



energy from nature

- heat that powers the future



SMART fire

Premium boilers
for the most demanding users

BLOMAS



PELLET AND WOOD
the ecological fuel
of the future.

BIOMASS – the ecological fuel of the future.

Pellets and wood are today among the most environmentally friendly and future-oriented energy sources.

They are made from biomass – natural, organic raw materials which, unlike fossil fuels, do not increase the global amount of CO₂ in the atmosphere. The trees used to produce pellets absorb carbon dioxide during their growth, and when the energy is used, the same amount is released – as a result, the emissions balance remains almost neutral. This is a significant advantage in the fight against climate change and in improving air quality. Pellets are produced from natural wood-based materials such as sawdust and wood chips, which are compressed into convenient granules. This creates a renewable, clean and easy-to-use fuel – after combustion, only a small amount of ash remains. This production method supports a circular economy, reduces waste of raw materials and promotes the protection of forests and biodiversity. It is also a source of energy independence. Pellets

and wood are produced locally, which reduces dependence on imported fossil fuels and ensures greater price stability. The ability to store fuel on your own property provides full control over energy availability and thermal security. Modern biomass boilers combine environmental responsibility with convenience. Thanks to automated fuel feeding and advanced control systems, operation is simple and comfortable, while the high efficiency of the units delivers real savings. By choosing biomass, you choose clean air, a stable source of heat and a future aligned with the principles of sustainable development.

HKS LAZAR

is a leading Polish manufacturer of modern heating systems.

CLEAN ENERGY. POLISH QUALITY.

All our devices are manufactured in Poland.

HKS LAZAR

- QUALITY YOU CAN TRUST



HKS LAZAR is a leading European manufacturer of modern heating systems – pellet and wood boilers as well as heat pumps.

For over two decades, we have been delivering solutions that combine safety, top quality, efficiency and environmental responsibility, meeting the needs of even the most demanding users in Poland and abroad.

Clean energy. Highest quality.

All our devices are manufactured in Poland – within the European Union – which guarantees reliable workmanship, compliance with strict

environmental standards, and easy access to service and professional after-sales support. By choosing HKS LAZAR, you are investing in a proven, safe product fully compliant with European standards.

Tradition that provides security.

Our many years of experience form a solid foundation of trust among thousands of customers in Poland and abroad. For decades, we have been designing and manufacturing heating systems that combine modern technology with reliable construction. Stability, reliability and warranty assurance make choosing HKS LAZAR a decision that pays off for years to come—providing peace of mind, comfort and household safety. By choosing our products, you invest in proven solutions built to stand the test of time and serve future generations.

Certified quality. Reliable performance parameters.

Every HKS LAZAR product undergoes thorough testing in accredited laboratories within the European Union, confirmed by official certificates. This ensures that the declared parameters are reliable and that the device's efficiency is proven in real-world conditions, resulting in lower heating costs.

Technology that works for you.

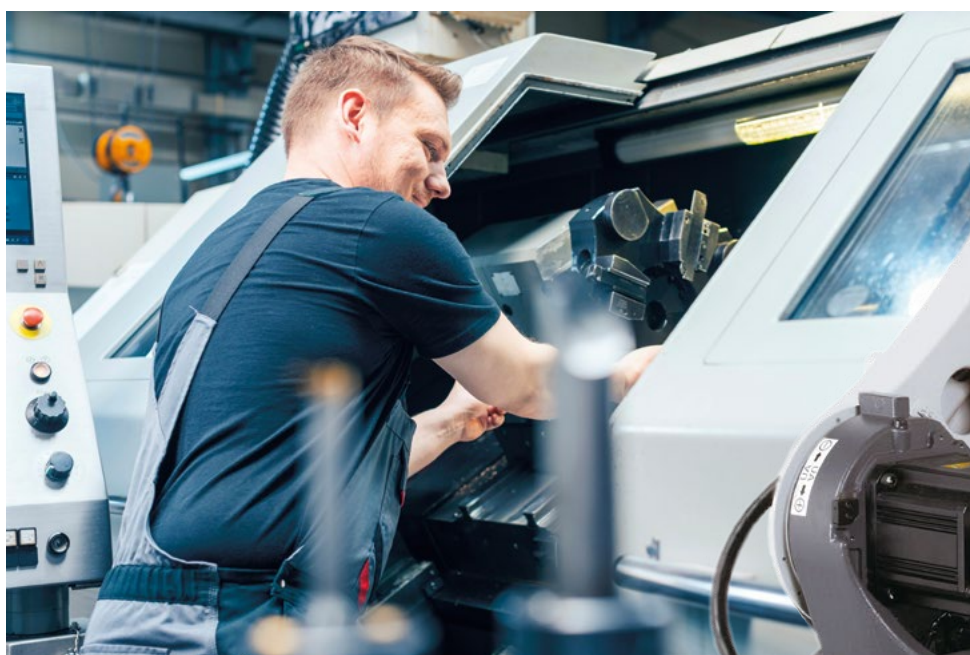
Our production is based on process automation, careful selection of components and multi-stage quality control. Each unit undergoes detailed performance testing to ensure reliable, efficient operation in your home or business for many years to come.

We heat with care for you and the planet.

HKS LAZAR boilers and heat pumps meet the most stringent European Union emission standards, making them an environmentally friendly choice eligible for numerous subsidy programs across the EU. These solutions protect the environment, support your budget and enhance everyday comfort. Professional service – always close to you.

Professional service – always close to you.

Our factory service operates quickly, efficiently, and without compromise. We are always at hand to ensure the reliable operation of your device and warmth in your home – even on the coldest winter days. We take care of safety, comfort, and maximum heating efficiency, so you can enjoy peace of mind for many years. With HKS LAZAR, your home is always in good hands.



www.hkslazar.com

Premium boilers for the most demanding users



CERTIFIED QUAL
AND RELIABLE P
PARAMETERS



QUALITY PERFORMANCE

energy from nature

SMARTFIRE

– a pellet boiler for demanding users







BIOMASS (wood pellets)

SMARTFIRE **EC**



EC 15, EC 21

WITH SIDE-MOUNTED HOPPER

SmartFire EC is the third generation of advanced pellet boilers, designed with a focus on high efficiency, environmental sustainability, and user safety. Thanks to its modulating output and intelligent control system, the boiler precisely adjusts its operation to the current heat demand, reducing pellet consumption and delivering real energy savings.

The new SmartFire EC version achieves efficiency of up to 93% at nominal output, providing even higher performance compared

to previous generations. The standard automatic heat exchanger cleaning system ensures stable operation and maximum user comfort.

A key innovation of the EC version is its sealed combustion chamber, which allows combustion air to be supplied directly from outside the building. This solution provides more stable combustion conditions and enhanced operational safety. SmartFire EC is ideally suited for modern, energy-efficient buildings, including those equipped with mechanical ventilation systems.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF EC 15	SF EC 21
ENERGY EFFICIENCY CLASS	A+	A+
RATED THERMAL OUTPUT	15 kW	21 kW
ENERGY EFFICIENCY COEFFICIENT	120	121
SEASONAL SPACE HEATING ENERGY EFFICIENCY	81%	82%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code to see more



* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Cast-Iron Safety Valve
– Reliable Protection in All Operating Conditions.



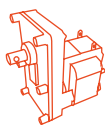
Stainless Steel Burner with Automatic Cleaning – High Durability and User Convenience.



Color Touchscreen Weather Compensated Controller – Energy Savings and Enhanced Comfort.



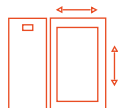
Heat Exchanger Cleaning System – Easy Maintenance and Consistently High Efficiency.



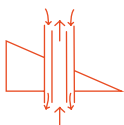
Automatic Heat Exchanger Cleaning System – Consistently Maintaining the Highest Possible Efficiency.



EC Exhaust Fan
– Equipped with a BLDC Motor, Ensuring Real Energy Savings and High Combustion Control Precision.



Fuel Hopper Available in Various Capacities – Choose the Size That Best Suits Your Needs.



Sealed Combustion Chamber
– Enables Connection to an External Air Supply System.



Automatic Burner Cleaning as Standard – Maintenance-Free Operation and High Efficiency.

ADDITIONAL OPTIONS

Lambda Sensor
– Maximum Combustion Efficiency.



Automatic Ash Removal
– Maximum User Convenience.



Internet Module
– Remote Control and Service Access.



Vacuum System
– Automatic Pellet Transfer from a Large Storage Hopper.



External Air Supply System
– Efficient and Modern Pellet Heating.



Integrated Hydraulic Kit
– Thermostatic Valve and Energy-Efficient Circulation Pump.



PARAMETERS

UNIT

SF EC 15

SF EC 21

Boiler class	-	5	5
Thermal efficiency	%	93,9%	93%
Nominal output	kW	15	21
Output range	kW	4,4-15,2	6,2-20,9
Width (fuel hopper type)			
150 L	mm	985	985
240 L	mm	1195	1195
440 L	mm	1345	1345
Height	mm	1470	1470
Depth (fuel hopper type)			
150 L	mm	760	760
240 L	mm	805	805
440 L	mm	1015	1015
Water capacity	dm³	49	49
Flue outlet diameter outer/inner	mm	120 / 110	120 / 110
Recommended chimney diameter	mm	150	150
Required chimney draft	Pa/mbar	5 ÷ 10 / 0,05 ÷ 0,10	5 ÷ 10 / 0,05 ÷ 0,10
Supply and return connections	inch	1	1
Max. operating pressure - depends on the model	bar	1,5 / 3,0*	3
Average flue gas temp. at max. output	°C	100	100
Average flue gas temp. at min. output	°C	60	60
Max. recommended flue gas temp.	°C	180	180
Maximum boiler temperature	°C	85	85
Recommended boiler temperature	°C	65 ÷ 80	65 ÷ 80
Min. return water temperature	°C	55	55
Fuel hopper capacity	dm³	150, 240, 440	150, 240, 440



BIOMASS (wood pellets)

SMARTFIRE **EC T**



EC 8 T, EC 10 T, EC 15 T

WITH TOP-MOUNTED HOPPER

SmartFire EC T is a compact 3rd-generation pellet boiler designed for high efficiency, eco-friendly operation, and easy installation, even in small boiler rooms. Its lower output range makes it ideally suited to the needs of modern, energy-efficient buildings. The fuel hopper, positioned at the rear in the upper section of the unit, significantly reduces the boiler's overall footprint. If required, the system can be expanded with an additional 480 L hopper installed on either the left or right side. Modulating output and intelligent controls automatically adjust boiler operation to current heat demand, reducing pellet consumption and

emissions. Automatic heat exchanger cleaning comes as standard, improving user convenience and helping maintain high efficiency.

The sealed combustion chamber allows combustion air to be drawn from outside, without interfering with the building's ventilation system, while ensuring stable combustion conditions. This makes the boiler particularly suitable for airtight buildings equipped with mechanical ventilation and heat recovery systems. The unit complies with stringent EU emission standards, while a cast-iron rotary valve provides reliable protection against flame backflow.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER

SF EC 8 T

SF EC 10 T

SF EC 15 T

ENERGY EFFICIENCY CLASS

A+

A+

A+

RATED THERMAL OUTPUT

8 kW

10 kW

15 kW

ENERGY EFFICIENCY COEFFICIENT

121

122

122

SEASONAL SPACE HEATING
ENERGY EFFICIENCY

82%

83%

83%

Special precautions during installation, setup or maintenance of a solid fuel boiler: All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

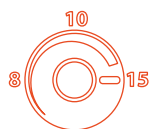
In accordance with
EU Regulation
2015/11877

Scan the QR code
to see more

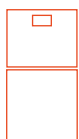


* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Available outputs: 8 kW, 10 kW, 15 kW
– perfectly suited to modern homes



Compact design
– rear top-mounted hopper for easy installation in small boiler rooms.



Cast-iron safety lock
– reliability and protection in every situation.



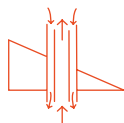
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



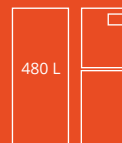
Automatic burner and heat exchanger cleaning
– low-maintenance operation and consistently high efficiency throughout the heating season.



Sealed combustion chamber
– allows connection to an external air supply system.

ADDITIONAL OPTIONS

Additional 480 L hopper
– can be installed on either the left or right side of the boiler to extend operating time between refills.



Lambda Sensor
– Maximum Combustion Efficiency.



Automatic Ash Removal
– Maximum User Convenience.



Internet Module
– Remote Control and Service Access.



Vacuum System
– Automatic Pellet Transfer from a Large Storage Hopper.



External Air Supply System
– Efficient and Modern Pellet Heating.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.



PARAMETERS	UNIT	SF EC 8 T	SF EC 10 T	SF EC 15 T
Boiler class	-	5	5	5
Thermal efficiency	%	94,2	93,2	92,2
Nominal output	kW	8	10	15
Power range	kW	2,4-7,4	3,0-9,5	4,3-14,2
Width	mm	610	610	610
Height	mm	1540	1540	1540
Depth	mm	955	955	955
Water capacity	dm ³	48	48	48
Flue outlet diameter external/internal	mm	100/90	100/90	100/90
Recommended chimney diameter	mm	100	100	100
Required chimney draft	Pa/mbar	7/0,07	7/0,07	8/0,08
Supply and return	inch	1	1	1
Maximum operating pressure* – depends on model	bar	1,5 / 3,0*	1,5 / 3,0*	1,5 / 3,0*
Average flue gas temperature at max. power	°C	78	89	102
Average flue gas temperature at min. power	°C	51	54	53
Maximum recommended flue gas temperature	°C	120	120	120
Maximum boiler temperature	°C	85	85	85
Recommended boiler temperature	°C	65÷80	65÷80	65÷80
Minimum return water temperature	°C	55	55	55
Fuel hopper capacity	dm ³	140	140	140

* Included in the EXCLUSIVE package



BIOMASS (wood pellets)

SMARTFIRE

11, 15, 17, 22, 31, 41

WITH A SIDE-MOUNTED HOPPER



SmartFire is an advanced heating system designed for maximum efficiency, environmental performance and user safety.

Thanks to modulated output and intelligent automation, the boiler automatically adjusts its operation to current heat demand. This results in lower pellet consumption, real savings and compliance with the highest emission

standards in force in the EU. A distinctive feature of SmartFire is the cast-iron safety lock, which protects against flame backflow-guaranteeing 100% safety for the entire family.



Scan the QR code
to see more

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF 11	SF 15	SF 15/3 bar	SF 22	SF 22/3 bar	SF 31	SF 41
ENERGY EFFICIENCY CLASS	A+	A+	A+	A+	A+	A+	A+
RATED THERMAL OUTPUT	11 kW	15 kW	17 kW	22 kW	22 kW	31 kW	41 kW
ENERGY EFFICIENCY COEFFICIENT	117	119	122	118	123	118	120
SEASONAL SPACE HEATING ENERGY EFFICIENCY	80%	81%	83%	80%	83%	80%	81%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with
EU Regulation
2015/1187

* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



Stainless steel burner with automatic cleaning
– high efficiency and convenience.



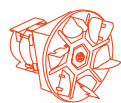
Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system
– easy operation and consistent efficiency.



Fuel hopper available in various capacities
– choose the size to suit your needs.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Automatic ash removal
– complete user convenience.



Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Internet module
– remote control and service.



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.



PARAMETERS	UNIT	SF 11	SF 15	SF 15/3 bar	SF 22	SF 22/3 bar	SF 31	SF 41
Boiler class	-	5	5	5	5	5	5	5
Thermal efficiency	%	91,2%	91,8%	93,6%	91,3%	93,6%	92,5%	91,0%
Nominal output	kW	11	15	17	22	22	31	41
Power range	kW	3,2 ÷ 11,5	4,5 ÷ 15,9	5,1 ÷ 16,7	6,4 ÷ 23,4	6,6 ÷ 22,8	9,1 ÷ 31,9	11,4 ÷ 41,9
width (fuel hopper type)								
150 L	mm	985	985	985	985	985	1115	1115
240 L	mm	1180	1180	1180	1180	1180	1310	1310
440 L	mm	1345	1345	1345	1345	1345	1475	1475
height	mm	1490	1490	1490	1490	1490	1490	1490
depth (fuel hopper type)								
150 L	mm	760	760	760	760	760	1015	1015
240 L	mm	805	805	805	805	805	1015	1015
440 L	mm	1015	1015	1015	1015	1015	1015	1015
weight (fuel hopper type)								
150 L	kg	290/320*	290/320*	330/360*	330/360*	330/360*	600/630*	600/630*
240 L	kg	300/330*	300/330*	330/360*	330/360*	330/360*	600/630*	600/630*
440 L	kg	360/390*	360/390*	390/420*	390/420*	390/420*	630/660*	630/660*
Water capacity	dm ³	37	37	43	49	49	102	102
Flue outlet diameter external/internal	mm	100 / 93	120 / 110	120 / 110	120 / 110	120 / 110	160 / 150	160 / 150
Recommended chimney diameter	mm	150	150	150	150	160	160	160
Required chimney draft	Pa/ mbar	5÷10/ 0,05÷0,10	5÷10/ 0,05÷0,10	5÷10/ 0,05÷0,10	5÷10/ 0,05÷0,10	5÷10/ 0,05÷0,10	5÷15/ 0,05÷0,15	5÷15/ 0,05÷0,15
Supply and return	inch	1	1	1	1	1	1	1
Maximum operating pressure – depends on model	bar	1,5 / 3,0	1,5 / 3,0	3,0	1,5 / 3,0	3,0	1,5 / 3,0	1,5 / 3,0
Average flue gas temperature at max. power	°C	105	120	83	130	92	110	110
Average flue gas temperature at min. power	°C	50	55	58	60	57	65	65
Maximum recommended flue gas temperature	°C	180	180	180	180	180	180	180
Maximum boiler temperature	°C	85	85	85	85	85	85	85
Recommended boiler temperature	°C	65 ÷ 80	65 ÷ 80	65 ÷ 80	65 ÷ 80	65 ÷ 80	65 ÷ 80	65 ÷ 80
Minimum return water temperature	°C	55	55	55	55	55	55	55
Fuel hopper capacity	dm ³	150, 240, 440	150, 240, 440	150, 240, 440	150, 240, 440	150, 240, 440	150, 240, 440	150, 240, 440

PACKAGE
EXCLUSIVE
SMARTFIRE





www.hkslazar.com

Premium boilers for the most demanding users



PACKAGE EXCLUSIVE SMARTFIRE

Maximum autonomy and complete heating comfort – this is what SmartFire in the EXCLUSIVE version offers. This technologically advanced boiler has been designed with user convenience, efficiency, environmental performance and safety in mind.

Thanks to intelligent automation, your only task is to refill the pellets – SmartFire takes care of everything else on its own. Modulated output allows the boiler to automatically adjust its operation to current heat demand, while ash removal may be required as little as once per season.

This means maximum comfort, real savings and compliance with the most stringent emission standards in the EU. A unique advantage of SmartFire is its cast-iron safety lock, which effectively protects against flame backflow, ensuring 100% safety for the entire family.

Scan the QR code
EXCLUSIVE
11/15/17/22/31/41



Scan the QR code
EXCLUSIVE
11/130L



* Technical specifications are available on page 12 – SmartFire.

EXCLUSIVE EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



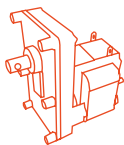
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



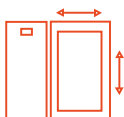
Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system
– easy operation and consistent efficiency.



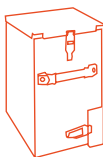
Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Fuel hopper available in various capacities
– choose the size to suit your needs.



Lambda sensor
– maximum combustion efficiency.



Automatic ash removal
– complete user convenience.



Internet module
– remote control and service.

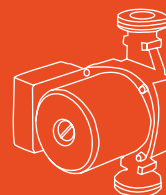


Induced draft fan
– reliable flue gas extraction and safe operation.

OPTIONAL FEATURE



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.

Safety

built into the design

Fuel safety lock

SmartFire series boilers are equipped with a fuel safety lock that protects the fuel stored in the hopper against ignition. The safety lock separates the hopper from the boiler, providing a reliable and effective safeguard against pellet fire in the fuel hopper. It also enables the installation of a pneumatic fuel transport system.



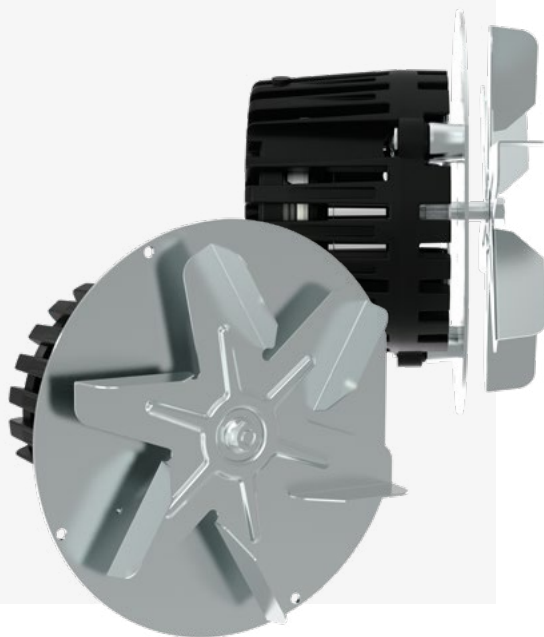


Shut-off flap

Boilers equipped with external burners of the Dspell and PelletFocus types feature a shut-off flap that separates the burner from the feeder. The flap opens under the weight of the fuel falling into the burner and then closes automatically by gravity. This solution further enhances the safety of boiler operation.

Induced draft fan

Boilers manufactured by HKS LAZAR are standardly equipped with an induced draft fan that discharges flue gases into the chimney. The fan creates negative pressure inside the boiler which, unlike a forced draft fan, minimizes the risk of smoke escaping through potential boiler leaks, worn seals or improperly closed doors. Additionally, it stabilizes the chimney draft, improving the overall operating performance of the unit.





BIOMASS (wood pellets)

SMARTFIRE

11/45

WITH A TOP-MOUNTED HOPPER



Do you have a small or low boiler room? SmartFire 11/45 is a compact yet technologically advanced pellet boiler, designed for limited spaces while delivering maximum efficiency, environmental performance and complete user safety.

Equipped with an automatic heat exchanger cleaning system, it ensures ease of operation and maintains top efficiency throughout

its entire service life. Thanks to modulated output and intelligent automation, SmartFire automatically adjusts its operation to current heat demand, resulting in lower pellet consumption, real savings and compliance with the most stringent EU emission standards.

Its outstanding feature is a cast-iron safety lock that protects against flame backflow, ensuring 100% safety for the entire family.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF 11/45
ENERGY EFFICIENCY CLASS	A+
RATED THERMAL OUTPUT	11 kW
ENERGY EFFICIENCY COEFFICIENT	117
SEASONAL SPACE HEATING ENERGY EFFICIENCY	80%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code to see more



* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



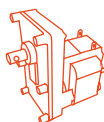
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



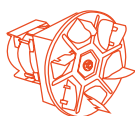
Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system
– easy operation and consistent efficiency.



Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Automatic ash removal
– complete user convenience.



Internet module
– remote control and service.



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



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PARAMETERS

UNIT

SF 11/ 45L

Boiler class	-	5
Thermal efficiency	%	91,2%
Nominal output	kW	11
Power range	kW	3,3 ÷ 11,0
Width	mm	555
Height	mm	1355
Depth	mm	760
Water capacity	l	37
Flue outlet diameter external/internal	mm	100 / 93
Recommended chimney diameter	mm	150
Required chimney draft	Pa/mbar	1 ÷ 8 / 0,01 ÷ 0,08
Supply and return	inch	1
Maximum operating pressure* – depends on model	bar	1,5 / 3,0*
Average flue gas temperature at max. Power	°C	105
Average flue gas temperature at min. Power	°C	50
Maximum recommended flue gas temperature	°C	180
Maximum boiler temperature	°C	85
Recommended boiler temperature	°C	65 ÷ 80
Minimum return water temperature	°C	55
Fuel hopper capacity	dm ³	45

* Included in the EXCLUSIVE package



BIOMASS (wood pellets)

SMARTFIRE



11 COMPACT, 15 COMPACT WITH A SIDE-MOUNTED HOPPER

SmartFire COMPACT is a small-sized yet technologically advanced pellet boiler, designed specifically for boiler rooms with limited space. It combines maximum efficiency, environmental performance and complete user safety.

Thanks to the option of installing a hopper extension, the hopper capacity can be easily increased, allowing for longer, maintenance-free operation. Modulated output and intelligent automation enable SmartFire to automatically

adjust its operation to current heat demand, resulting in lower pellet consumption, real savings and compliance with the most stringent EU emission standards.

A distinctive advantage of SmartFire is its cast-iron safety lock, which effectively protects against flame backflow, ensuring 100% safety for the entire family.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF 11	SF 15
ENERGY EFFICIENCY CLASS	A+	A+
RATED THERMAL OUTPUT	11 kW	15 kW
ENERGY EFFICIENCY COEFFICIENT	119	118
SEASONAL SPACE HEATING ENERGY EFFICIENCY	81%	80%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code to see more



* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



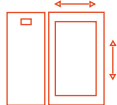
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system with a convenient lever
– easy operation and consistent efficiency.



Fuel hopper available in various capacities
– choose the size to suit your needs.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Automatic ash removal
– complete user convenience.



Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Internet module
– remote control and service.



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.

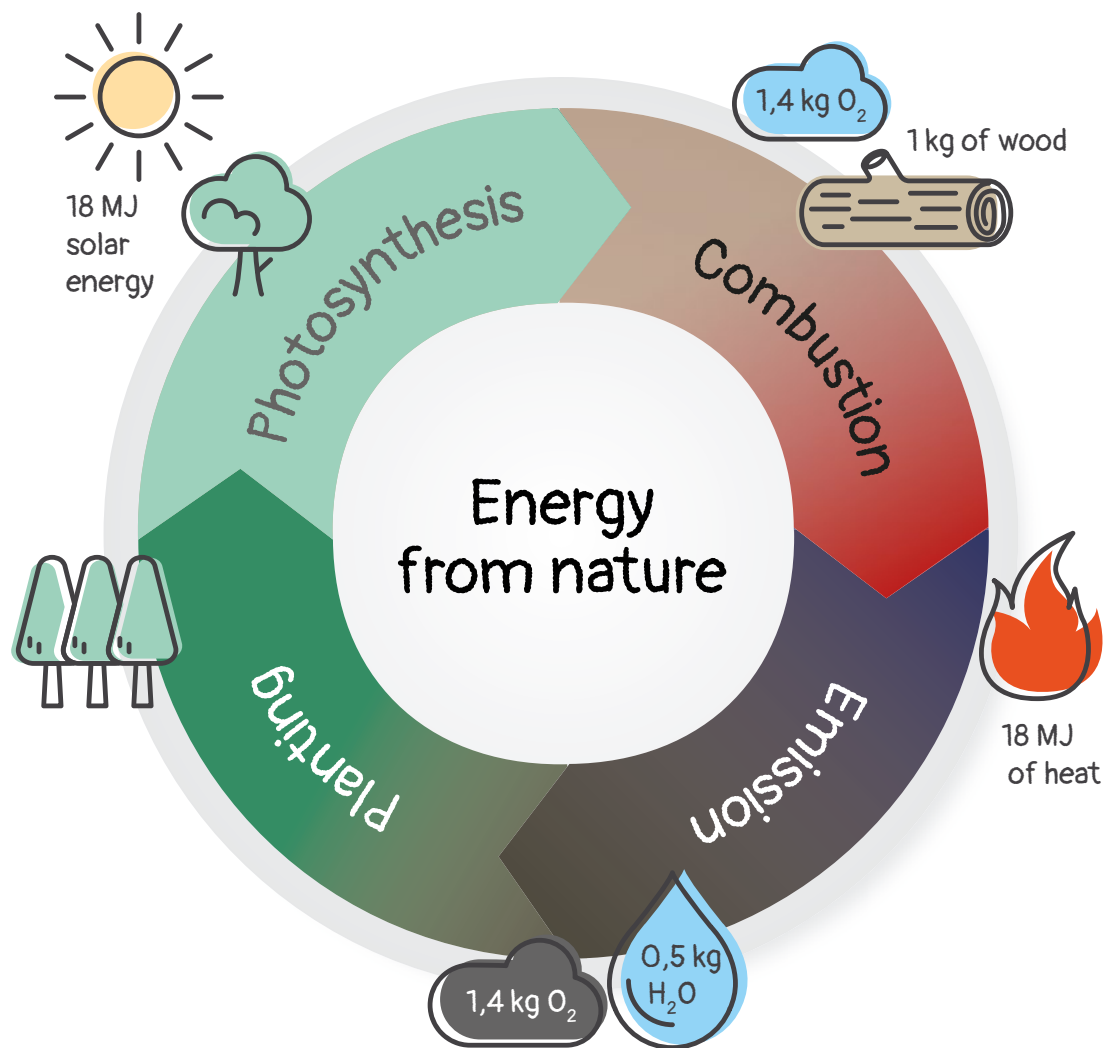


PARAMETERS	UNIT	SF 11	SF 15
Boiler class	-	5	5
Thermal efficiency	%	91,2%	91,8%
Nominal output	kW	11	15
Power range	kW	3,3 ÷ 11,0	4,5 ÷ 15,0
Width	mm	815	815
Height	mm	1200 + 485 (hopper extension)	1200 + 485 (hopper extension)
Depth	mm	795	795
Weight	kg	260/290*	260/290*
Water capacity	l	37	37
Flue outlet diameter external/internal	mm	100 / 93	120 / 110
Recommended chimney diameter	mm	150	150
Required chimney draft	Pa/mbar	1÷8 / 0,01÷0,08	1÷8 / 0,01÷0,08
Supply and return	inch	1	1
Max. Operating pressure* - depends on model	bar	1,5 / 3,0*	1,5 / 3,0*
Average flue gas temperature at max. Power	°C	105	120
Average flue gas temperature at min. Power	°C	50	55
Maximum recommended flue gas temperature	°C	180	180
Maximum boiler temperature	°C	85	85
Recommended boiler temperature	°C	65 ÷ 80	65 ÷ 80
Minimum return water temperature	°C	55	55
Fuel hopper capacity	dm³	50 + hopper extension (90 or 165)	50 + hopper extension (90 or 165)

* Included in the EXCLUSIVE package



ENERGY FROM NATURE



ENERGY THAT COMES FULL CIRCLE

1. Trees absorb CO_2 from the atmosphere → forming biomass.
2. Biomass is processed into pellets.
3. Pellets are used in the boiler → thermal energy.
4. CO_2 is released into the atmosphere.
5. Plants absorb CO_2 again → the cycle is complete.



BIOMASS (wood pellets)

SMARTFIRE

11/130

WITH A TOP-MOUNTED HOPPER



Do you have limited space in your boiler room? SmartFire 11/130 is a compact yet technologically advanced heating unit, designed for small spaces while delivering maximum efficiency, environmental performance and full user safety.

Equipped as standard with automatic heat exchanger cleaning, it provides greater ease of operation and consistently high efficiency. Thanks to modulated output and intelligent automation, SmartFire automatically adjusts

its operation to current heat demand. This results in lower pellet consumption, real savings and compliance with the highest EU emission standards.

A distinctive feature of SmartFire is its cast-iron safety lock, which protects against flame backflow and guarantees 100% safety for the entire family.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF 11
ENERGY EFFICIENCY CLASS	A+
RATED THERMAL OUTPUT	11 kW
ENERGY EFFICIENCY COEFFICIENT	117
SEASONAL SPACE HEATING ENERGY EFFICIENCY	80%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code
to see more



* For heat exchanger tightness in accordance with the warranty conditions

STANDARD EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



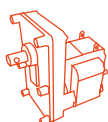
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system
– easy operation and consistent efficiency.



Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Automatic ash removal
– complete user convenience.



Internet module
– remote control and service.



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



PARAMETERS	UNIT	SF 11/130L
Boiler class	-	5
Thermal efficiency	%	91,2%
Nominal output	kW	11
Power range	kW	3,3 ÷ 11,0
Width	mm	570
Height	mm	1640
Depth	mm	930
Weight	kg	300/330*
Water capacity	l	37
Flue outlet diameter external/internal	mm	100 / 93
Recommended chimney diameter	mm	150
Required chimney draft	Pa/mbar	1 ÷ 8 / 0,01 ÷ 0,08
Supply and return	inch	1
Maximum operating pressure* – depends on model	bar	1,5 / 3,0*
Average flue gas temperature at max. Power	°C	105
Average flue gas temperature at min. Power	°C	50
Maximum recommended flue gas temperature	°C	180
Maximum boiler temperature	°C	85
Recommended boiler temperature	°C	65 ÷ 80
Minimum return water temperature	°C	55
Fuel hopper capacity	dm³	130

* Included in the EXCLUSIVE package



BIOMASS (wood pellets)

SMARTFIRE

81/530

WITH A SIDE-MOUNTED HOPPER



SmartFire 81 is a modern, technologically advanced heating boiler designed for heating larger buildings. It combines maximum efficiency, environmental performance, safety and reliability.

Thanks to modulated output and intelligent automation, SmartFire 81 automatically adjusts its operation to current heat demand. The result is lower pellet consumption, real savings and full

compliance with the most stringent EU emission standards.

High-quality components and robust design ensure reliable operation for many years. An additional advantage is the cast-iron safety lock, which effectively protects against flame backflow, guaranteeing 100% safe operation.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	SF 81
ENERGY EFFICIENCY CLASS	A+
RATED THERMAL OUTPUT	81 kW
ENERGY EFFICIENCY COEFFICIENT	119
SEASONAL SPACE HEATING ENERGY EFFICIENCY	80%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code
to see more



STANDARD EQUIPMENT



Cast-iron safety lock
– reliability and protection in every situation.



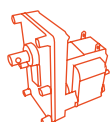
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Heat exchanger cleaning system
– easy operation and consistent efficiency.



Automatic heat exchanger cleaning
– consistently the highest possible efficiency.



Induced draft fan
– reliable flue gas extraction and safe operation.



Lambda sensor
– maximum combustion efficiency.

ADDITIONAL OPTIONS

Automatic ash removal
– complete user convenience.



Internet module
– remote control and service.



VACUUM system
– automatic pellet transport from a large hopper.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



PARAMETERS

UNIT

SF 81/530L

Boiler class	-	5
Thermal efficiency	%	92,9
Nominal output	kW	81
Power range	kW	24,3 ÷ 81,0
Width	mm	530 L - 1300
Height	mm	530 L - 1980
Depth	mm	530 L - 1560
Water capacity	dm ³	285
Flue outlet diameter internal	mm	200 / 190
Recommended chimney diameter	mm	200
Required chimney draft	Pa/mbar	10 ÷ 20 / 0,10 ÷ 0,20
Supply and return	inch	1½
Maximum operating pressure* – depends on model	bar	1,5 / 3,0*
Average flue gas temperature at max. Power	°C	100
Average flue gas temperature at min. Power	°C	70
Maximum recommended flue gas temperature	°C	180
Maximum boiler temperature	°C	85
Recommended boiler temperature	°C	65 ÷ 80
Minimum return water temperature	°C	55
Fuel hopper capacity	dm ³	530

* Included in the EXCLUSIVE package



BIOMASS (wood pellets)

PELLETFOCUS



PF 20/220s, PF 20/310, PF 20/350s, PF20/470

WITH A SIDE-MOUNTED HOPPER

PelletFocus is a modern pellet boiler that combines ease of operation with flexible installation in virtually any boiler room.

An external hopper that can be installed on either the left or right side allows the boiler to be perfectly adapted to the layout of the room.

Large front-mounted doors on the heat exchanger provide quick and convenient access to the burner and heat exchange surfaces, making cleaning and maintenance significantly easier.

The unit offers weather-compensated control, modulated output, automatic ignition and shutdown, as well as an induced-draft fan that enhances safety and user comfort.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	PF 20
ENERGY EFFICIENCY CLASS	A+
RATED THERMAL OUTPUT	20 kW
ENERGY EFFICIENCY COEFFICIENT	119
SEASONAL SPACE HEATING ENERGY EFFICIENCY	81%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

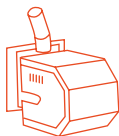
Scan the QR code to see more



STANDARD EQUIPMENT



Fire protection flap
– additional protection against flame backflow.



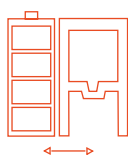
Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Large loading door
– easy loading even of larger logs.



Fuel hopper in various capacities (left- or right-side installation)
– tailored to your needs.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency



Internet module
– remote control and service.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



PARAMETERS	UNIT	PF 20
Boiler class	-	5
Thermal efficiency	%	91,5
Nominal output	kW	20
Power range	kW	6,0 ÷ 20,1
Boiler width	mm	456
Boiler height	mm	1471
Boiler depth	mm	786
Weight	kg	450
Water capacity	l	53
Flue outlet diameter external/internal	mm	150
Recommended chimney diameter	mm	160
Required chimney draft	Pa/mbar	10 ÷ 20 / 0,10 ÷ 0,20
Supply and return	inch	1
Maximum operating pressure* – depends on model	bar	1,5/3,0*
Average flue gas temperature at max. Power	°C	100
Average flue gas temperature at min. Power	°C	60
Maximum recommended flue gas temperature	°C	180
Maximum boiler temperature	°C	85
Recommended boiler temperature	°C	65 ÷ 80
Minimum return water temperature	°C	55
Fuel hopper capacity	dm³	220s/310/350s/470

HOPPER DIMENSIONS

PF 20/220s

Width	600
Height	1240
Depth	600

PF 20/310

Width	600
Height	1490
Depth	600

PF 20/350s

Width	740
Height	1240
Depth	740

PF20/470

Width	740
Height	1490
Depth	740



TRADITION
THAT PROVIDE
SECURITY

DES



energy from nature

Premium boilers for the most demanding users

www.hkslazar.com



BIOMASS (wood pellets) / WOOD

DS COMBI



DS COMBI 10/20

WITH AN EXTERNAL BURNER AND HOPPER

DScombi is a modern hybrid boiler for wood and pellets, offering complete freedom of fuel choice without the need for dismantling or structural modifications. Switching between operating modes is quick and convenient – simply select the desired fuel on the controller and adjust the air dampers accordingly. As standard, the boiler is equipped with a cooling coil for enhanced safety and simplified installation.

Large loading doors and a spacious combustion chamber make it easy to burn large logs, while

the high-capacity hopper ensures long operating times on pellets. The new-generation burner with a moving grate automatically removes ash and deposits, maintaining high efficiency even when using lower-quality pellets.

A ceramic combustion chamber, wood gasification technology and an easy-to-clean heat exchanger ensure efficient use of the fuel's energy. The entire system is managed by an intuitive weather-compensated controller.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER

ENERGY EFFICIENCY CLASS

NOMINAL HEAT OUTPUT – WOOD

NOMINAL HEAT OUTPUT – PELLET

ENERGY EFFICIENCY INDEX – WOOD

ENERGY EFFICIENCY INDEX – PELLET

SEASONAL SPACE HEATING ENERGY EFFICIENCY – WOOD

SEASONAL SPACE HEATING ENERGY EFFICIENCY – PELLET

DS COMBI 10/20

A+

10 kW

20 kW

116,02

117,32

78,68 %

79,32 %

Special precautions during installation, setup or maintenance of a solid fuel boiler: All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code to see more.



STANDARD EQUIPMENT



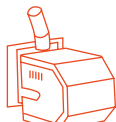
Fire protection flap
– additional protection against flame backflow.



Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Pellet burner + wood firebox
– freedom to choose your fuel.



Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Cooling coil
– safety and easier installation.



Induced draft fan
– reliable flue gas extraction and safe operation.



Short flue gas bypass
– ensures easier boiler start-up and reliable chimney draft.



Ceramic nozzle
– stable combustion with lower emissions.



Large loading door
– easy loading, even with larger logs.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Internet module
– remote control and service.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.



PARAMETERS

PARAMETERS	UNIT	DS COMBI 10/20
Boiler class	-	5
Thermal efficiency – wood	%	91,07
Thermal efficiency – pellet	%	92,04
Nominal output - wood	kW	10
Nominal output - pellet	kW	20
Output range - pellet	kW	5,4-20,3
Width	mm	560
Height	mm	1450
Depth	mm	915
Boiler weight	kg	355
Water capacity	dm ³	59
Flue outlet diameter outer/inner	mm	120/110
Recommended chimney diameter	mm	120-150
Required chimney draft	Pa/mbar	10 ÷ 20 / 0,10 ÷ 0,20
Supply and return connections	inch	1 ½
Max. operating pressure – *depends on the model	bar	1,5/3,0*
Average flue gas temp. at max. output - wood	°C	91
Average flue gas temp. at min. output - pellet	°C	82
Average flue gas temp. at min. output	°C	71
Maximum boiler temperature	°C	85
Recommended boiler temperature	°C	70 ÷ 80
Min. return water temperature	°C	65
Fuel hopper capacity	dm ³	220s/310/350s/470

HOPPER DIMENSIONS

220s

Width	600
Height	1240
Depth	600

310

Width	600
Height	1490
Depth	600

350s

Width	740
Height	1240
Depth	740

470

Width	740
Height	1490
Depth	740



BIOMASS (wood pellets) / WOOD

DSPELL



10/15, 10/20, 20/15, 20/20

WITH AN EXTERNAL BURNER AND HOPPER

DSpell is a heating boiler that combines flexible fuel choice with efficiency and user comfort. You can decide what is more cost-effective at any given time – firewood or pellets.

The automatic feeder and large pellet hopper provide full convenience – the boiler doses the fuel automatically and maintains a stable temperature, making it an ideal everyday solution. As standard, DSpell is equipped with a cooling coil, which increases safety while simplifying the installation and reducing its cost.

Thanks to the movable grate and an automatically cleaned burner, the unit handles lower-quality pellets without difficulty while maintaining high efficiency.

Large loading doors, a spacious combustion chamber, weather-compensated control and an intuitive touchscreen display make operating the DSpell boiler simple and comfortable – both in manual and automatic modes.

The modern boiler design ensures high efficiency and economical operation.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER

ENERGY EFFICIENCY CLASS

NOMINAL HEAT OUTPUT – WOOD

NOMINAL HEAT OUTPUT – PELLET

ENERGY EFFICIENCY INDEX – WOOD

ENERGY EFFICIENCY INDEX – PELLET

SEASONAL SPACE HEATING ENERGY EFFICIENCY – WOOD

SEASONAL SPACE HEATING ENERGY EFFICIENCY – PELLET

DSPELL
10/15

A+

10 kW

15 kW

117

118

80%

80%

DSPELL
10/20

A+

10 kW

20 kW

117

117

80%

79%

DSPELL
20/15

A+

20 kW

15 kW

117

118

80%

80%

DSPELL
20/20

A+

20 kW

20 kW

117

117

80%

79%

Special precautions during installation, setup or maintenance of a solid fuel boiler: All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

Scan the QR code to see more



EU Regulation
2015/1187

STANDARD EQUIPMENT



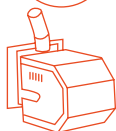
Fire protection flap
– additional protection against flame backflow.



Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Pellet burner + wood firebox
– freedom to choose your fuel.



Stainless steel burner with automatic cleaning
– high efficiency and convenience.



Color touchscreen weather-compensated controller
– energy savings and comfortable control.



Cooling coil
– safety and easier installation.



Induced draft fan
– reliable flue gas extraction and safe operation.



Short flue gas bypass
– ensures easier boiler start-up and reliable chimney draft.



Ceramic nozzle
– stable combustion with lower emissions.



Large loading door
– easy loading, even with larger logs.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Internet module
– remote control and service.



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.



PARAMETERS	UNIT	DSPELL 10/15	DSPELL 10/20	DSPELL 20/15	DSPELL 20/20
Boiler class	-	5	5	5	5
Thermal efficiency – wood	%	91,8	91,8	91,5	91,5
Thermal efficiency – pellet	%	92,1	90,9	92,1	90,9
Nominal output – wood	kW	10	10	20	20
Nominal output – pellet	kW	15	20	15	20
Output range – pellet	kW	4,40 ÷ 15,38	5,92-20,09	4,40-15,38	5,92-20,09
Width	mm	560	560	560	560
Height	mm	1250	1250	1250	1250
Depth	mm	790	790	790	790
Boiler weight	kg	350	350	350	350
Flue outlet diameter outer/inner	mm	160 / 150	160 / 150	160 / 150	160 / 150
Supply and return connections	inch	1 ½	1 ½	1 ½	1 ½
Max. operating pressure* - depends on the model	bar	1,5 / 3,0	1,5 / 3,0	1,5 / 3,0	1,5 / 3,0
Required chimney draft	Pa/ mbar	10 – 20/0,10-0,20	10 – 20/0,10-0,20	10 – 20/0,10-0,20	10 – 20/0,10-0,20
Maximum boiler temperature	°C	85	85	85	85
Average flue gas temp. at nominal output – wood	°C	122	122	136	136
Average flue gas temp. at nominal output – pellet	°C	85	108	85	108
Average flue gas temp. at min. output – pellet	°C	71	74	71	74
Noise level (acc. to PN-EN 15036-1:2006)	dB	below 75	below 75	below 75	below 75
Water capacity	l	60	60	60	60
Min. return water temperature	°C	65	65	65	65
Fuel hopper capacity	dm³	210s/310	210s/310	210s/310	210s/310

HOPPER DIMENSIONS	210s		310	
	Width	600	600	600
	Height	1240	1490	1490
	Depth	600	600	600



WOOD

DS

10,20

WITH A MOVABLE BOTTOM-COMBUSTION GRATE FOR WOOD GASIFICATION



The DS boiler combines simplicity, efficiency, and complete independence. It can operate without electrical power and uses widely available, inexpensive fuel – firewood. This solution is perfect for users who value tradition and reliability.

As a standard, the DS boiler is equipped with a cooling coil, which enhances safety and simplifies installation while reducing costs. Large loading doors, a spacious combustion chamber, and intuitive operation, similar to traditional boilers, ensure comfortable daily use.

Thanks to the ceramic combustion chamber, modern wood gasification burner, and efficient heat exchanger, the DS boiler achieves very high efficiency and allows for real savings during operation.

Importantly, the DS boiler can be easily expanded with additional components – from the hydraulic set with a thermostatic valve and energy-saving pump, to modern controllers with an induced-draft fan, up to a full set for upgrading to an automatic pellet boiler (DSpell).

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER

DS 10

DS 20

ENERGY EFFICIENCY CLASS

A+

A+

RATED THERMAL OUTPUT

10 kW

20 kW

ENERGY EFFICIENCY COEFFICIENT

117

117

SEASONAL SPACE HEATING
ENERGY EFFICIENCY

80%

80%

Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code
to see more



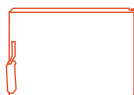
STANDARD EQUIPMENT



Cooling coil
– safety and easier installation.



Ceramic nozzle
– stable combustion with lower emissions.



Large loading door
– easy loading even of larger logs.



Short flue gas bypass
– ensures easier boiler start-up and reliable chimney draft.

ADDITIONAL OPTIONS

BASIC 01 controller + exhaust fan
– chimney draft support



PREMIUM 21 controller + exhaust fan
– advanced control and chimney draft support



Integrated hydraulic kit
– thermostatic valve + energy-efficient pump.



Upgrade kit for DSpell
– convert the DS boiler into an automatic pellet boiler



Induced draft fan
– reliable flue gas extraction and safe operation.



www.hkslazar.com

PARAMETERS	UNIT	DS 10	DS 20
Boiler class	-	5	5
Thermal efficiency	%	91,7 %	91,2 %
Nominal output	kW	10	20
Fuel consumption at nominal output	kg / h	~ 2,8	~ 5,4
Width	mm	560	560
Height	mm	1130	1130
Depth	mm	790	790
Boiler weight	kg	350	350
Flue outlet diameter outer/inner	mm	160 / 150	160 / 150
Supply and return connections	inch	1¼	1¼
Max. operating pressure* - depends on the model	bar	1,5 / 3,0	1,5 / 3,0
Required chimney draft	Pa/mbar	15 – 30/0,15-0,30	15 – 30/0,15-0,30
Maximum boiler temperature	°C	85	85
Average flue gas temp. at nominal output	°C	122	136
Recommended boiler temperature	°C	70 ÷ 80	70 ÷ 80
Noise level (acc. to PN-EN 15036-1:2006)	dB	below 75	below 75
Water capacity	l	60	60
Min. return water temperature	°C	65	65

Premium boilers for the most demanding users



WOOD

HOLZMASTER U21



WITH A CERAMIC WOOD GASIFICATION BURNER

HolzMaster U21 is a compact and highly efficient wood gasification boiler, designed with ecology, safety and user comfort in mind. Thanks to its compact dimensions, it is perfectly suited even for smaller boiler rooms, while maintaining full output and reliable operation.

The ceramic burner efficiently utilizes the energy from gases produced during the wood gasification process, delivering real savings and environmentally friendly heating. An advanced controller with a flue gas sensor precisely

supervises the unit's operation, ensuring safety and stable performance.

An induced-draft fan and a short-circuit pocket minimize the risk of flue gas backflow, providing cleanliness and comfort in the boiler room. A large loading chamber allows the use of very large logs, extending firing cycles and increasing ease of use. HolzMaster combines compact size, high efficiency and ecological performance – a reliable heat source for many years.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER

HMU21

ENERGY EFFICIENCY CLASS

A+

RATED THERMAL OUTPUT

21 kW

ENERGY EFFICIENCY COEFFICIENT

118

**SEASONAL SPACE HEATING
ENERGY EFFICIENCY**

81%

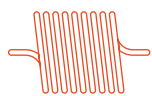
Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code
to see more



STANDARD EQUIPMENT



Cooling coil
– safety and easier installation.



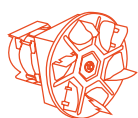
Ceramic nozzle
– stable combustion with lower emissions.



Large loading door
– easy loading even of larger logs.



Short flue gas bypass
– ensures easier boiler start-up and reliable chimney draft.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Internet module
– remote control and service.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



PARAMETERS

UNIT

HMU 21

Boiler class	-	5
Thermal efficiency	%	92 %
Nominal output	kW	21
Fuel consumption at nominal output	kg / h	~ 5,8
Width	mm	607
Height	mm	1202
Depth	mm	883
Weight	kg	500
Loading chamber dimensions:		
Width height depth	cm	41 48 59
Loading chamber capacity	l	105
Flue outlet diameter external/internal	mm	160 / 150
Supply and return	inch	1¼
Maximum operating pressure	bar	3,0
Required chimney draft	Pa/mbar	5 ÷ 15 / 0,05 ÷ 0,15
Maximum boiler temperature	°C	80
Average flue gas temperature at nominal output	°C	140
Recommended boiler temperature	°C	70 ÷ 80
Noise level (according to pr-en 15036-1:2006)	dB	> 75
Water capacity	l	132
Minimum return water temperature	°C	65



WOOD

HOLZMASTER



WITH A CERAMIC WOOD GASIFICATION BURNER

HolzMaster is a modern wood gasification boiler designed for high efficiency, safety and user comfort. The ceramic burner ensures efficient combustion of gases produced during the wood gasification process, resulting in real savings and environmentally friendly heating.

The unit's operation is supervised by an advanced controller with a flue gas sensor, providing precise control of the combustion process and full safety. In addition, the use of an induced-draft fan and a short-circuit pocket

minimizes the risk of flue gases escaping into the boiler room, giving the user confidence in clean and safe operation.

A large and spacious loading chamber allows even very large logs to be burned, significantly extending firing cycles and increasing ease of use.

HKS LAZAR Spółka z o. o.

MODEL IDENTIFIER	HM 20
ENERGY EFFICIENCY CLASS	A+
RATED THERMAL OUTPUT	20 kW
ENERGY EFFICIENCY COEFFICIENT	116
SEASONAL SPACE HEATING ENERGY EFFICIENCY	79%

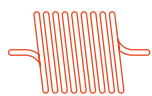
Special precautions during installation, setup or maintenance of a solid fuel boiler:
All requirements regarding installation, setup and maintenance specified in the appliance operating instructions must be strictly observed.

In accordance with EU Regulation 2015/1187

Scan the QR code to see more



STANDARD EQUIPMENT



Cooling coil
– safety and easier installation.



Ceramic nozzle
– stable combustion with lower emissions.



Large loading door
– easy loading even of larger logs.



Short flue gas bypass
– ensures easier boiler start-up and reliable chimney draft.



Induced draft fan
– reliable flue gas extraction and safe operation.

ADDITIONAL OPTIONS

Lambda sensor
– maximum combustion efficiency.



Internet module
– remote control and service.



Integrated hydraulic kit
– thermostatic valve
+ energy-efficient pump.



PARAMETERS	UNIT	HM 20
boiler class	-	5
thermal efficiency	%	90,6 %
nominal output	kW	20
fuel consumption at nominal output	kg / h	~ 5,5
width	mm	770
height	mm	1565
depth	mm	1075
weight	kg	600
flue outlet diameter external/internal	mm	160 / 150
flow and return connections	inch	1¼
maximum operating pressure* – depends on model	bar	1,5 / 3,0*
required chimney draft	Pa/mbar	5 ÷ 15 / 0,05 ÷ 0,15
maximum boiler temperature	°C	80
average flue gas temperature at nominal output	°C	140
recommended boiler temperature	°C	70 ÷ 80
noise level (according to PN-EN 15036-1:2006)	dB	below 75
water capacity	l	132
minimum return water temperature	°C	65



SANISMART

EFFICIENT, HYGIENIC AND MODERN 2-IN-1 SOLUTION

Learn more
about:



Buffer tank and DHW in one unit

Combination of a buffer tank and domestic hot water tank in one compact unit – simpler installation, lower costs and space saving.



Hygienic stainless steel coil

Domestic water flows through a stainless steel coil, ensuring maximum durability and sanitary safety.



Always fresh domestic water – no legionella risk

Water is not stored in the tank – it is heated instantaneously when needed. This effectively prevents legionella growth.



High-performance solar coil

Made of stainless steel, the specially designed coil achieves up to 50% higher efficiency than a traditional carbon steel coil.



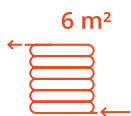
Compact and well-designed construction

One device instead of two – less boiler room space, fewer installation components, faster installation.



Universal application

Ideal for systems based on pellet or wood boilers, heat pumps and water-jacket fireplaces. With an additional coil version, it also works perfectly with solar installations.



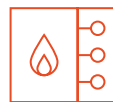
High heat transfer efficiency – high-performance DHW coil 6 m²

Specially designed coil construction and large exchange surface ensure fast and effective DHW heating.



Maximum hygiene in operation

No DHW storage in the tank and contact only with stainless steel guarantee exceptional water cleanliness and quality.



Integration of multiple heat sources

The tank enables simultaneous operation of multiple heat sources, storing energy and increasing overall system efficiency.



Energy saving

Only the amount of water actually needed is heated, without the need to overheat to 70°C for bacteria elimination.



Effective insulation – 10 cm

Specially designed graphite insulation, together with insulating layers on the top and bottom of the tank and on unused connections, provides excellent thermal protection and significantly reduces heat loss, helping to save energy.



Integrated System Operation

TH/THS tanks integrate the entire heating system, enabling the connection and coordinated operation of multiple heat sources: a gas or solid-fuel boiler, a fireplace with a water jacket, solar collectors, a PV system with an electric heating element, and a heat pump. At the same time, they serve as a thermal buffer with hygienic domestic hot water (DHW) preparation in an internal coil, replacing the traditional setup of two separate tanks. This solution simplifies the hydraulic system, reduces the number of installation components, and significantly lowers the cost of setting up the boiler room.



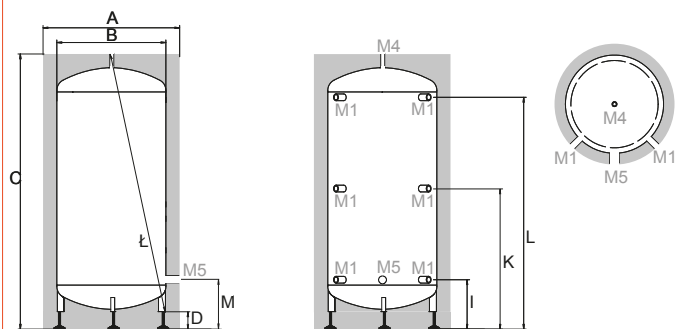
EFFICIENT,
HYGIENIC
AND MODERN
2-IN-1 SOLUTION



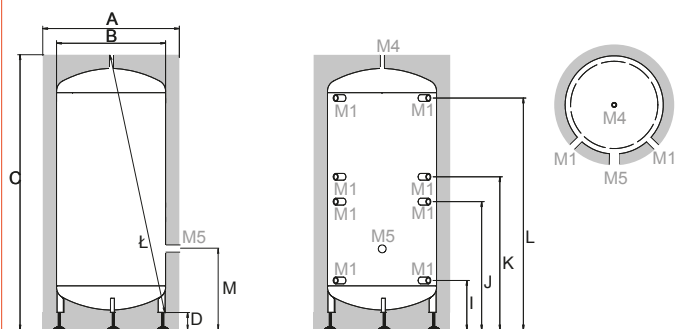
High-performance
solar coil



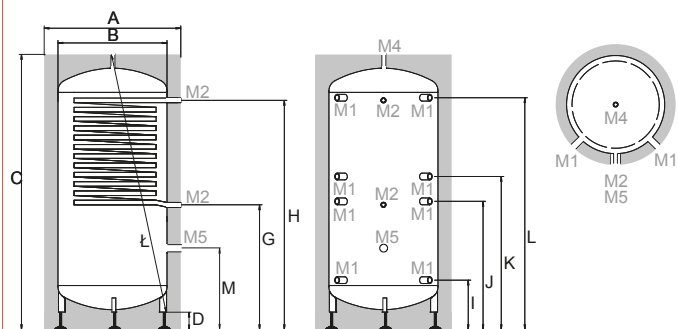
Model:
TB/350



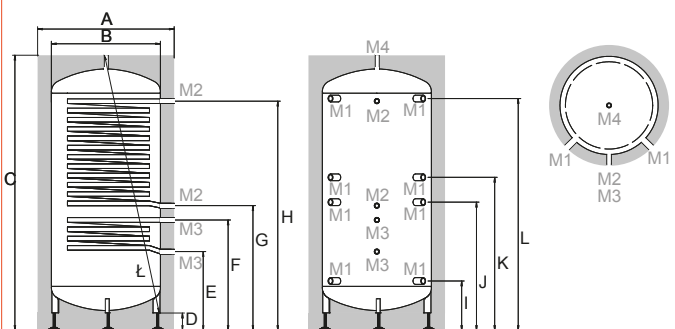
Model:
TB/550, TB/850, TB/1000



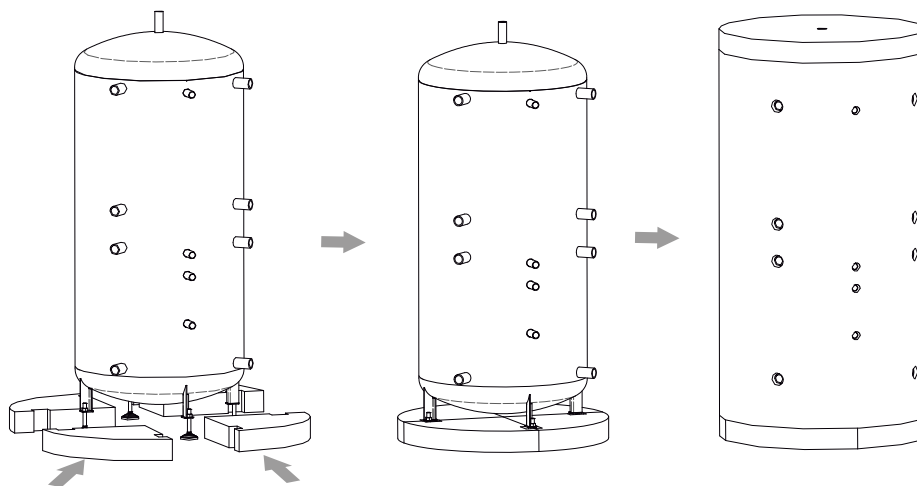
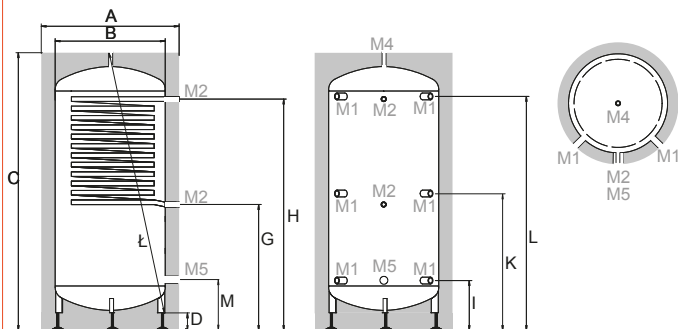
Model:
TH/550/6, TH/850/6, TH/1000/6



Model:
THS/550/6/1,7, THS/850/6/1,5, THS/1000/6/1,7



Model:
TH/350/6



SANISMART

TANKS

	TH/350/6	TB/350	TH/550/6	THS/550/6/1,7	TB/550	TH/850/6	THS/850/6/1,7	TB/850	TH/1000/6	THS/1000/6/1,7	TB/1000
A	790			940			1030			1030	
B	550			700			790			790	
C	1709			1775			1971			2071	
D	100			100			100			100	
E	-		-	370	-	-	548	-	-	648	-
F	-		-	599	-	-	777	-	-	877	-
G	415	-		703	-		881	-		981	-
H	1409	-		1460	-		1638	-		1738	-
I	283			317			335			335	
J	-			809			906			956	
K	864			987			1086			1136	
L	1445			1479			1657			1757	
Ł	1645			1725			1925			2025	
M	283		370	-	370	548	-	548	648	-	648

M1 5/4" L	6						8				
M2 1" L	2	-	2	2	-	2	2	-	2	2	-
M3 1" L	-		-	2	-	-	2	-	-	2	-
M4 3/4" L							1				
M5 6/4" L	1	1	1	-	1	1	-	1	1	-	1

DHW coil surface area (m²)	6	-	6	6	-	6	6	-	6	6	-
Solar coil surface area (m²)	-	-	-	1,7	-	-	1,7	-	-	1,7	-
Maximum tank volume (litres)	327			548			789			833	
Actual capacity (litres)	295	327	515	499	548	756	749	789	799	798	833
Energy efficiency class	B			B			B			B	

The presented values are design parameters.



20021020

Premium boilers for the most demanding users

PELLET TRANSPORT AND STORAGE SYSTEMS

VACUUM TRANSPORT SYSTEM



PELLET TRANSPORT SYSTEM – VACUUM

A pneumatic pellet suction system for transferring pellets from a larger hopper to the SmartFire boiler. The set includes: motor, mounting bracket, independent controller and housing.



DISTRIBUTOR

The device allows the installation of multiple suction probes in a larger hopper, making it easier to utilize its full capacity.



SUCTION PROBE

A device installed in an additional pellet hopper, used for smooth and continuous fuel suction.



AUGER FEEDER

A device designed for independent installation.

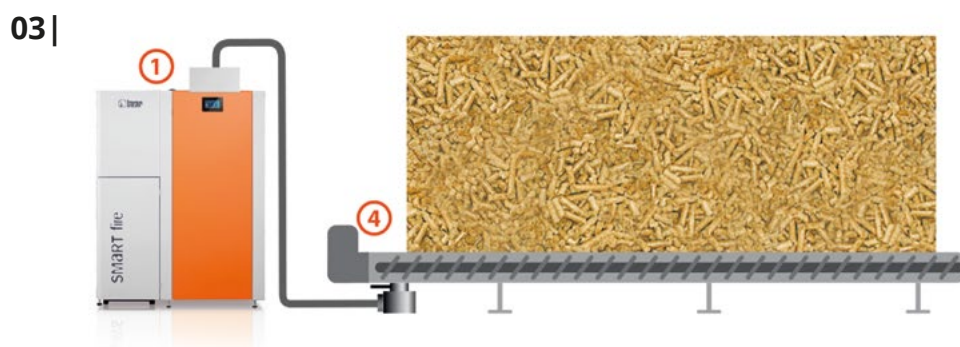
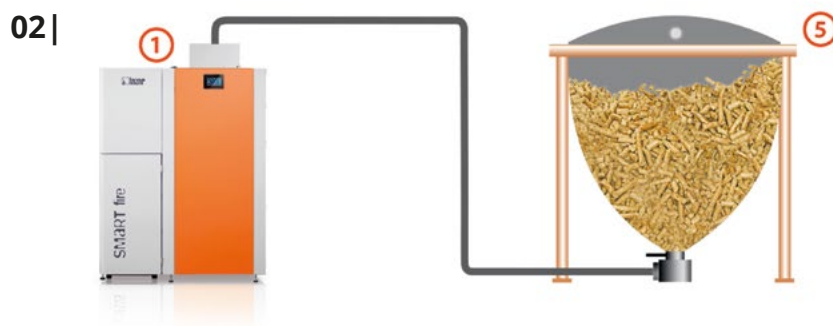
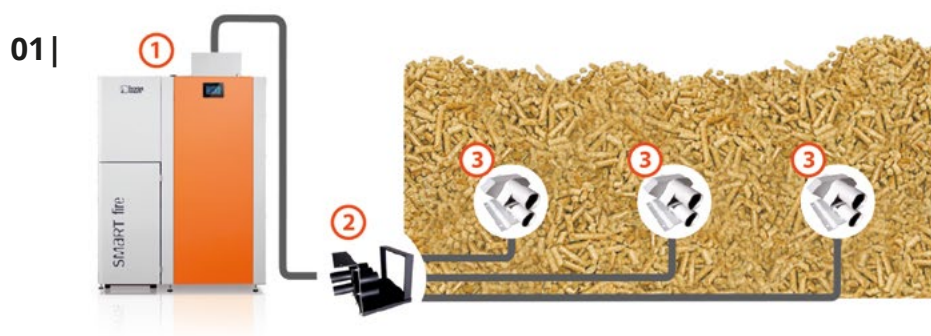
AUGER FEEDER SYSTEMS



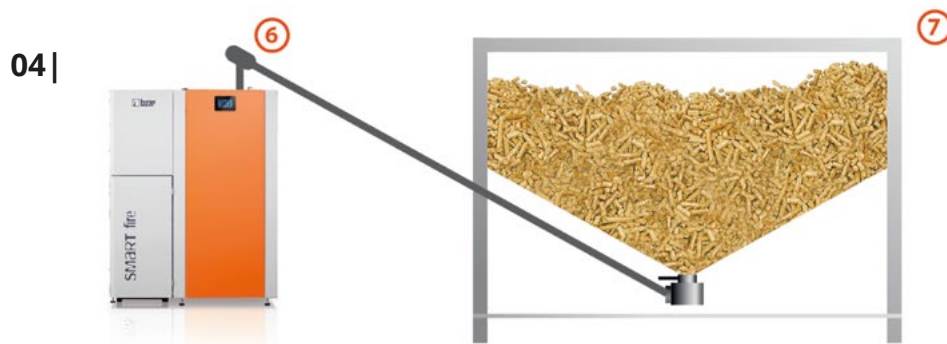
ADDITIONAL PELLET FEEDER

The feeder is equipped with a mass sensor.

VACUUM SYSTEMS



AUGER FEEDER SYSTEMS



Opis:

- | | |
|----------------------------|--------------------------|
| 1. Vacuum | 5. Fabric silo |
| 2. Distributor | 6. Straight auger feeder |
| 3. Suction probe | 7. Metal silo |
| 4. Horizontal auger feeder | |

Distributor:

Energy from nature – heat that powers the future



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