BIODOM

BIO LOGIC

BIODOM 27A

PELLET BOILER + IQ2

Instructions for use, maintenance and installation



October 2021
EN

BIODOM

COVER

We thank you for buying a Biodom boiler. Please read all the instructions before installing and using your Biodom pellet boiler. Combustion appliances (hereinafter, "Pellet Boiler" or "Boiler") from Biodom 27 d.o.o. (hereinafter Biodom) are manufactured and tested in accordance with the safety requirements of the applicable European directives. This instructions are for the end users, installers and authorised service technicians of Biodom boilers. If you have any doubts about the instructions for use, or need any clarification, please contact the manufacturer or an authorised person from Biodom 27 d.o.o. directly.

INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE OF THE BOILER

Combustion appliances (hereinafter referred to as "pellet boiler" or "boiler") of the company Biodom27 d.o.o. (hereinafter Biodom) are manufactured and tested in accordance with the safety requirements of the applicable European directives.

These instructions are intended for end users, installers and authorized repairers of the Biodom pellet stove, which is shown on the title page of this user manual.

If you have any doubts about the instructions for use or need any clarification, please contact the manufacturer or an authorized person of Biodom d.o.o When doing so, always indicate the chapter number where the ambiguities occurred.

Printing, translation or reproduction, even if only in part, of the instructions for use is possible only with the approval of Biodom d.o.o The transfer of technical data, values and specifications from these operating instructions to third parties is not permitted.

IMPORTANT: The appliance may only be connected to the mains by a suitably qualified and authorised person. The connection must be made in accordance with the applicable regulations.

This device is not suitable for people (including children) with reduced physical, motor or mental abilities or people with limited knowledge and experience, when they are not under the control of persons responsible for their safety or care.
The device is not a toy. Do not leave children unattended near the appliance.

DUAL COMBUSTION SYSTEM

The flame produced by the proper combustion of wood biomass inside the boiler emits the same amount of carbon dioxide (CO_2), as if emitted in the natural decomposition of wood.

The amount of CO_2, produced by the combustion or decomposition of wood, corresponds to the amount of CO_2, which the tree obtains from the environment during its lifetime and then converts it into oxygen and carbon.

In contrast to the exploitation of wood, the use of non-renewable energy sources (coal, heating oil, gas) releases huge amounts of CO into the air.$_2$, which accumulates over millions of years and increases greenhouse gases. The use of wood as a fuel is perfectly balanced with the environment, as wood as a renewable resource is in ecological coexistence with nature.

The principle of clean combustion fully satisfies all environmental requirements, and Biodom d.o.o. founded all of its own development on this basis.

What do we understand as proper combustion and how does it work?

Controlling and adjusting the primary air and supplying a secondary airflow causes secondary combustion. This provides a secondary flame that is naturally brighter and stronger than the primary flame. The supply of new oxygen (via the addition of air) allows the further combustion of gases that have not been completely burned. In this way, there is a significant increase in thermal efficiency and a reduction in harmful emissions of carbon monoxide (CO), as the proportion of partial combustion is also reduced. These are the basic features that distinguish pellet boilers and other Biodom products.

BIODOM 27 d.o.o.
OIC Hrpelje 4a, 6240 Kozina, Slovenija,
ID for VAT: SI71987657, Tel.: +386 5 680 14 56,
E-mail: info@biodom27.si, www.biodom27.si

PLEASE SEND A COMPLETED AND SIGNED COPY OF THE WARRANTY DOCUMENT TO BIODOM 27 d.o.o
(condition for warranty validity)!

WARRANTY

Product type		Serial no.	
Seller		Date of sale	
Invoice no.			

BUYER

Name, surname			
Street, house no.			
Place, postcode			
Tel. no.		MOBILE	
Email			

Customer's consent to the use of personal data

Pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data, through mediation or filling in personal and other data (name and surname, address of residence, tel. no. and e-mail address): I declare that I am acquainted with and agree and expressly allow the use of my personal data for business purposes - for management and processing in the database of Biodom 27 d.o.o. and for telephone, written and electronic communication, whereby the company Biodom 27 d.o.o. may use different communication channels (e.g. telephone, regular mail, e-mail).

By signing, the buyer / user allows the company Biodom 27 d.o.o. to forward the said personal data to authorised third parties (co-contractors), but only for the purposes arising from the document in question.

Biodom 27 d.o.o undertakes to protect the personal data of the buyer / user from disclosure and distribution to unauthorised persons.

Biodom 27 d.o.o The collected personal data is collected and processed in accordance with the provisions of the law governing the protection of personal data.

By signing this Warranty Card, the buyer / user voluntarily, explicitly, knowlingly and unambiguously expresses consent to the management and processing of the said personal data for the business purposes of the company Biodom 27 d.o.o. The customer / user may revoke his consent to the management and processing of his personal data at any time.

Customer's statement of acquaintance with the instructions for proper use and maintenance and the warranty conditions of the product

I, the buyer / user, declare that I am familiar:

- with the basic characteristics of the purchased pellet boiler;
- with instructions for the use, maintenance and installation of the pellet boiler;
- with safety warnings for the user;
- with how to properly clean and maintain the pellet boiler;
- with components that require additional maintenance;
- with instructions on what kind of pellets I can use and with the method for proper storage of pellets;
- with boiler operating modes;
- with instructions on when to call a service technician and whom to contact in the event of a boiler failure;
- with the warranty conditions.

The buyer / user declares: I am aware of the alarm statuses of the boiler, which are recorded in the instructions for use, maintenance and installation of the boiler. I am also aware of the extent to which I can take care of the maintenance and proper operation of the boiler myself and other cases in which case it is necessary to call a service technician. If the service technician, after a call from the customer / user, performs an activity on the boiler that the customer / user should perform himself, such intervention shall be charged to the customer / user.

Customer / user's signature: _____

DEVICE INSTALLATION *(TO BE COMPLETED BY THE INSTALLER'S COMPANY)*

Date of installation			
Name of installer's company			
Address, postal code			
Tel. no.		MOBILE	
E-mail address			
Name, surname of installer			
Serial number			
Stamp and signature of installer			

Special features:

STARTING THE DEVICE *(TO BE COMPLETED BY AN AUTHORISED SERVICE COMPANY)*

Launch date			
Name of authorised service company			
Address, postal code			
Tel. no.		MOBILE	
E-mail address			
Name and surname of service technician			
Serial number			
Stamp and signature of service technician			

Special features:

BIODOM 27 d.o.o.
OIC Hrpelje 4a, 6240 Kozina, Slovenija,
ID for VAT: SI71987657, Tel.: +386 5 680 14 56,
E-mail: info@biodom27.si, www.biodom27.si

WARRANTY

Product type		Serial no.	
Seller		Date of sale	
Invoice no.			

BUYER

Name, surname			
Street, house no.			
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Email			

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Customer's statement of acquaintance with the instructions for proper use and maintenance and the warranty conditions of the product

I, the buyer / user, declare that I am familiar:

- with the basic characteristics of the purchased pellet boiler;
- with instructions for the use, maintenance and installation of the pellet boiler;
- with safety warnings for the user;
- with how to properly clean and maintain the pellet boiler;
- with components that require additional maintenance;
- with instructions on what kind of pellets I can use and with the method for proper storage of pellets;
- with boiler operating modes;
- with instructions on when to call a service technician and whom to contact in the event of a boiler failure;
- with the warranty conditions.

The buyer / user declares: I am aware of the alarm statuses of the boiler, which are recorded in the instructions for use, maintenance and installation of the boiler. I am also aware of the extent to which I can take care of the maintenance and proper operation of the boiler myself and other cases in which case it is necessary to call a service technician. If the service technician, after a call from the customer / user, performs an activity on the boiler that the customer / user should perform himself, such intervention shall be charged to the customer / user.

Customer / user's signature: _____

DEVICE INSTALLATION *(TO BE COMPLETED BY THE INSTALLER'S COMPANY)*

Date of installation			
Name of installer's company			
Address, postal code			
Tel. no.		MOBILE	
E-mail address			
Name, surname of installer			
Serial number			
Stamp and signature of installer			

Special features:

STARTING THE DEVICE *(TO BE COMPLETED BY AN AUTHORISED SERVICE COMPANY)*

Launch date			
Name of authorised service company			
Address, postal code			
Tel. no.		MOBILE	
E-mail address			
Name and surname of service technician			
Serial number			
Stamp and signature of service technician			

Special features:

Notes:

Roko / Patro room thermostats (last 4 digits on the receiver)

Receiver 1 code -

Receiver 2 code -

Receiver 3 code -

BIODOM

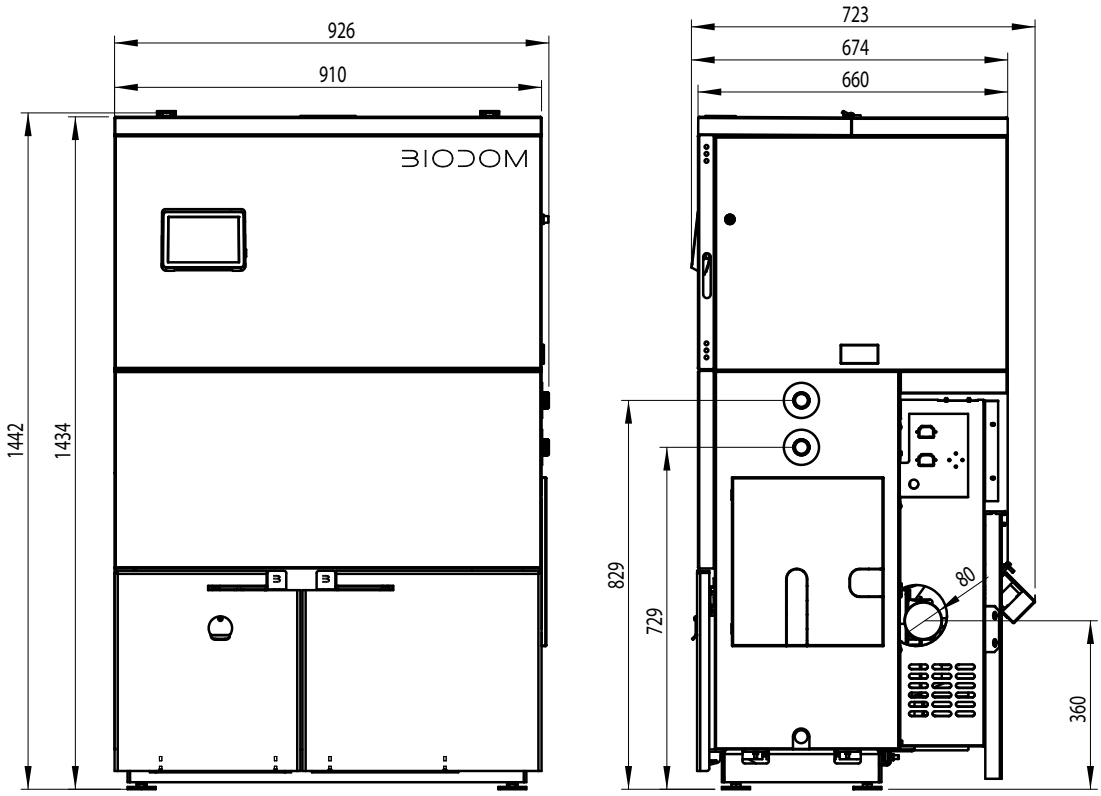
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1. TECHNICAL CHARACTERISTICS OF THE BIODOM 27 A MODEL

	Minimal	Nominal
Thermal power	7.8 kW	26.9 kW
Yield	90.50 %	90.80 %
CO emissions (at 10%$_2$)		33 mg/m³
Fuel	Pellets C1	
Boiler class (fuel)	C1	
Boiler class according to EN 303-5: 2012	5	
Chimney connection	Ø80 mm	
Volume of water in the boiler	72 l	
Boiler water temperature	65 °C – 80 °C	
Maximum boiler water temperature	95 °C	
Maximum permissible working pressure	2.5 bar	
Firebox volume xxxxxxxxxxxxx	72 l	
Weight	299 kg	
Power supply		220-230 V
Frequency		50 Hz
Lowest consumption of electrical energy during boiler operation		40 W
Maximum consumption of electrical energy at boiler ignition		300 W
Ingress Protection		IP20
The boiler operates with two fans		
The boiler operates according to the mode of under-pressure combustion		
The boiler operates without condensation conditions		
Noise does not exceed 70dB		

2. DIMENSIONS OF BIODOM BOILER 27 A



3. PURPOSE OF THE INSTRUCTIONS FOR USE

The purpose of the instructions for use is to acquaint the user with all the necessary measures and equipment necessary to ensure the safe and correct use of the combustion device.

3.1. UPDATES

These instructions reflect the state of the art of the product at the time the boiler was manufactured.

The instructions do not apply to products that are already on the market with the appropriate technical documentation and cannot be considered defective or insufficient after any change, adaptation or application of new technologies on newer products.

You should read and follow the contents of this booklet carefully. All the information contained in this booklet is necessary for the proper installation, use and maintenance of your boiler.

Instructions should be stored carefully and safely. Instructions for use, maintenance and installation are an integral part of the pellet boiler unit.

If ownership of the unit is transferred to another person, these operating instructions must be handed over together with the boiler.

If the instructions are lost, you can ask the manufacturer, authorised dealer or service centre for a new copy.

4. MANUFACTURER'S LIABILITY

By supplying these instructions, Biodom 27 d.o.o. declines any civil or criminal liability, both directly and indirectly due to:

- accidents that have occurred due to non-compliance with the standards and specifications set out in these instructions;
- accidents caused by unauthorised and improper use by the user;
- accidents caused by changes and repairs not approved by the manufacturer Biodom 27 d.o.o;
- poor maintenance;
- contingencies;
- accidents resulting from the use of inappropriate or non-original spare parts.

The installer is fully responsible for the installation.

4.1. BASIC PREVENTIVELY REQUIRED STANDARDS

Biodom 27 A is manufactured in accordance with the following standards:

- EC MACHINERY DIRECTIVE (2006/42 / EC);
- EC LOW VOLTAGE EQUIPMENT DIRECTIVE (2014/35 / EC);
- EC DIRECTIVE ON ELECTROMAGNETIC COMPATIBILITY (2014/30 / EC);
- EC DIRECTIVE ON SOLID FUEL HEATING BOILERS UP TO A MINIMUM POWER OF 500 KW; EN 303-5

Harmonised standards:

- SIST EN ISO 12100-1: 2004 in A1: 2010;
- SIST EN ISO 12100-2: 2004 in A1: 2010;
- SIST EN 303-5: 2012;
- 61000-6-3: 2007;
- 61000-6-2: 2005;
- 61000-3-3: A1 2002;
- 61000-3-3: A2 2006;
- EN 60204-1: 2006 and A1:2009.

4.2. TRANSPORTING AND MOVING THE PELLET BOILER

Pay attention to your safety when moving the boiler.

Before transporting and moving the boiler, which must take place in complete safety, first make sure that the load capacity of the transport equipment is suitable. Avoid jeerky and / or sudden movements of the boiler.

DISPOSE OF ALL PACKAGING MATERIAL AWAY FROM THE REACH OF CHILDREN. THERE IS A RISK OF SUFFOCATION WITH A BAG, CLING-FILM, POLYSTYRENE ...

4.3. RESPONSIBILITY OF THE INSTALLER

It is the responsibility of the installer to check the suitability of the installation and piping, to ensure air supply for combustion, to ensure the prescribed distances of the heating device from the walls and other things in the room where the device is installed and the introduction of all other necessary solutions required.

It is the responsibility of the installer to ensure that the installation of the pellet boiler complies with the current local legislation where the boiler is installed.

The use of a pellet boiler must comply with the instructions given in the Instructions for use, maintenance and installation and with all safety standards specified in the local legislation where the pellet boiler is installed.

The UNI 10683 standard specifies the duties of an installer. The installer must check:

- the type of device to be installed;
- suitability of the space for installation of the unit, which is reflected in the minimum required size of the space where the boiler will be built on pellets;
- the manufacturer's instructions regarding the combustion appliance relating to flue gas discharge requirements;
- the inner diameter of the chimney, what material it is made of, whether the level or even and free of obstructions;
- height and, if necessary, vertical extension of the chimney;
- the existence and suitability of the resistance of the chimney cover;
- possibility of outside air supply;
- the possibility of simultaneous use of the generator for connection with other equipment.

If the results of all the above checks are positive, installation can begin. Carefully follow the instructions provided by the manufacturer as well as applicable safety and fire safety standards.

When the boiler has been started for the first time, a test of at least 30 minutes must be carried out to verify all the necessary requirements.

When the installation is complete, the installer must provide the customer with the following:

- Instructions for use, maintenance and installation from the manufacturer (if they are not already part of the unit);
- required documentation in accordance with applicable standards,
- perform customer training to operate and regularly maintain and clean the device.

5. INSTALLATION

The responsibility for the preparation work carried out in the room lies solely with the customer.

Before starting the installation, the installer must check all the necessary legal safety standards, in particular:

- Check that the installation norms for pellet boilers meet local, national and European standards.
- Follow the requirements of this document.
- Check that the pipes and air supply are in accordance with the type of installation.
- Do not make temporary electrical connections or use unsuitable cables.
- Check the earthing of the electrical system.
- Always use individual safety equipment and all the legally required protection.
- Always leave enough space for maintenance work.
- To connect the boiler to the chimney, it is necessary to obtain the consent of a chimney sweep.
- After installation, measure the flue gas emissions.

5.1. PLACEMENT

It is recommended to remove the packaging of the pellet boiler when the boiler is located where it will be installed.

If adjacent walls and / or floors are made of non-heat-resistant material, adequate protection must be provided and insulation made of non-combustible material must be used.

To protect a floor that is made of combustible material, we advise you to place a metal plate 3 to 4 mm thick under the boiler, which exceeds the depth of the boiler on the front by at least 30 cm.

The pellet boiler should be installed in accordance with the sketch, which defines the distances from the walls(Figure 1).

If the boiler is installed in a boiler room, where air extraction devices are already located, (other boilers, various intake fans, etc.) make sure that the volume of supply air is large enough for the safe operation of the combustion device.

If the chimney goes through the ceiling, it must be adequately insulated with a diaphragm made of non-combustible insulating material.

When the pellet boiler is being put in its final position, it must be levelled with the support feet (placed in a horizontal position).

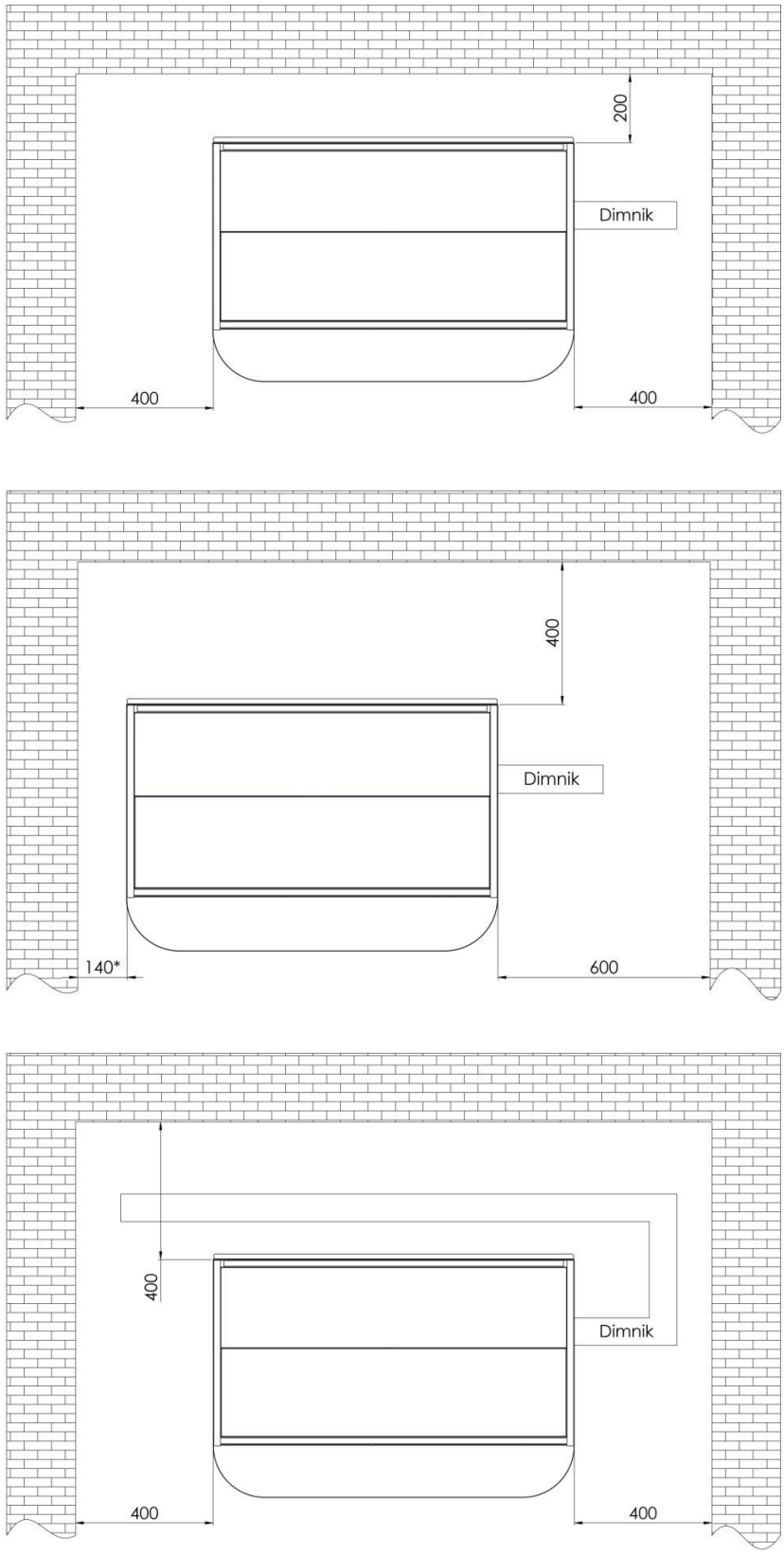


Figure 1. Minimal deviations of the boiler from the walls of the boiler room

The flue gas outlet MUST NOT BE CONNECTED TO:
- Exhaust pipe that is used by other combustion appliances (boilers, stoves, fireplaces, etc.);
- Ventilation systems (hoods, vent fans, etc.).

It is forbidden to install chimney draft stabilisers!
Chimney connection Ø80mm from the pellet boiler to the chimney should be:
- maximum 5m long (in the case of a longer connection, the dimension of the connecting pipe should be increased to Ø130mm);
- each elbow at a 90 ° angle requires a 1m shorter chimney connection;
- each elbow must be fitted with a cleaning door;
- the joints between the connecting pipes must be sealed.

If there is too much resistance in the exhaust system (many elbows, unsuitable terminals, bottlenecks, etc.), flue gas discharge is impeded, so it is necessary to increase the diameter of the connecting pipes and elbows, i.e. to Ø130 mm. Similarly, where the chimney does not allow the proper discharge of flue gases, it may result in a malfunction and trigger the alarm of the boiler Biodom 27 A. It is recommended that the chimney be inspected by a professional before installation of the Biodom 27 A boiler.

The flue gas exhaust system from the pellet boiler works on the basis of the under-pressure in the boiler and the slight over-pressure pressure in the flue connection pipe Ø80mm. It is very important that the flue gas outlet be sealed.

It is necessary to analyse the layout and structure of the room where the chimney is located. If it passes through a wall and / or roof, it must be properly installed in accordance with fire safety standards.

Make sure there is sufficient air supply in the room where the pellet boiler installed, for proper combustion. If the Biodom 27 A boiler lacks sufficient oxygen-air, an alarm will appear on the boiler. For external intake or outside air supply you need a pipe with a diameter of at least 110mm and a maximum length of 10m. For every elbow at an angle of 90 ° it is necessary to deduct 1m from the length. If the air intake is longer, the diameter of the air supply pipe must be increased.

In the case of a grille on the façade, the intake opening must be 100 cm² or larger.

The device operates at 220V-50Hz. Check that the electrical cables are not located under the boiler and that they are far away from hot surfaces and do not touch sharp parts that can damage them. If the pellet boiler operates under excessive voltage, the service life of electrical components is much shorter.

Never switch off the boiler by unplugging the electrical cable from the socket while the boiler is still operating. This can damage the boiler and seriously jeopardise its proper operation.

5.2. FLUE GAS EXTRACTION

The flue gas discharge must be in accordance with the applicable regulations. Flue gas pipes should not be connected together with exhaust pipes from any other combustion appliance(-Figure 2). It is not permitted to discharge the flue gases into closed and / or semi-enclosed spaces such as: garage, narrow passages or corridors, underpasses or any other similar premises. If the chimney connection is not suitable, the installation must be carried out in accordance with the requirements described above (point 3.1).

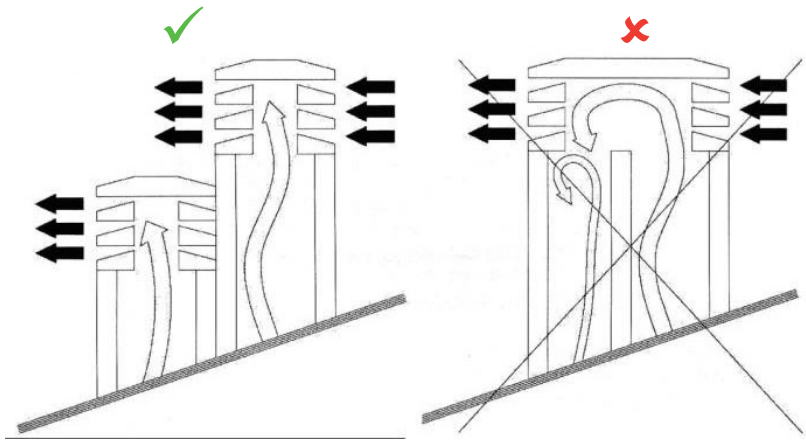


Figure 1.

The chimney must be earthed in accordance with the applicable regulations. (Earthing connection may be required by local legislation).
The earthing must be independent of the combustion unit.

As for dimensions and the material from which it is made, a chimney must comply with standards UNI 9615- 9731, UNI 10683 - EN1856-1.

Chimneys that are in poor condition and / or made of unsuitable material (asbestos, galvanised sheet metal, etc., with a rough or porous surface) are inconsistent with the law and endanger the operation of the boiler.

Smoke can be discharged through a traditional chimney (see picture below) provided that the following rules are followed:

- Check the state of chimney maintenance. Contact the chimney sweep for proper maintenance and / or renovation.
- The flue gas outlet can be routed directly to the chimney only if it has maximum dimensions of 20 x 20 cm or a diameter of 20 cm and is equipped with an opening for inspection.
- In case the chimney is of larger dimensions, it is necessary to insert a stainless steel pipe (with the required diameter), which is correctly insulated.
- Make sure that the connection to the chimney is properly sealed.
- Avoid contact with combustible material (such as wood charcoal, etc.), and in any case insulate them with fire-resistant material.

When using connections between the pellet boiler and the chimney, it is mandatory to use elbows with cleaning doors(Figure 3). Using elbows with cleaning doors allows regular cleaning without having to dismantle the pipes. The exhaust gases in the chimney connection are slightly below pressure, so it is mandatory to check that the doors for cleaning the ashes are

completely hermetically sealed and remain so after any cleaning. Make sure everything is put together correctly again and check the condition of the seal.



Figure 2. Cleaning piece

The connection between the pipes should always be with the male connection facing down(-Figure 4).

It is advisable to avoid prolonged horizontal pipe connections to the chimney. If this is not possible, the pipes should not be placed at a downward angle, but at an upward slope of at least 5%.(Figure 5). The horizontal placement of the pipe should not exceed 2m in length.

It is not recommended to run the pipes from the pellet boiler directly to the chimney with a horizontal pipe longer than 1m.

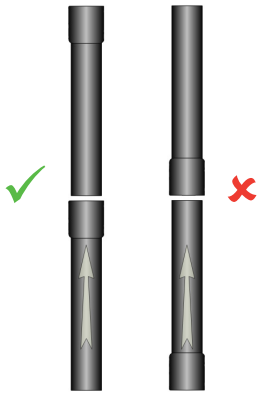


Figure 3.

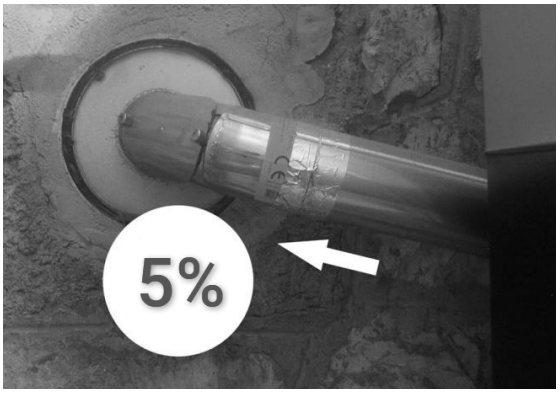


Figure 4.

5.3. INSULATION AND DIAMETER OF HOLES IN THE ROOF

When the position for installing the boiler is known, it is necessary to make a hole for the passage of the flue pipes. This varies depending on the type of installation, the diameter of the chimneys and the type of wall or roof through which it must be led. The insulation must be of mineral origin (rock wool), with a nominal density of more than 80 kg/m2.

The perfect draft depends mainly on the chimney, which must be free of obstacles such as bottlenecks and / or various corner connectors. The elbows should be at an angle of 30 °, 45 ° or 90 °. The 90 ° elbows should be in three parts(Picture 6).

In any case, it is mandatory to provide an initial vertical pipe of at least 1.5 m. This is the only way to ensure proper flue gas discharge.

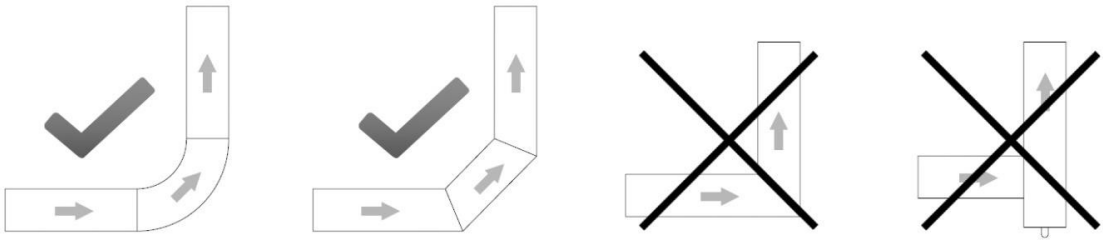


Figure 2.

5.4. SUPPLY AIR

The air from the room needed for proper combustion must be restored with new air, either through an openingon the wall, gaps in the boiler room door or a mesh on the window. This will ensure proper combustion and proper operation of the boiler.

The fresh air inlet must be equipped with a protective slot against rain, wind and insects. The hole must be made on the outer wall of the room where the boiler is located.

The UNI 10683 standard prohibits the intake of supply air from the warehouse with combustible materials or rooms where there is a possibility of fire.

In case there are other heating devices in the room, it is necessary to provide sufficient amount of air required for the proper combustion of all combustion appliances and to take into account all the technical characteristics of the already installed ventilation systems in the boiler room.

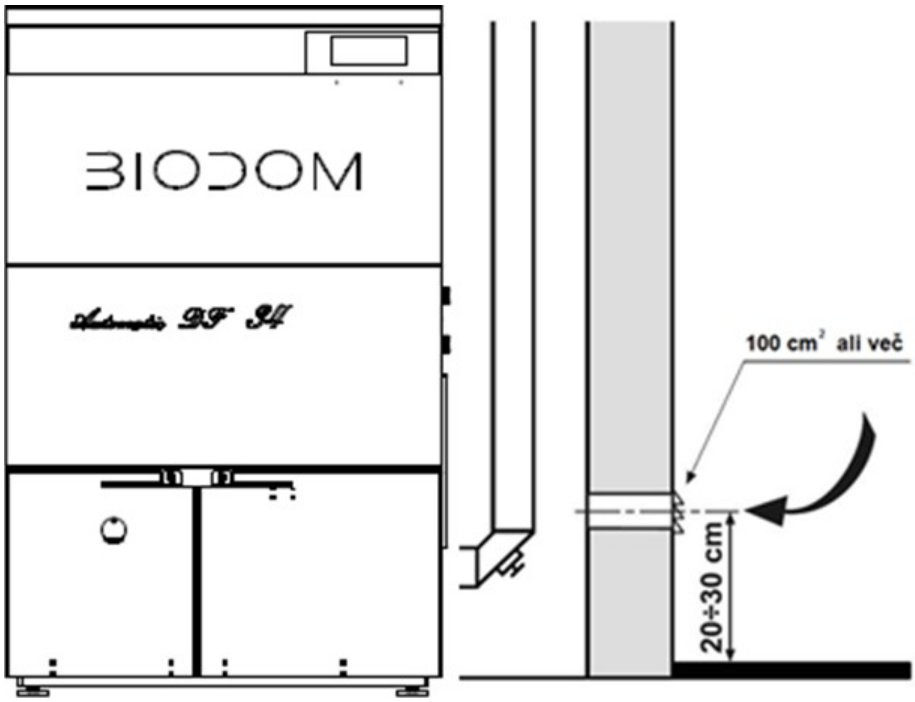


Figure 3.

5.5. ELECTRICAL CONNECTION

The pellet boiler is connected to the mains. The boiler power supply cable is 3m long, white and marked with the label "220 V". Other cables are connected to IQ2 advanced controller. (See separate IQ2 instructions) If the power cord is damaged and needs to be replaced, call our service department.

Before starting the electrical connection, make sure that:

- The characteristics of the electrical installation are in accordance with the data on the combustion device.
- The chimney is properly earthed in accordance with applicable local regulations and requirements. (Grounding is legally specified).
- Under no circumstances should the power cord exceed 80°C. If you want to connect the boiler directly to the mains, it is necessary to insert a double Installation circuit breaker 1L + N, suitable for the required electrical voltage (10A) and in accordance with applicable local regulations. Both phase L and zero N must be interrupted. The circuit breaker must be easily accessible.

White cable - Boiler power supply (220 V)

If the power cord is damaged, it must be replaced. It can only be replaced by an authorized person.

The electrical connection must be easily accessible even after the installation of the pellet boiler.



Figure 5.

5.6. FIRST START OF THE BOILER

The first start-up of the boiler may only be carried out by a service technician authorized by the manufacturer, otherwise the warranty is not valid.

After the installation of the boiler is completed, it is mandatory to perform measurements of flue gas emissions.

Guidelines for the safety of persons, animals and personal property

We want to point installers to some general guidelines to be followed as necessary for the pellet boiler will be installed correctly. These are required standards, but they are not enough; for more and more accurate information it is necessary to read the rest of the Instructions for use, maintenance and installation.

- Connect the pellet boiler to the mains;
- Do not allow children and animals to approach the pellet boiler;
- Use only good quality pellets and not other types of fuels;
- Inform all users about the potential risks and dangers, and teach them how to handle a pellet boiler;
- If the pellet boiler is placed on a wooden floor, the floor must be protected in accordance with regulations.

The pellet boiler works by creating a under-pressure in the combustion chamber, so make sure that the flue gas discharge is thermally sealed. During the first start-up (minimum 1 hour of boiler operation), vapours that have an unpleasant odour are eliminated from the paint, so ventilate the room.

6. SAFETY WARNINGS

6.1. SAFETY WARNINGS FOR SERVICE TECHNICIANS

In addition to the general safety regulations, the maintainer must:

- Always use safety devices and individual safety devices in accordance with Directive 89/391 / EEC;
- Turn off the power before starting any work;
- Always use appropriate tools;
- Before starting any work on the boiler, you must check that both the cauldron and the ashes in it are cold, especially before it is touched;
- **BOILER ON PELLETS IS NOT CONSIDER USABLE USE IF ANY OF SAFETY DEVICES IS IN DEFECTS, INCORRECTLY REPAIRED OR NON-WORKING!**
- Do not make changes of any kind other than those permitted and/or approved by the manufacturer or an authorized person.
- Always use original spare parts. Do not wait for part of the boiler to wear out before you replace it. Replacing a worn part of the boiler before it fails helps to prevent damage caused by a sudden failure of a component that can seriously endanger people and/or their property.
- When cleaning the ash, also clean the combustion tank and the space under it.

6.2. SAFETY WARNINGS FOR THE USER

The space in which the pellet boiler will be located must comply with local, national and European directives.

The pellet boiler is a combustion device, certain external surfaces of the boiler may have higher temperatures during operation.

The pellet boiler is a class C1 boiler designed exclusively for burning wood pellets.



DURING THE PELLET BOILER OPERATION, CHILDREN ARE NOT ALLOWED TO PLAY NEAR OR WITH IT!

When using a heating device, it is recommended to carefully consider:

- DO NOT walk near or touch the combustion chamber door during boiler operation, as there is a RISK OF BURNS
- DO NOT walk near or touch the chimney connection during boiler operation, as there is a RISK OF BURNS
- DO NOT perform any cleaning on the boiler during operation of the boiler
- DO NOT open the firebox door during boiler operation because it works correctly only if the firebox door is hermetically sealed (in case of opening during operation, an Alarm will appear)
- DO NOT remove ash during boiler operation
- DO NOT allow children or animals to access the pellet boiler

To use the boiler correctly, also observe the following instructions:

- Use only and exclusively the fuel prescribed by the boiler manufacturer;
- Follow the maintenance instructions;
- Clean the boiler firebox on each tone used pellets (or once a monts when the pellet boiler and the ash in it are cold);
- DO NOT use the pellet boiler in case of malfunction or other irregularities, strange sounds and / or suspicious malfunctions and call an authorized service center IMMEDIATELY;
- DO NOT pour water over the boiler, nor extinguish the fire in the combustion chamber with water;
- DO NOT lean on the boiler as it may be unstable and may be overturns;
- DO NOT use the pellet boiler as a support or as a fastening object. Do not leave the hopper lid open;
- DO NOT touch the painted parts of the boiler during its operation;
- DO NOT use wood or charcoal in the pellet boiler, but only pellets with the following characteristics:
  - dimension: diameter 6 mm,
  - maximum length: 30 mm, moisture content: up to 10%,
  - calorific value: minimum 16.9 MJ/kg or 4.7 kWh/kg, ash content: less than 0.7%
- DO NOT use the boiler as incinerator;
- Always ensure complete safety.

7. INSTRUCTIONS FOR SAFE IGNITION AND SAFE CLEANING

NEVER use heating oil, lamp oil or any other flammable liquid for igniting the pellet boiler.

- Keep all flammable liquids away from the boiler whileit works.
- Make sure that the boiler is positioned correctly and does not move.
- Make sure that you have closed the firebox properly and that it is closed while the pellet boiler is running.
- Only vacuum the ash when the pellet boiler is cold.
- Do not use abrasives to clean the pellet boiler.

7.1. REGULAR BOILER MAINTENANCE AND CLEANING

Using a vacuum cleaner with a separator will make it easier for you to clean the ash from the boiler.

Observe the following safety precautions before beginning any maintenance, including cleaning:

- Switch off the boiler before starting any work
- Make sure that **pellet boiler and the ashes in it are cold!**

Vacuum the ash from the combustion chamber after consuming 1 ton of pellets, also clean the space at the bottom of the exchanger on the right side of the boiler

We recommend that you inspect and clean the ash from the bottom of the combustion chamber at each cleaning.

Cleaning

Open the lower left door as shown in the picture, pull out and empty the ashtray





Vacuum the ash from the lower ashtray and the upper part of the combustion chamber.





Vacuum the ash from the combustion chamber after consuming



Repeat the same on the right side.







Do not hesitate to call your installer for any necessary clarification. As the manufacturer has no control over the work performed by the installer, he cannot guarantee the execution of his work and maintenance.

In no event shall the manufacturer be liable for damage caused by a third party.

Never put unburned pellets back in the pellet hopper or in the ash container.

7.2. INSPECTION AND PARTS THAT REQUIRE MAINTENANCE

CHECK THE FOLLOWING POINTS TO ENSURE THAT THE PELLET BOILER WORKS CORRECTLY. THIS WILL INCREASE ITS EFFICIENCY AND THE HEAT RELEASED INTO THE SYSTEM WILL BE GREATER:



Make sure the pellet boiler and the ash in it are cold!

- For complete cleaning, it is necessary to vacuum the ash from under the heating vessel and from the combustion chamber. You can use a brush to clean the walls of the fireplace.
- Cleaning the flue gas fan is done by removing the fan shield and cleaning the fan blades with a brush.

GENERAL POST-SEASONAL or PRE-SEASONAL BOILER CLEANING:



Make sure the pellet boiler and the ash in it are cold! Disconnect the power supply!

- Switch off boiler from the mains after the heating season is over. It is very important to clean and inspect the boiler in the manner described in instructions.
- The door seal, which is attached with fire-resistant adhesive, may come off after a long period of time. To reattach it, a fireproof adhesive / silicone must be applied to the back of the seal. This ensures hermetic sealing of the firebox door.

CHIMNEY CONNECTION - CHIMNEY (at the end of each heating season it must be cleaned):



Make sure the pellet boiler and the ash in it are cold!

- The chimney flue, chimney and chimney cap must be inspected and cleaned every year. Contact your chimney sweep for professional chimney cleaning.

7.3. ADDITIONAL MAINTENANCE

Your pellet boiler is a heat generator in which pellets are used. Once a year, it requires a special type of maintenance by authorized personnel of the company BIODOM 27 d.o.o.

With regular annual service, you will maintain the good operation of the heating device, ensure its greater efficiency, maintain the validity of the warranty and extend the life of the device itself.

The type of work described in the previous chapter is recommended to be performed after the end of the heating season. Their purpose is to check and ensure the smooth operation of all components.

8. IMPORTANT SAFETY INFORMATION

You bought a product of the highest quality.

The supplier is at your disposal to provide information that you need. Proper installation of the combustion appliance in accordance with the instructions is important to prevent any malfunction, risk or possibility of fire.

The pellet boiler works on the basis of the underpressure in the combustion chamber, so always make sure that the chimney connection is thermally tight.



In the event of a fire in the chimney, it is imperative that people and animals leave the room. Immediately afterwards, it is necessary to disconnect the electrical supply via the main switch or socket (of course if you can do this without any risk) and call the fire department.



Due to the operation and safety of the pellet boiler, you should not use finely chopped firewood.



Do not use the pellet boiler as an incinerator.

9. PELLETS

The quality of the pellets is important. Various types and dimensions of pellets appear on the market, it is very important to provide yourself with pellets that do not contain impurities. Be sure to use only pellets that are compact and dust-free. Ask your supplier about suitable pellets, the diameter of which should be 6 mm and the length up to 30 mm. Proper operation of the pellet boiler depends on types and qualities of pellets.

The pellets are filled into the hopper from the top through an opening in the folding lid of the hopper(Picture 10). Make sure that hard objects, foil or other objects that could interfere with the operation of the dosing auger do not get into the storage tank during filling.



Figure 4. Opening the pellet hopper

People with spinal cord injuries and pregnant women should avoid lifting pellet bags.

The manufacturer is in no way responsible for damage caused by the use of poor quality pellets, nor for poor performance of the boiler due to the poor quality of the pellets used.

The pellets must comply with DIN 51731, DIN plus, Ö-Norm M-7135 or other comparable European standards.

9.1. PELLET STORAGE

Pellets should be stored in a dry and not too cold place.

Cold and humid pellets (temperatures around 5°C) reduce thermal power and require more frequent boiler cleaning.

PELLETS SHOULD NOT BE STORED NEAR THE PELLET BOILER. Keep them at least 1/2 meter away.

When handling pellets, be careful not to scatter them.

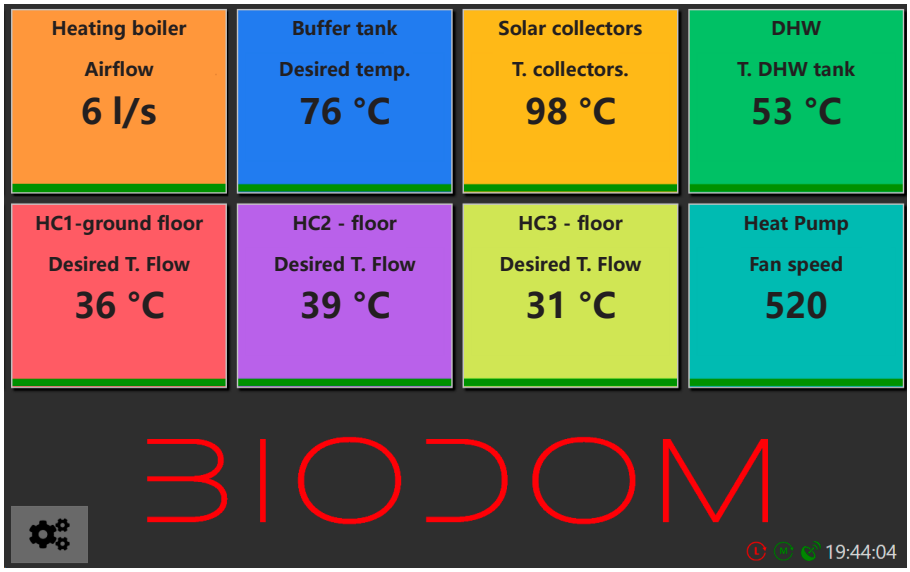
If you pour sawdust into the hopper, it can block the pellet dosing system.

10.DESCRIPTION AND OPERATION OF BOILER CONTROL

The Biodom 27A pellet boiler is equipped with Advanced IQ2 control, which enables the regulation of the pellet boiler, three mixing circuits, DHW domestic hot water, buffer tank, solar collectors, heat pump, additional heating source.

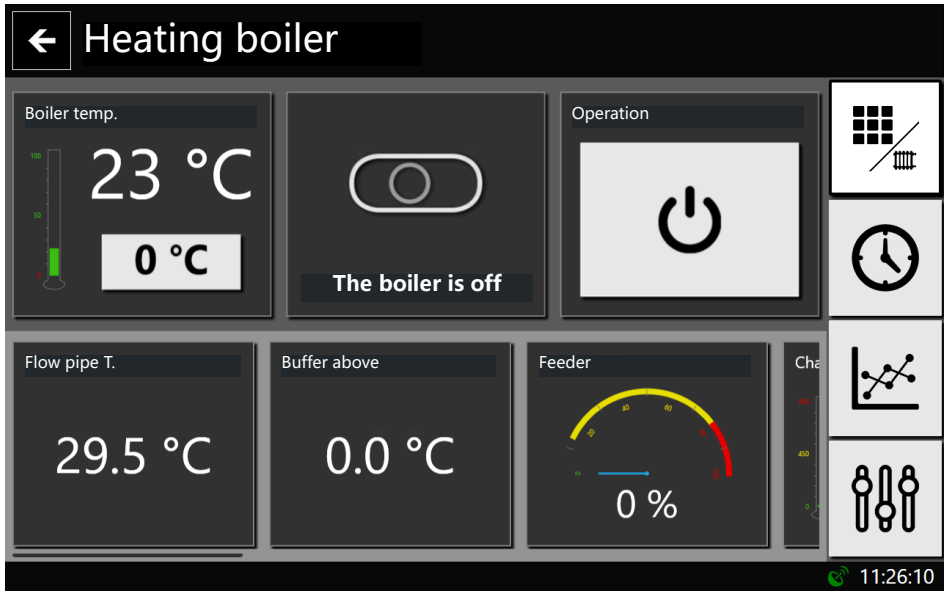
The home screen displays information about the entire system.

For general control settings, see the separate instructions for "Advanced IQ2 control", where you set the WiFi settings and language.

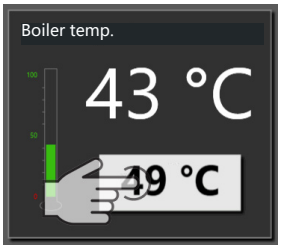


10.1.SETTINGS FOR HEATING BOILER

By clicking on the first "Boiler" button, you open the boiler menu, which shows:

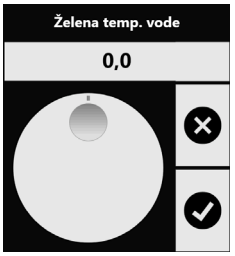


Boiler water temperature



The first window at the top left shows the current water temperature in the boiler

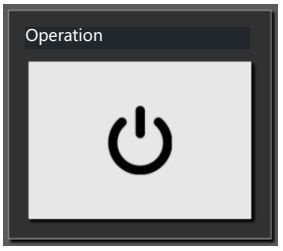
Clicking on the white rectangle opens a new window, where you turn the knob to set the desired boiler water temperature.

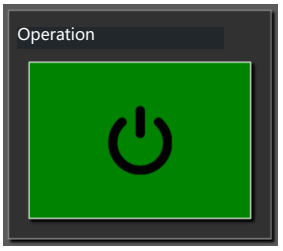


The recommended temperature is 65°C - 85°C
(with a higher temperature we protect the boiler from condensation and thus extend its service life)

Switching on the boiler

Switch on the boiler by pressing the button on the top right:
On - green button
Off - white button

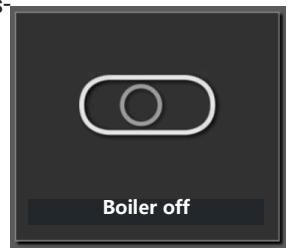


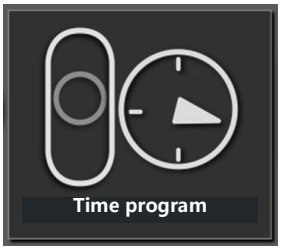


Current status of the boiler

The current state of the pellet boiler is displayed in the middle above

1. The boiler is switched off
2. The boiler works according to the time program
   and waiting to turn on





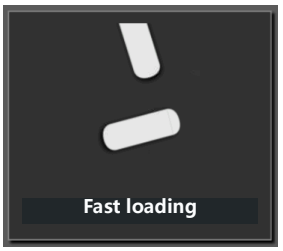
On

Pre-ignition test:
The system first checks if everything is ready to start burning



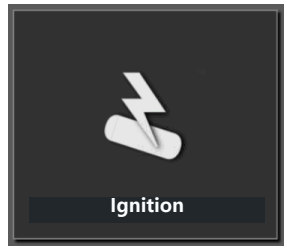
Fast loading of pellets:

First loading of pellets to ignite the flame



Ignition - Start of fire:

Igniter activation and pellet ignition





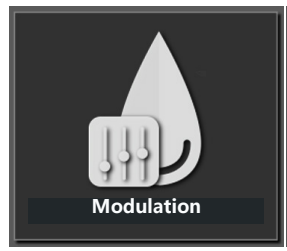
Combustion:

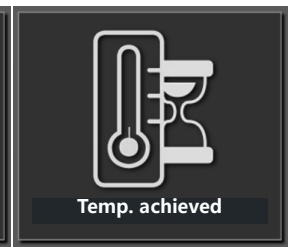
Combustion of pellets at the power set in the settings
“Boiler Operating Limit” 1-5



Modulation - Temperature reached:

When the water temperature in the boiler approaches (-5°C) of the desired boiler water temperature, boiler goes into "Modulation" (reduces power)



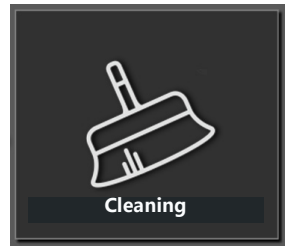


If the temperature rises further (Desired T. +5°C) the boiler shuts down and waits for the temp. in the boiler to fall 5°C below the desired temp.

Cleaning:

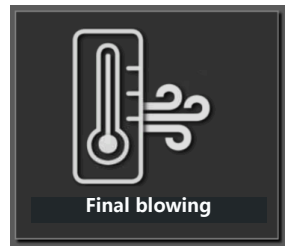
The boiler periodically cleans itself during operation.
It blows out the grate in the firebox and cleans the turbochargers.
(The "noise" that occurs is a normal phenomenon)

Cleaning takes a good minute
after which the boiler continues to re-ignite



Shutdown:

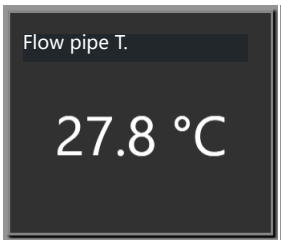
When the boiler is switched off (or is switched off by the time program),
the boiler starts the shutdown process, increases the fan speed, to burn the remaining pellets in the firebox, blow out the grate, etc.



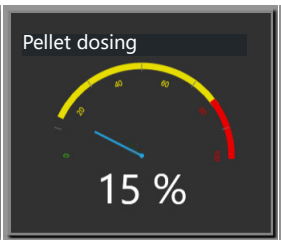
The boiler needs to complete the switch-off process and must not be switched off "by force", by interrupting the electricity.

Display current values

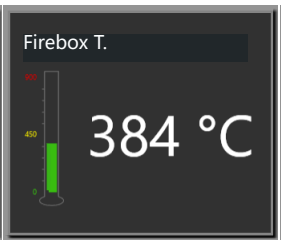
At the bottom of the home screen by scrolling left or right you can see the current values of certain parameters.



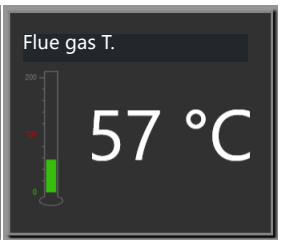
Water temperature at the boiler outlet Lifting line



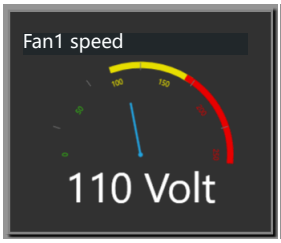
Pellet dosing according to power boiler operation



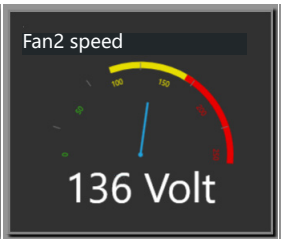
Temperature in the boiler firebox



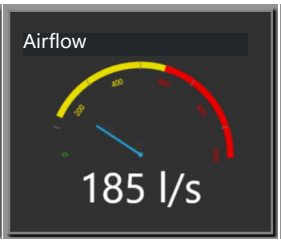
Temperature of flue gases



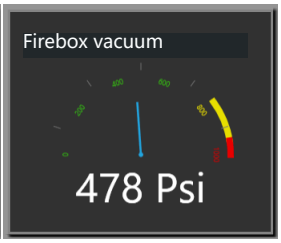
Speed (expressed in V) blower fan



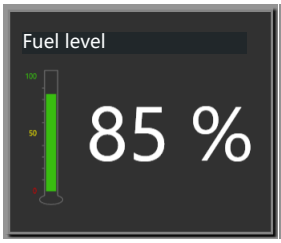
Speed of (expressed in V) laxative fan



Airflow through the boiler



Vacuum in the firebox



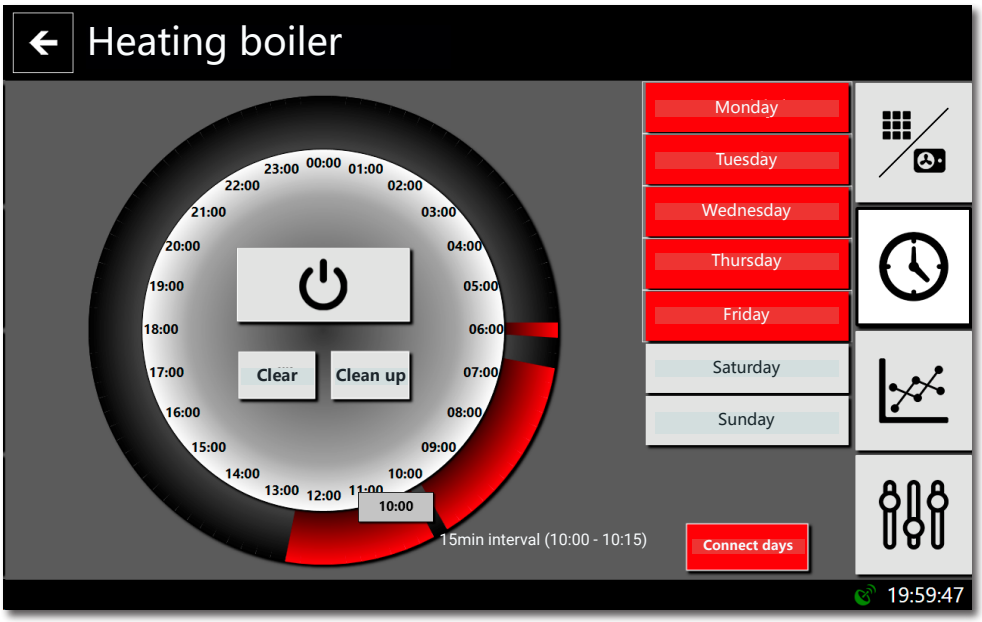
Pellet level in storage
(not in standard delivery)



Temperature of air outside

10.2. BOILER OPERATION TIME PROGRAM

Time program screen.



Click / drag your finger around the circle to set / delete 15 minute intervals, when the boiler is to be switched on.

Monday - select the day for which you want to set the program.

Continue - when the button is selected, we set the time intervals - we colour them in red.

Delete - when the button is selected, we delete the time intervals - we colour them black.

Clean up - Clears / deletes the whole circuit.

Connect the days

- If active **Connect the days** we set the program for all days marked - red.

Turns on / Turns off time program operation

If the time program is active, appears at the top right of the screen

and on the main screen

10.3. PARAMETERS

PARAMETERS - Heating boiler



Limiting the maximum power of the boiler(1-5°C)

The user can limit the maximum boiler power from min. 1 to max. 5. The boiler will not raise the power above the set value.

Desired boiler water temperature(55 - 95° C)

The user can select the desired boiler water temperature between 50-95° C recommended 65-85°C.
This setting is also on the main screen of the boiler - Boiler temperature.

Buffer temperature difference(0 - 20° C) [5° C] *-param.86*

Desired buffer temperature =
Desired temp. boiler water - Buffer temp. difference (this param.)
The factory setting is 5° C

Dif. start of the buffer pump(0 - 20° C) [5° C] *-param.50*

Temp. at which the boiler begins to heat the buffer tank:
when sensor A2 (top of the buffer) < Desired temp. **Buffer** - this parameter (50)

Dif. stop buffer pump(0 - 20° C) [5° C] *-param.85*

Temp. in which the boiler stops heating the buffer tank:
when sensor T3 (buffer tank bottom) > Desired temp. **of boiler water** - this parameter (85)

Return hysteresis(0 - 20° C) **-***for installer only*

Temperature difference between the flow and return line at which the boiler pump is switched off.

- Condensation protection
- Prevents forced draft through the boiler into the chimney and only cooling of the boiler Factory settings: Biodom 21, 27C5, 27A, 54 = 7

Flow calibration (0-30000) - "SCAL" - *for installer only*

Correction factor of air flow through the boiler to the fan control algorithm (FAN 1). The higher the "SCAL" value, the higher the air flow value is recorded by the controller, thus reducing the FAN 1 voltage to maintain the set air flow value and vice versa.

Thermostat operating mode- *for installer only*

Temp. in which the boiler stops heating the buffer tank:
when sensor T3 (buffer tank bottom) > Desired temp. **of boiler water** - this parameter (85)

Desired boiler water temperature - [55 - 95° C]

When the room temperature reaches the set figure (the thermostat switches off), if the mode is set to:

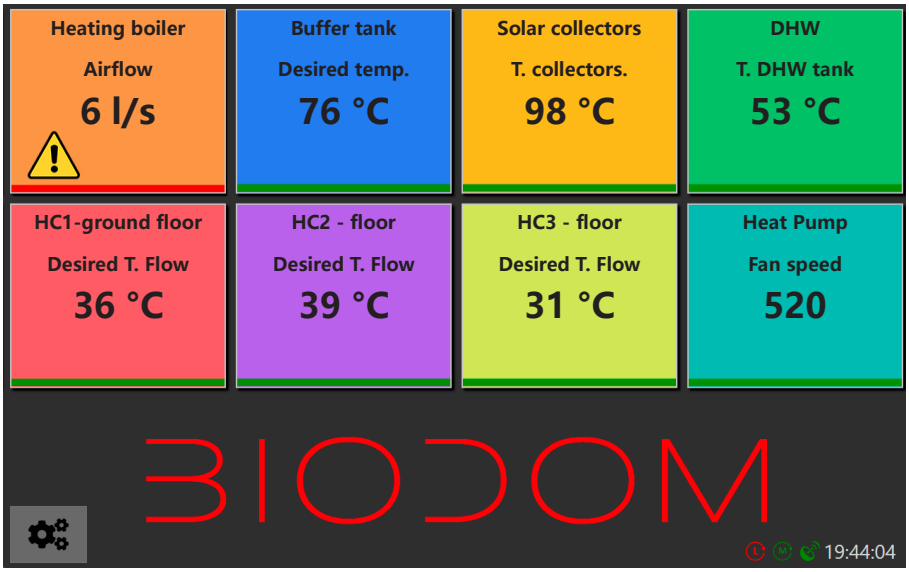
0 - The circulation pump is switched off, the boiler operates up to the set boiler temp. (+5**°C)**.

1 - The boiler is switched off, the pump runs until the boiler drops to the minimum boiler temp.

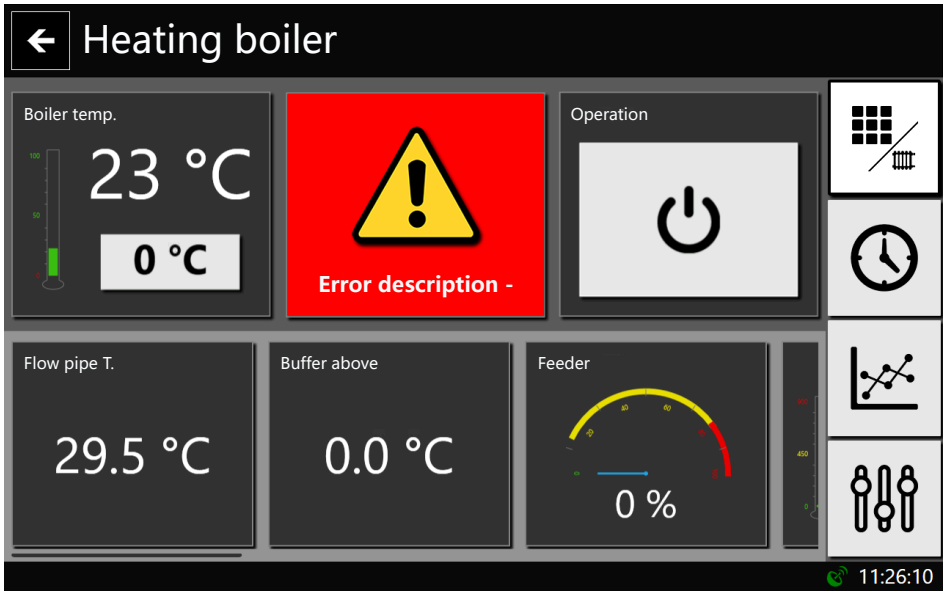
2 - The boiler and pump are switched off.

11.ALARMS

In the event of an alarm, the boiler will display a yellow warning triangle on the home screen.



When you click it, error information is displayed in the middle of the next screen Description of errors in the table below.

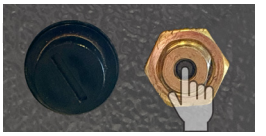
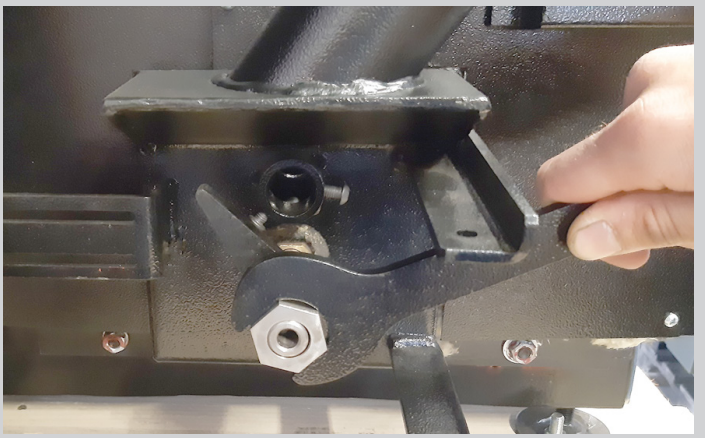




Errors and error description

See table below

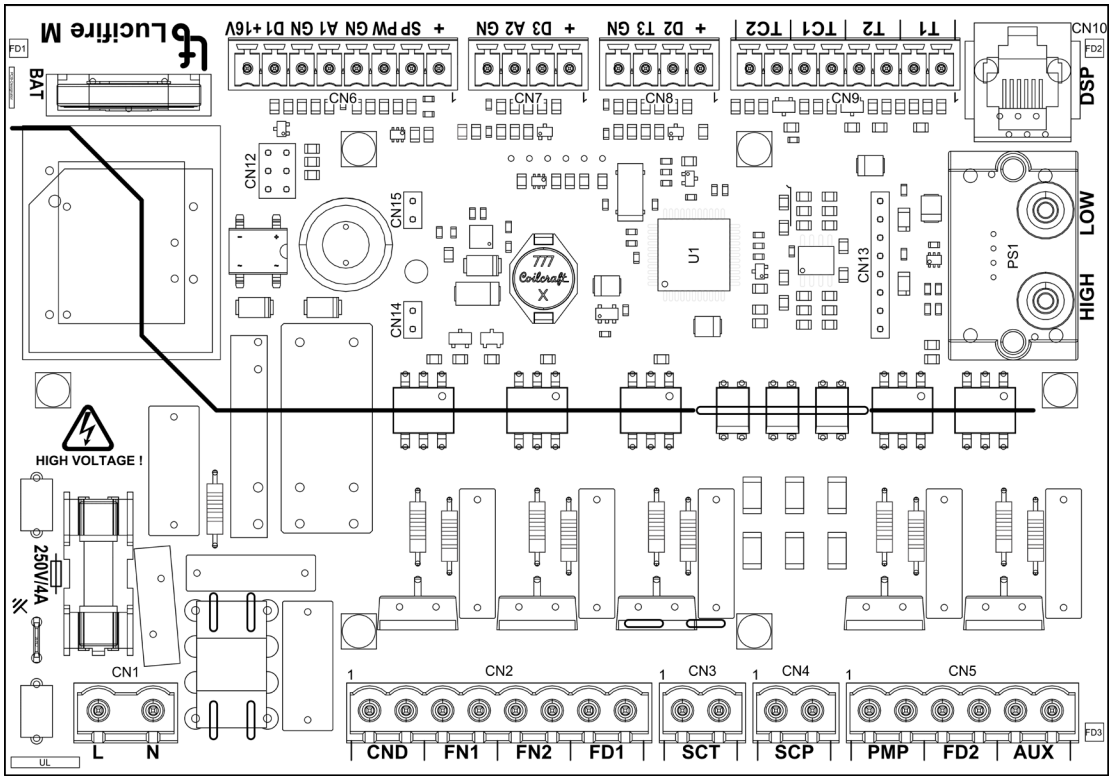


Error	Cause - Solution
Ignition failed	**The boiler failed to start** Check the condition of the boiler, clean the firebox and try to restart the boiler.
Pressure fuse	**The boiler is not properly sealed** Check that all doors are closed properly. If the error persists, contact a service centre.
No pellets	**Lack of pellets in the burning phase.** Fill the hopper with pellets.
STB thermal protection	**STB - Thermal protection of the boiler - the boiler has overheated** Check the condition of the boiler and, if no fault is found, activate the fuse (on the right of boiler near el. unscrew the connector cap and press the fuse) and restart the boiler.  If the error persists, try reducing boiler temperature or contact a service centre.
Firebox cleaning error	**The firebox cleaning motor is blocked** Lower quality pellets produce more slag, which can block the engine. Use the wrench provided to turn the motor shaft. 
Max temp. flue gases	**Flue gas temperature too high**

Error	Cause - Solution
Pressure switch error	**The pressure switch is not detected / defective** contact a service centre
Water sensor error	**Water sensor not detected / defective** contact a service centre
Sensor error. flue gases	**Flue gas sensor not detected / defective** contact a service centre
Firebox sensor error	**Firebox sensor not detected / defective** contact a service centre
No communication	**Communication between the boiler and IQ2 is interrupted.** Turn the IQ2 off and on again. If the error persists, contact a service centre.

12. ELECTRICAL WIRING DIAGRAM

IQ1 - Lucifire



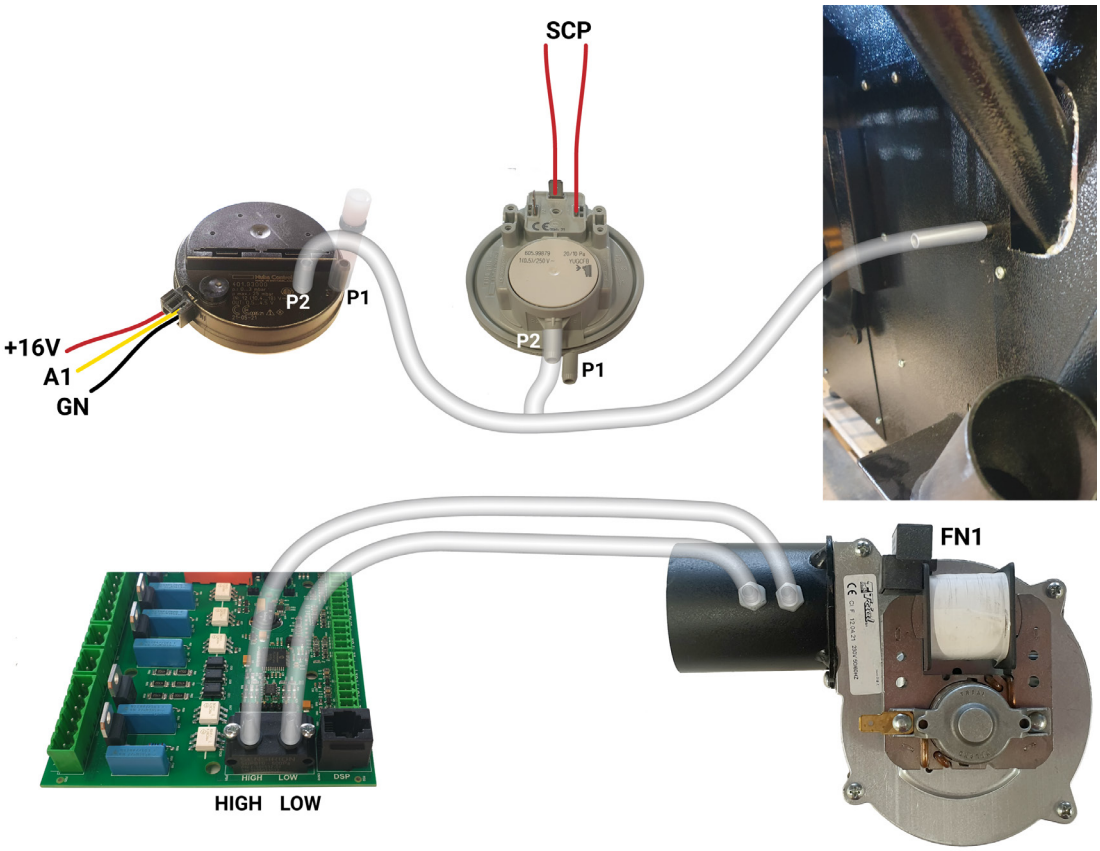
Connector - 220V	
CND	Igniter
FN1	Fan - intake
FN2	Fan - chimney
FD1	Pellet feeder - wormdrive
SCT	STB safety thermostat
SCP	Pressure switch - safety1/3
PMP	Boiler pump
FD2	Firebox cleaning
AUX	Turbulator cleaning

Connector - Sensors	
T1	Boiler water temperature
T2	Return water temperature
TC1	Flue gas temperature
TC2	Firebox temperature
D2 / GN	DHW thermostat -IQ2 *
T3 / +	Buffer below - IQ2*
D3 / GN	Room thermostat / external boiler control
A2 / +	Buffer above - IQ2*
SP	
PW / GN	PWM - boiler pump
A1 / GN	Pressure sensor [+ 16VA1 GN]
D1 / GN	Firebox cleaning - rev counter
+16V	+ 16V Pressure sensor
DSP	Display / table
HIGH	pneumatic connection
LOW	pneumatic connection

*IQ2 - Not in use / connect to IQ2

13. PNEUMATIC WIRING DIAGRAM

IQ1 - Lucifire



14.BOILER DISMANTLING AND REMOVAL INFORMATION

The dismantling and disposal of a pellet boiler is the sole responsibility of the owner, who must comply with the laws in force in his country, with regard to safety, respect and protection of the environment.

The dismantling and removal of the pellet boiler may be entrusted to a third party who has a licence or authorisation to remove and dispose of the said materials.



INDICATION: In any case, you must comply with and comply with the laws in force in the country where the pellet boiler is installed.



All dismantled parts for destruction must be properly removed:

- remove all electrical parts;
- disconnect the battery from the control unit;
- Dispose of the battery of the control unit in accordance with the regulations in suitable waste containers;
- discard the boiler core or sell it as scrap iron.



A discarded pellet boiler in accessible places can pose a serious danger to both humans and animals. The owner of the boiler is always responsible for the damage.

When the boiler is destroyed, it is necessary to destroy the CE mark, Instructions for use, maintenance and installation, and other documents related to the boiler.

15.WARRANTY CONDITIONS

OVERVIEW:

For the warranty to be fully valid as written in EEC Directive 1999/44 / E (42/2002), the user must carefully follow the instructions in this document, in particular:

- Use the pellet boiler to the best of its ability, in accordance with the conditions set out in the instructions for use;
- Maintain the pellet boiler in a diligent and constant manner;
- Observe all safety measures in accordance with applicable laws;
- Avoid any unprofessional interference with the boiler;
- Use only original spare parts.

WARRANTY TIME CONDITIONS:

The warranty for all Biodom products is valid for 24 months from the date of first start-up, provided that a regular service inspection is performed no later than 12 months from the date of start-up.

GENERAL WARRANTY CONDITIONS:

1. We declare:
   - that the product will function properly during the warranty period if used in accordance with the intended use and if the enclosed Instructions for use and maintenance are followed;
   - that it will be for the duration of the warranty
   - The company Biodom, through authorised service companies, will eliminate all faults-errors due to which the device does not work in accordance with its purpose, no later than 45 days from the written report of the fault or errors;
   - that the product that is not repaired within the said period will be replaced with a new one at the request of the warranty holder and the warranty period will be extended by the duration of the repair;installation is guaranteed by an authorized service company with a signature and stamp on the issued warranty.
2. Warranty claims:

   The warranty is valid provided that:
   - The buyer has a valid document (invoice) issued by the seller.
   - The combustion appliance has been installed by a qualified and / or trained person who assesses whether the appliance meets all the technical characteristics of the system where the appliance will be installed and which must necessarily comply with the requirements stated in the instructions.
   - The pellet boiler is used in accordance with the instructions for use.

   The warranty is claimed from the dealer where you purchased the device.

   When reporting a fault, provide an exact description of the fault / error.
3. Service and replacement time:
   - the warranty period in which we provide service and spare parts for the smooth use of the product is 5 years from the date of first start-up;
4. The guarantee does not apply or does not cover damage caused by:
   - Weather, chemical or electro-chemical effects, lightning strikes, natural disasters and / or natural disasters, improper use of the product, poor maintenance, product changes or product browsing, chimney inadequacy or inefficiency, and other non-product causes

such as incorrect or improper installation;Burning of materials that do not correspond to the type of material specified in these instructions;

- Any damage caused by / during transport, so it is necessary to carefully check the received goods upon delivery. In the event that it is damaged, the seller must be notified immediately and the damage must be recorded on the acceptance document or delivery note;
- If the start-up was carried out by a company that did not obtain the appropriate authorization for Biodom products;
- If the product has been tampered with or repaired by an unauthorized person;
- If the user does not follow the instructions for use and maintenance;
- If faults or malfunctions occur in the Biodom heating device due to defects in equipment from other manufacturers.

Liability of Biodom 27 doo is limited to the supply of the device. The unit must be installed correctly in accordance with the manufacturer's instructions as well as the applicable laws. Installation must be carried out by qualified personnel designated by the manufacturer or agent / dealer[1] (and / or under its control and responsibility), which assumes all responsibility for the final installation and subsequent proper operation of the installed product. In case of non-compliance with the conditions, the company Biodom d.o.o. is in no way responsible.

NOTE: Biodom 27 d.o.o. is not liable for any damage and consequences, even if they are the result of replacing a malfunctioning part of the boiler.

Biodom 27 d.o.o. ensures that all its products are made from the highest quality materials and work processes that ensure full efficiency. If any defective or malfunctioning part occurs in the event of normal use, it must be replaced.

PARTS SUBJECT TO NORMAL WEAR NOT COVERED BY THE WARRANTY ARE:

- Seals and cast iron parts showing no sign of a defect attributable to a manufacturing defect;
- Colour changes, cracks and small dimensional changes are not justified and do not constitute a reason for rejection because they are due to the natural characteristics of the materials.

The warranty does not exclude consumer rights arising from the manufacturer's liability for defects in goods.

LIABILITY:

Biodom 27 d.o.o. does not accept liability for any reimbursement of costs for direct or indirect damage caused by the product or depending on the product.

SERVICE DURING THE WARRANTY PERIOD:

Biodom 27 d.o.o. responds to warranty-related problems only through its authorized representatives.

The warranty is valid in the territory of the Republic of Slovenia.

COMPETENT COURT:

The Court in Koper has jurisdiction to resolve disputes.

In the event of replacement of spare parts, the warranty is not extended.

For the period of non-operation of the pellet boiler, the company Biodom 27 d.o.o. does not accept liability for any reimbursement.

Biodom 27. is not responsible for errors in the instructions. We reserve the right to make changes without prior notice.

1Any natural or legal person authorized to sell items to end users of this warranty is considered an agent / trader.

16. OVERVIEW OF SERVICES

SERVICE 1 (SERVICE DURING THE WARRANTY PERIOD)

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 2

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 3

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 4

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 5

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 6

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

SERVICE 7

NUMBER OF ANNUAL REVIEW OF BOILER ANNUAL REPORT: _____

NAME WORKS:☐ REGULAR SERVICE☐ REGULAR SERVICE +3☐ RECLAMATION

FUEL MANUFACTURER: _____

OTHER: _____

CUSTOMER'S SIGNATURE:SERVICER'S STAMP AND SIGNATURE: _____

DATE: _____

CE

IZJAVA PROIZVAJALCA O SKLADNOSTI
DECLARATION OF CONFORMITY

Naziv proizvajalca/Producer:

Biodom 27 d.o.o.

OIC Hrpelje 4a, 6240 Kozina, Slovenia

Izjavlja, da v nadaljevanju opisani stroj/Declares that the below mentioned machine

Toplovodni kotel na trdo gorivo/Solid fuel hot water boiler

Tip/Type: **BIODOM 27A**
kotel na pelete/pellet boiler

Serijska številka/serial number: | | | | | | | | |

leto proizvodnje/year of production: | | | | |

Ustreza osnovnim zdravstvenim in varnostnim zahtevam direktiv/ Conforms to the following CE directives:

Direktiva/Directive 2006/42/CE o strojih/on machinery
Direktiva/Directive 2014/35/ES o nizkonapetostni opremi/on low voltage equipment
Direktiva/Directive 2014/30/ES o elektromagnetni združljivosti/on electromagnetic compatibility (EMC)

Harmonizirani standardi/Harmonised standards:

EN ISO 12100-1:2004 and A1:2010
EN ISO 12100-2:2004 and A1:2010
EN 303-5:2012
EN 60204-1:2006 and A1:2009
EN 61000-6-3:2007
EN 61000-6-2:2005
EN 61000-3-3:A1 2002
EN 61000-3-3:A2 2006

Tipski preizkus naprave je bil opravljen v pooblaščenem laboratoriju IMQ Primacontrol, Via dell'industria 55, 31020, San Vendemiano (TV), Italija, 17.10.2012, številka poročila CS-12-049./*The test of the pellet boiler was*

carried out by the IMQ Primacontrol, Via dell'industria 55, 31020, San Vendemiano (TV), Italy, the number of the report is CS-12-049.

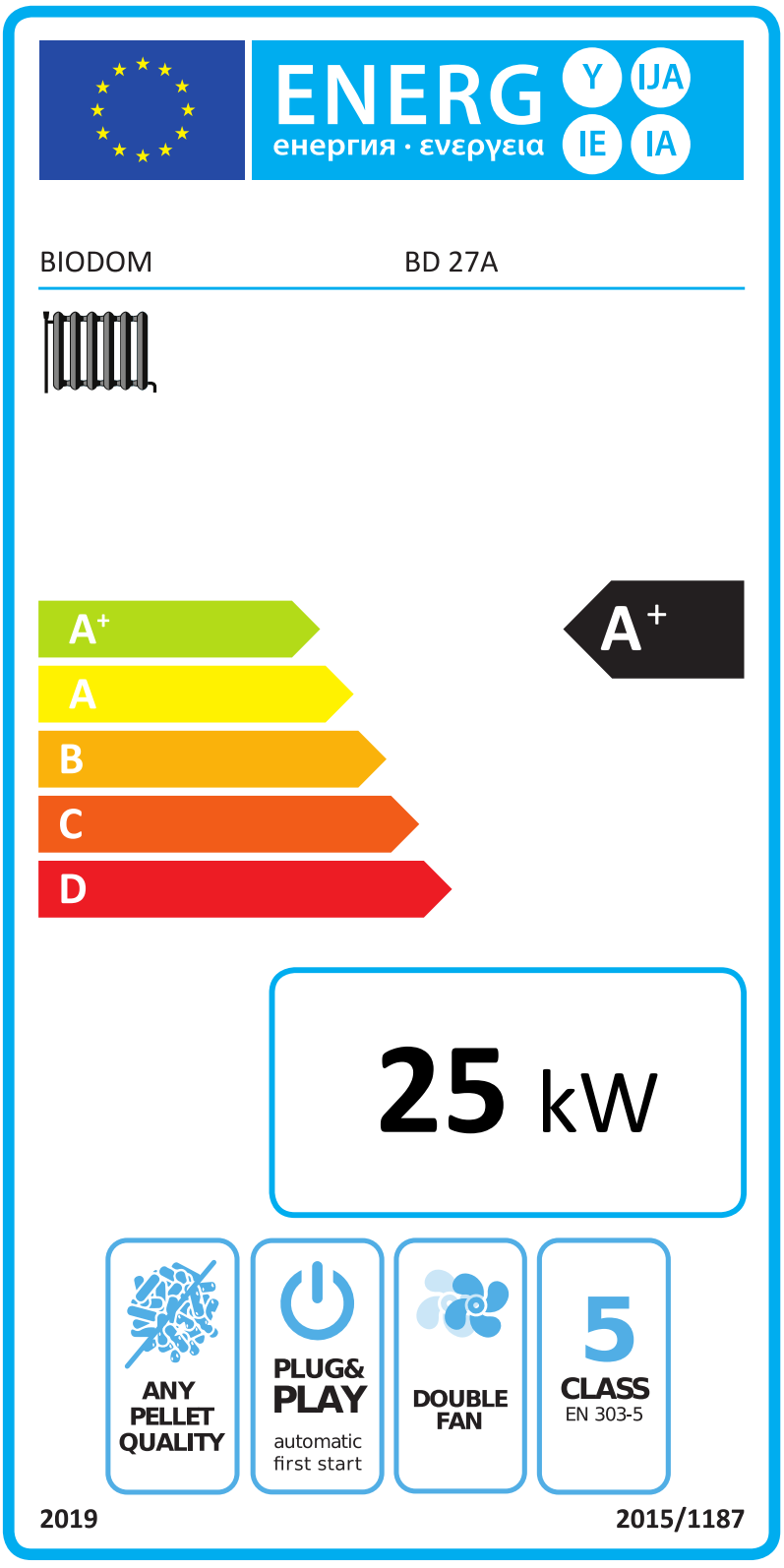
Tehnična dokumentacija se hrani na naslovu OIC Hrpelje 4a, 6240 Kozina. Oseba, zadolžena za sestavljanje tehnične dokumentacije, je Anton Kavčič./ *The technical documentation is stored at the OIC Hrpelje 4a, 6240 Kozina. The person responsible for compiling the technical documentation is Anton Kavčič.*

Kozina, 22.10.2013

Biodom 27 d.o.o.

Anton Kavčič, director

BIODOM
BIODOM 27 d.o.o.
OIC Hrpelje 4a, 6240 Kozina


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BIODOM EUROPE SRL
www.biodom.eu
info@biodom.eu

BIODOM

COVER

COVER

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