]	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Maximum working temperature	[°C]	85	85	85	85	85	85	85
Test pressure	[Bar]	3	3	3	3	3	3	3
Boiler efficiency	[%]	≤81	≤81	≤81	≤81	≤81	≤81	≤81
Fuel	-	wood, coal						
Required chimney flue	[Pa]	20	20	20	23	23	35	35
Boiler weight	[kg]	230	255	260	289	315	345	375

SERIES SDG



TYPE	SDG 11	SDG 13	SDG 16	SDG 19	SDG 25	SDG 32	SDG 38
A	-	-	-	-	-	-	-
B	420	420	420	470	470	470	520
C	860	950	960	960	1060	1110	1160
D	840	840	900	900	900	960	1020
E	650	750	750	750	850	900	950
F	450	450	475	475	630	610	725
G	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
H	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
I	180	180	180	180	180	180	180
J	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
K	190	190	190	190	190	190	190
L	190	190	190	190	190	190	190
M	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-
O	105	90	90	100	120	110	130
P	1040	1040	1100	1100	1100	1160	1220
R	240x200	240x200	240x200	290x200	290x200	290x225	340x250



CONTROLLERS ecoSTER400 are devices with the most basic functions, enabling effective boiler operation.

The controller enables:

- division into summer/winter work mode;

The controller supports:

- pump: C.H.1; D.H.W.

* ADDITIONAL EQUIPMENT

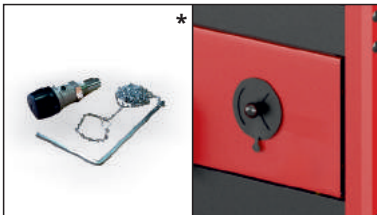


The grate clear lever makes it possible to quickly clear ash from the grate before it is loaded again.

(SE 45kW).

Blow-in set assisting burning of fuel.

* ADDITIONAL EQUIPMENT



Draught gauge makes it possible to adjust the draught.

Secondary air damper enables adjustment of air flow to the furnace.

* ADDITIONAL EQUIPMENT



WOOD

SERIES SE

TECHNICAL SPECIFICATIONS >>>

Applied technology in boiler manufacturing. We guarantee the quality of the materials used in the manufacture of our products. We use only attested, high-grade boiler steel with a thickness of 6 mm in our boilers.



Guarantee of machine serviceability.**

A 5-year guarantee is provided upon purchase of a machine.

** Warranty conditions in the manual



The steel water-cooled grate makes it possible to burn fuels like wood and coal. Thanks to the large furnace chamber, we can fit an amount of fuel enabling many hours of work.



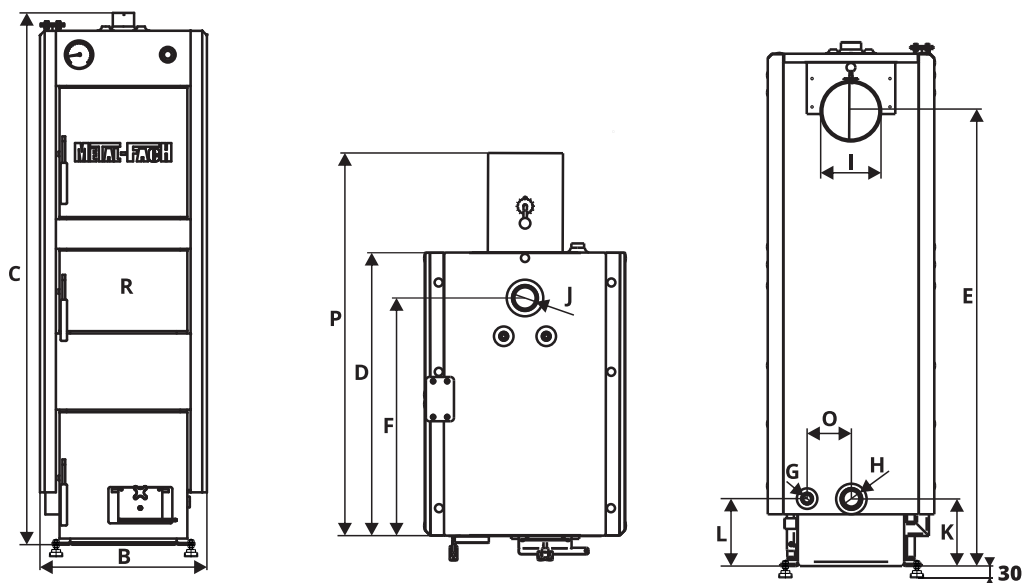
COAL



TECHNICAL SPECIFICATIONS

Parameters	Unit	Type of boiler							
		SE 45	SE 52	SE 60	SE 80	SE 100	SE 120	SE 150	SE 200
Nominal thermal output coal	[kW]	45	52	60	80	100	120	150	200
Heatable area	[m ²]	380-450	450-520	520-600	600-800	800-1000	1000-1200	1200-1500	1500-2000
Heating surface	[m ²]	3,4	3,8	4,5	6,9	8,0	9,2	10	18,32
Boiler water capacity	[L]	90	105	115	260	290	316	330	713
Maximum working pressure	[Bar]	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Maximum working temperature	[°C]	85	85	85	85	85	85	85	85
Test pressure	[Bar]	3	3	3	3	3	3	3	3
Boiler efficiency	[%]	≤81	≤81	≤81	≤81	≤81	≤81	≤81	≤81
Fuel	-	wood, coal							
Required chimney flue	[Pa]	32	38	38	40	40	45	45	50
Boiler weight	[kg]	438	480	521	850	1015	1090	1160	2050

SERIES SE



TYPE	SE 45	SE 52	SE 60	SE 80	SE 100	SE 120	SE 150	SE 200
A	-	-	-	-	-	-	-	-
B	530	580	680	770	860	860	860	1550
C	1530	1530	1530	1830	1910	2110	2110	2410
D	800	800	800	1120	1170	1170	1270	1700
E	1330	1330	1330	1690	1780	1980	1980	1915
F	584	584	584	480	660	655	655	1300
G	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
H	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
I	200	200	200	250	250	250	250	350
J	G 1 ½	G 1 ½	G 1 ½	G 2	G 2	G 2	G 2	101,6
K	225	225	225	195	180	180	180	1080
L	175	175	185	100	155	155	155	170
M	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-
O	130	160	210	185	234	234	234	560
P	960	960	960	1550	1580	1580	1580	2230
R	340x200	390x200	490x200	540x300	640x300	640x300	640x300	624x468



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