

# Product catalogue **2025**

Valid date 1.2.2025



**HEAT TECHNOLOGY MANUFACTURER**



**30**

1995 - 2025  
YEARS OF COMPANY

[www.boilers-attack.com](http://www.boilers-attack.com)

# ABOUT THE COMPANY ATTACK



## ABOUT THE COMPANY ATTACK, S.R.O.

- The largest Slovak producer of heat technology with purely Slovak capital and sole owner
- Satisfied customers in more than 49 countries of the world
- Wide assortment of products
- 44 sale points in Slovak republic
- 705 service points in Slovak Republic
- More than 150 employees
- The ATTACK, s.r.o. company is holder of the quality certificate ISO 9001 for boiler manufacturing, service and management

## AWARDS



The ATTACK, s.r.o. company struggles to make every product to be among the best in its class. Almost all our product groups have achieved plenty of awards at domestic and international exhibitions, given by the committee of specialists.

## PRODUCT PORTFOLIO

The product portfolio of the ATTACK, s.r.o. company is characterized by wide assortment of the ATTACK® products, classified by concrete product type, output and kind of fuel.

- wood
- natural gas / LPG-propane
- accumulation tanks
- heat pumps
- wood pellets, i.e. biomass
- electrical energy
- D.H.W. tanks
- Fancoil unit

In this moment the ATTACK, s.r.o. company has the widest product portfolio in comparison with the competitors.

## CERTIFICATES

The ATTACK, s.r.o. company is holder of the quality certificate ISO 9001. The company ATTACK gained the certificate Bisnode Selected Premium Company for the year 2018, only serious companies that have demonstrated their financial stability, successful history and innovativeness can receive this certificate.



All the ATTACK articles are quality premium products made by the latest technology and they are approved and tested for the CE, TÜV, and GOST certificates, granted by world prestigious test institutes



# ABOUT THE COMPANY ATTACK



## RESEARCH AND DEVELOPMENT

The ATTACK, s.r.o. company has its own research and development centre. The company emphasizes development of sophisticated and innovative products of high quality, competitive on the European as well as on the world markets.

All the ATTACK® products are designed and developed in conformity with appropriate norms, specifications, juridical and other prescriptions. Suitable components are selected under the strictest criteria. Only reliable and by long-time utilization approved components and materials from prestigious suppliers can be used for assembly of the ATTACK® boilers. The ATTACK, s.r.o. does not cooperate in development with other producers, but struggles to be a step before the competition.

## THE ATTACK PRODUCTION PLANT

### Assembly of the floor standing and wall hung boilers

The ATTACK, s.r.o. manufactures their products in the own production halls. Production is divided into the manufacture of biomass boilers from cast iron and steel, wall hung gas boilers and floor standing cast iron boilers.

### Production of the biomass boilers

The ATTACK, s.r.o. disposes with the latest and the most advanced technology for boiler production (robotized welding workstations, laser workstation, CNC workstation, etc.) which exceeds the actual European standard in many ways and markedly increases quality and service life of the final products.

### Technology of the biomass boiler production

There are the highest requirements for the ATTACK® product quality. The boilers are made from the special boiler sheet metal.



## WHY TO CHOOSE THE ATTACK TRADEMARK?

- The company produced more than 600 000 pieces of products until now
- The latest production technologies used to manufacture the ATTACK® products
- Innovative solutions

- Excellent customer and emission values of the products
- Complete technical support
- Top products of the best quality, functionality and design
- Training organized for customers and partners anywhere in the world
- Wide assortment of products for biomass and gas and solar technique from one manufacturer

# THE WOOD GASIFYING BOILER

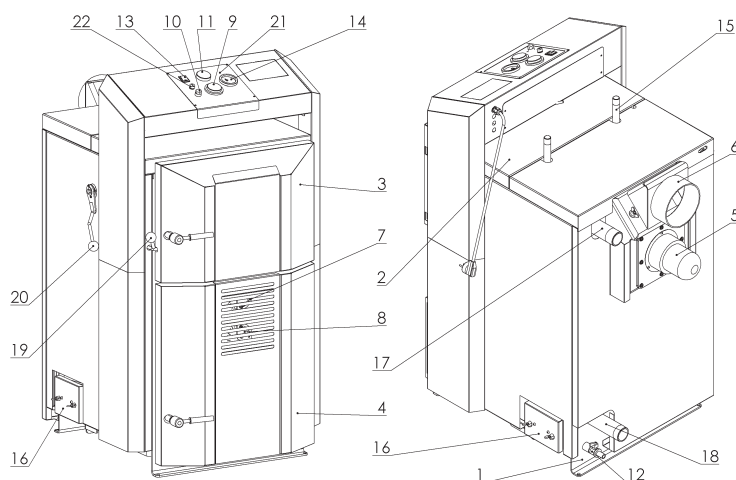
The wood gasifying boilers **ATTACK DPX** in the versions **STANDARD, PROFI, LAMBDA** and **COMBI Pellet** are intended for economical and ecological heating of dwelling houses, cottages, small plants, work rooms and similar objects. Prescribed fuels for **the ATTACK DPX boilers** are dry wood and pellets. By full utilization of the feeding chamber there is possibility of the continual burning for 8–12 hours.

## BOILER ADVANTAGES

- Modern and innovative boiler design
- High efficient tubular exchanger “flue gas-water” with turbulators
- Long time approved construction, thousands of the satisfied customers
- Boiler efficiency of 86,5–91,3 %
- Wide output range of 15–100 kW
- 4 modifications – STANDARD, PROFI, LAMBDA and COMBI Pellet
- High combustion efficiency of 91 % ensured by the tubular heat exchanger with movable turbulators
- Extraordinary voluminous feeding chamber of the boiler, which ensures longer burning by one fuel load
- Burns soft and hard wood and wood briquettes

- Possibility to load big wood logs – length of the feeding chamber is 580 mm (by 25 kW and higher outputs) and enables to load the wood logs of half-meter, which saves time by chopping the wood
- Minimum of ash
- User comfort, reliability of operation, easy use and maintenance
- Suction fan for balanced and effective burning and dustless operation
- Automatic regulation of the heat-up flap, which is connected with the door of the feeding chamber
- Fluently modulated fan rotations (modification PROFI, LAMBDA)
- Automatic boiler stop when fuel burns out
- Option of the LAMBDA modification – the most advanced technology for the burning process regulation, which ensures the excellent values of emissions and efficiency
- Left and right door version
- Possibility to burn alternative fuel types like olive pits and pit crumb in the automatic burners with of 30 and 50 kW output – the COMBI Pellet modification
- Equipped with aftercooling circuit against overheating of boiler in the water
- Refractory pieces are resistant up to the temperature of 1 350 °C, which ensure better parameters of burning
- The boiler fulfils criteria of the highest class under the European norm EN303-5
- Attention: The Attack DPX 15 boiler is not equipped with turbulators and it has to be cleaned by the tools delivered.

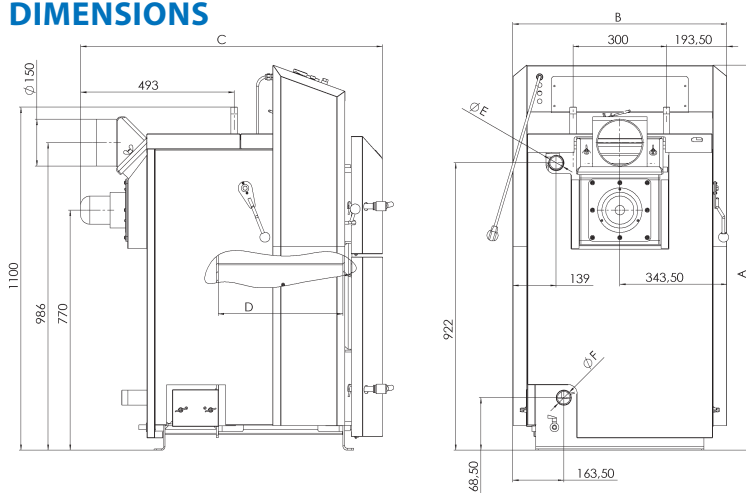
## DESCRIPTION OF THE BOILER ATTACK DPX



### KEY:

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Boiler body                    | 12. Inlet valve                   |
| 2. Front upper cover              | 13. Main switch                   |
| 3. Feeding door                   | 14. Thermo-manometer              |
| 4. Door of the combustion chamber | 15. Aftercooling circuit          |
| 5. Suction fan                    | 16. Cover of the cleaning opening |
| 6. Chimney                        | 17. C.H. flow connection          |
| 7. Primary air suction            | 18. C.H. return connection        |
| 8. Secondary air suction          | 19. Pull rod of the chimney flap  |
| 9. Boiler thermostat              | 20. Lever of turbulators          |
| 10. Reset of emergency thermostat | 21. Control panels                |
| 11. Flue gas thermostat           | 22. Electrical fuse               |

## DIMENSIONS





## TECHNICAL PARAMETERS

A+ A+ A+ A+ A+ A+ A+ A+

Parametr	Unit	DPX15	DPX25	DPX30	DPX35	DPX40	DPX45	DPX80	DPX100
Output	kW	15	25	30	35	40	45	80	100
Heat exchange area	m²	1,98	2,52	2,78	2,78	3,03	3,03	5,6	5,6
Volume of feeding chamber	dm³	82	125	158	158	190	190	440	440
Dimension of feeding door	mm	235×445	235×445	235×445	235×445	235×445	235×445	292×542	292×542
Prescribed chimney draught	Pa	23	23	23	23	23	23	35	35
Max. operating overpressure of water	kPa	250							
Pressure loss on the water side (ΔT 10 K)	kPa	1,9	2,3	4,4	4,4	6,6	6,6	2,1	2,1
Pressure loss on the water side (ΔT 20 K)	kPa	0,6	0,7	1	1	1,8	1,8	0,55	0,55
Boiler weight	kg	370	430	460	460	490	490	800	800
Diameter of flue gas connection	mm	150	150	150	150	150	150	200	200
Boiler height „A“	mm	1 240	1 240	1 240	1 240	1 240	1 240	1 522	1 522
Boiler width „B“	mm	700	700	700	700	700	700	915	915
Boiler depth „C“	mm	840	1 240	1 340	1 340	1 440	1 440	1 846	1 846
Length of feeding chamber „D“	mm	400	590	690	690	790	790	1 100	1100
Grade of protection	IP	21							
El. input	W	32	38	48	54	54	78	72	72
Boiler efficiency	%	91,3	90,4	90,1	90,1	90,2	90,2	86,5	87
Boiler class by CO (under the norm EN 303-5)	–	5							
Flue gas temperature by nominal output	°C	160	165	170	180	170	180	204	205
Flue gas flow by nominal output	kg/s	0,014	0,018	0,020	0,022	0,025	0,028	0,045	0,045
Max. noise level	dB	65							
Fuel type	–	Wood logs with relative humidity of 12 % – max. 20 %, Ø 50–150 mm							
Average fuel consumption	kg/h	3,9	6,5	7,8	9,1	10,4	11,75	21,5	26,8
Approximate wood consumption per season	–	1 kW = 0,9 m³							
Max. length of wood logs	mm	350	550	650	650	750	750	1 000	1 000
Combustion time at nominal output	hod	3							
Volume of water in the boiler	l	80	100	110	110	128	128	210	210
Recommended volume of the accumulation tank	l	800 – 1 500				1000 – 2 500			
Connection voltage	V / Hz	~230/50							
Range to set the heating water temperature	°C	65–90							



## COMBINED BOILER FOR WOOD AND PELLETS

The warm water boiler **ATTACK® DPX COMBI Pellet** is a modern heat source with new construction of heat exchanger. The prescribed fuel is wood and pellets – if the automatic stainless steel burner is installed. This innovative solution brings higher comfort thanks to the automatic pellet burner, which is simply installed in the boiler, and the advantage of the cheapest heat energy gained from wood in the wood gasifying boiler.

By installation of the burner into the steel body of the boiler **ATTACK® DPX** you get the combined boiler for solid fuel and pellets with adjustable output, automatic grate cleaning, automatic start and termination of the burning process.

The boiler is controlled by the **PROFI „PID“** regulator and burner electronics. It is possible to choose the burner of 8–30 kW or 15–50 kW output.

### BOILER ADVANTAGES:

- *High efficient tubular exchanger „flue gas-water“*
- *High efficiency of burning: 90 % – thanks to the tubular exchanger, equipped with special movable turbulators for cleaning of heat exchanger*
- *Extraordinary voluminous feeding chamber up to 190l, that enables longer burning by one wood load*
- *Option to burn pellets*
- *Boiler enabling operation with wood and fully automatic operation with pellets*
- *User comfort, reliability of operation, easy use and maintenance*
- *Manufactured from the special boiler steel of 6 mm to ensure long life-time*
- *Stainless steel burner of the highest quality with automatic cleaning*
- *Option of easy installation of the burner into the boiler by a movable construction and thereby – the fuel use change within 1 minute*
- *Decreased operating costs per season thanks to the combination of fuels*
- *Option of the gradual output regulation according to the burner type*
- *Option to re-build the already installed boiler DPX to the DPX COMBI Pellet by the set for re-building*
- *Fully automatic burner operation*
- *Compact design, easy use, information given on the LCD display*
- *Automatic grate cleaning, adjustable in dependence on the quality of pellets*
- *Automatic start and termination of the burning process by pellet combustion*
- *Precise measuring of flame intensity by the photocell – by the operation with pellets*
- *Option to set the burner output within the range of 8–30 kW or 15–50 kW, according to the type of burner*
- *Option to connect the external sensor into the accumulation tank*
- *Regulation of the burner operation by the room thermostat or thermal probe*
- *Option to burn wood pellets of 6 mm diameter and 35 mm length*
- *Option to adjust the combustion according to the fuel used*
- *Quality stainless steel used for combustion chamber and burner grate*
- *Option to connect fuel feeders of different length*
- *Safety elements against backward burning, 4× protection against overheating – emergency, boiler, flue gas thermostat and aftercooling circuit*
- *Requirement for low operating under-pressure in the combustion chamber*
- *Multi-lingual menu, option to adjust the wide scale of parameters*



- *Indication of operating modes*
- *Error diagnostic*

**ECODESIGN**

### BOILER MODIFICATIONS

- **ATTACK DPX 25, 30, 35, 40, 45, 50 COMBI Pellet**

### COMBINED BOILER ATTACK DPX 25–50 COMBI PELLETT CONTAINS:

- Wood gasifying boiler **ATTACK® DPX**,
- Burner **ATTACK PELLETT BURNER Automatic 8–30 kW** or burner **ATTACK PELLETT BURNER Automatic 15–50 kW**,
- Door **DPX** for burner,
- Movable construction (holder, arms, door)

### INSTALLATION OF FLUE CONNECTION

Flue connection can be installed horizontally or vertically on the boilers **SLX** and **DPX**. This is possible by turning the flange by 180°.



# ATTACK PELLET BURNER

**ATTACK® PELLET BURNER Automatic** are fully automatic stainless steel burners for wood pellets with option to set the output within the **range of 8–30 kW** and **15–50 kW**, automatic grate cleaning, automatic ignition, controlled start and regulated burning process.

## BURNER ADVANTAGES

- Fully automatic burner operation
- Compact design, easy control, information on LCD display
- Automatic grate cleaning, adjustable in dependence on quality of the pellets used
- Automatic start and termination of the burning process
- Precise measuring of flame intensity by photocell
- Option to set output within the range of 8–30 kW or 15–50 kW
- Option to connect external sensor into accumulation tank
- Burner operation controlled by room thermostat or thermal probe
- High combustion efficiency and low operating emissions
- Possibility to burn wood pellets with diameter of 6 mm and length of 35 mm
- Option to regulate combustion according to the fuel used
- Quality stainless steel of combustion chamber and burner grate
- Option to connect fuel feeders of different lengths
- Safety elements against backward burning, 4× protection against overheating – emergency, boiler, flue gas thermostat and aftercooling circuit
- Requirement for low operating under-pressure in combustion chamber
- Multilingual menu, option to set wide scale of parameters
- Displaying operating modes
- Error diagnostics

## DESCRIPTION

Stainless steel burner **ATTACK®** works on principle of fuel -pellet falling from fuel feeder through supply hose and pipe on the grate to be combusted.

Burner works under fully automatic mode, from evaluation of heat supply need, fuel supply, electrical ignition, burning-up, burning, shutting-down, burning-out, cleaning and switching to the emergency regime.

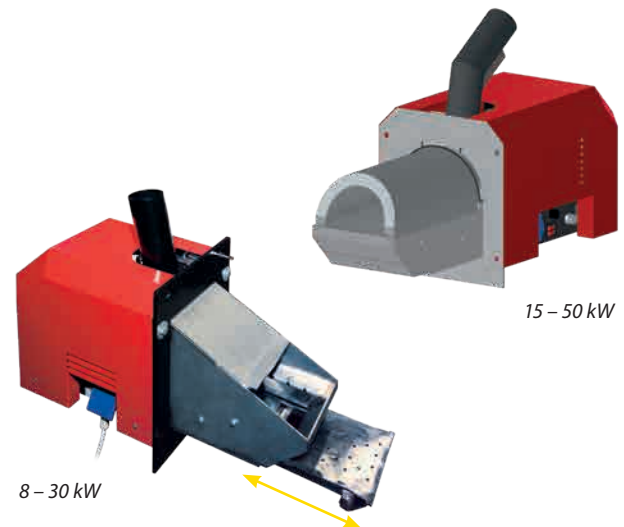
**ATTACK PELLET BURNER Automatic 8–30 kW** – output range of **14–30 kW** is set from production. There are three levels of output: 1. (14 kW), 2. (22 kW) and 3. (30 kW). Output range of three levels: 8–12 kW, 14–30 kW can be set in the advanced menu.

**ATTACK PELLET BURNER Automatic 15–50 kW** – output range of **15–50 kW**. There are three levels of output: 1. (15 kW), 2. (32 kW) and 3. (50 kW). Output range of both burners can be set in steps of 2 kW.

The burner is cleaned automatically – after every burn out or in particular time intervals, set by the user. The grate is cleaned by automatic movement towards the scraper. Dirts like ash and eschars fall out of the opening of the grate.

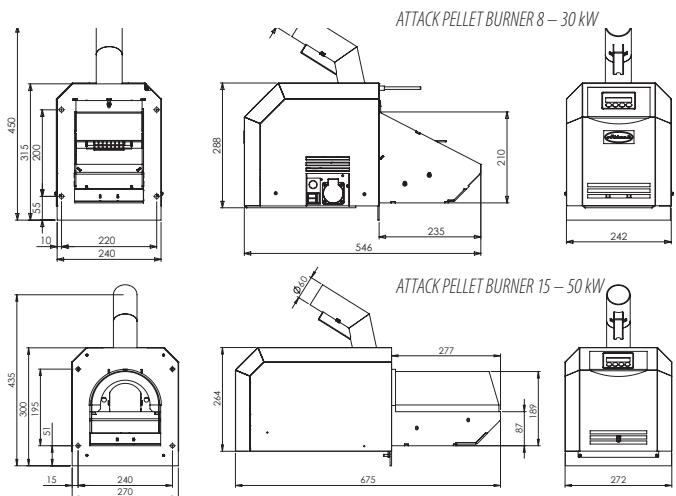
Burner body, grate, tinplate of lighter and scraper are made from high quality refractory stainless steel.

## FUEL



The burner is intended and certified for combustion of wood pellets with diameter of **6 mm** and length of **35 mm**. After feeder exchange it burns different fruit pits and milled olive pits up to the max. size of peach pits. Eventual conversions have to be consulted with producer.

## DIMENSIONS



## TECHNICAL PARAMETERS

Parameter	PELH30A	PELH50A
Prescribed fuel	wood pellets $\varnothing$ 6 mm, l = 35 mm max.	
Mode	8 – 12 kW, 14 – 30 kW	15 – 50 kW
Output scale	8–30 kW, scaled by 2 kW	115–50 kW, scaled by 2 kW
Connection voltage	~ 230 V / 50 Hz	
Electrical fuse	10 A	
Weight	22 kg	33 kg

## TABLE OF ACCESSORY ITEMS

Items
Pellet feeder 2,5 m (with eventual preparation of own length)
Pellet tank 500 l

# THE WOOD GASIFYING BOILER

The wood gasifying boilers **ATTACK® SLX** in the versions **PROFI** and **LAMBDA Touch** are intended for economical and ecological heating of dwelling houses, cottages, small plants, work rooms and similar objects. Prescribed fuels for **ATTACK® SLX** boilers are dry wood and pellets. By full utilization of the feeding chamber there is possibility of the continual burning for 8–12 hours.

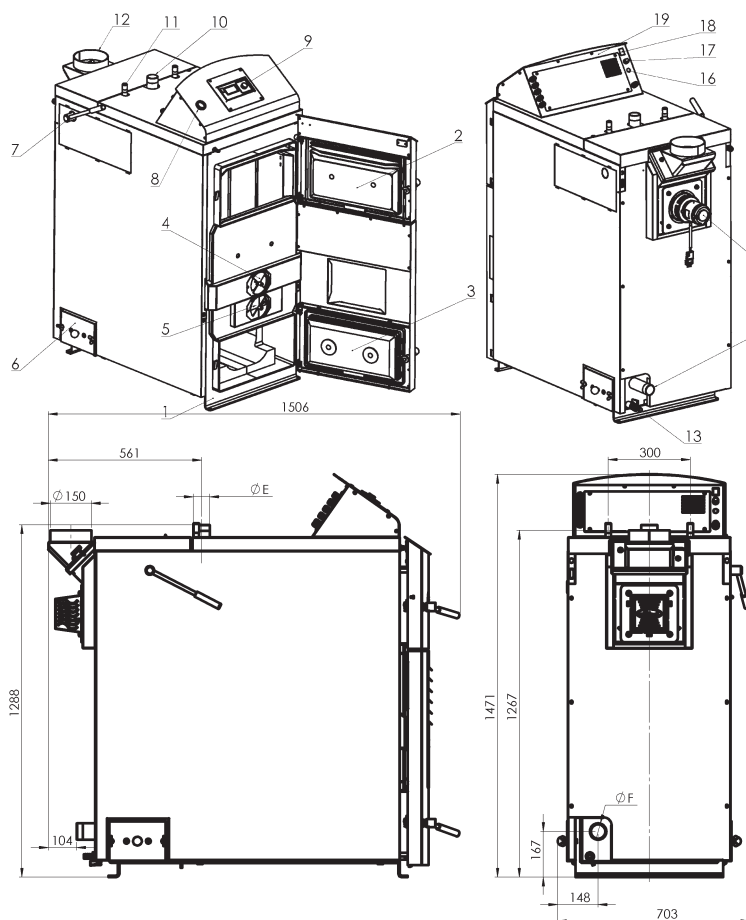
## BOILER ADVANTAGES

- Modern and innovative boiler design of ecological boiler
- High efficient tubular exchanger "flue gas-water" with turbulators
- Boiler efficiency of 90,3–91,8 %
- Wide output range of 20–55 kW
- 2 modifications – **PROFI** and **LAMBDA Touch**
- High combustion efficiency of 91,8 % ensured by the tubular heat exchanger with movable turbulators
- Long time approved construction, thousands of the satisfied customers
- Heat exchanger cleaning by turbulators, by moving the lever, clean exchanger = high efficiency = lower operating costs, fuel saving
- The volume of the boiler's feeding chamber is unique: 200–230 l and ensures longer burning on one fuel load
- Burns soft and hard wood and wood briquettes

- Option of the dry coat placed around the whole feeding chamber – increased protection against tar creation
- Possibility to load big wood logs – length of the feeding chamber is 680 mm (by 20 kW and higher outputs) and enables to load the wood logs of half-meter, which saves time by chopping the wood
- Minimum of ash
- Better burning and lower fuel consumption
- Excellent emissions and efficiency
- Fixed position of the lever for easier cleaning
- User comfort, reliability of operation, easy use and maintenance
- Manufactured from the special boiler steel of 6 mm to ensure long life-time
- Suction fan for balanced and effective burning and dustless operation
- Automatic regulation of the heat-up flap, which is connected with the door of the feeding chamber
- Fluently modulated fan rotations
- Option of the **LAMBDA touch** modification – the most advanced technology for the burning process regulation, which ensures the excellent values of emissions and efficiency
- Right door version
- Automatic boiler stop after the fuel burns-out
- Equipped with aftercooling circuit against overheating of boiler in the water
- Refractory pieces are resistant up to the temperature of 1 350 °C, which ensure better parameters of burning
- The boiler fulfils criteria of the highest class under the European norm EN303-5

**ECODESIGN**

## DESCRIPTION AND DIMENSIONS OF THE BOILER



### KEY:

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Boiler body                    | 13. Drain valve                   |
| 2. Feeding door                   | 14. C.H. return connection        |
| 3. Door of the combustion chamber | 15. Suction fan                   |
| 4. Primary air suction            | 16. Electrical fuse               |
| 5. Secondary air suction          | 17. Reset of emergency thermostat |
| 6. Cover of the cleaning opening  | 18. Main switch of lambda         |
| 7. Lever of turbulators           | 19. Control panel                 |
| 8. Thermo-manometer               |                                   |
| 9. Boiler thermostat              |                                   |
| 10. C.H. flow connection          |                                   |
| 11. Aftercooling circuit          |                                   |
| 12. Rotatable Chimney             |                                   |







## TECHNICAL PARAMETERS

TECHNICAL PARAMETERS		A+	A+	A+	A+	A+	A+	A+	A+
Parameter		SLX20	SLX25	SLX30	SLX35	SLX40	SLX45	SLX50	SLX55
Nominal output of the boiler	kW	20	25	30	35	40	45	50	55
Output range	kW	10 – 20	12,5 – 25	15 – 30	17,5 – 35	20 – 40	22,5 – 45	25 – 50	27,5 – 55
Area of the exchanger	m²	2,95				3,32			
Volume of the feeding chamber	dm³	200				230			
Dimensions of the feeding hole	mm	235x445							
Prescribed chimney draught	Pa	23							
Prescribed chimney draught	mbar	0,23							
Max. working overpressure of the water	kPa	250							
Pressure loss of the water (ΔT 10K)	kPa	1,9	2,1	2,4	2,7	3,9	4,5	5,2	6,1
Pressure loss of the water (ΔT 20K)	kPa	0,8	0,9	1,2	1,6	1,9	2,1	2,4	3,2
Weight of the boiler	kg	570				650			
Diameter of the flue gas outlet	mm	150							
Height of the boiler	mm	1 472							
Width of the boiler	mm	703							
Depth of the boiler	mm	1 337				1 506			
Depth of the feeding chamber	mm	690				790			
Diameter of the riser pipe "E"	"	G 6/4"				G 2"			
Diameter of the reverse "F"	"	G 6/4"				G 2"			
Protection class	IP	21							
Electrical input at the nominal output	W	42				78			
Electrical input at the minimal output	W	31				52			
Electrical input at the standby mode	W	< 15							
Boiler efficiency	%	91,8	91,6	90,3	90,3	90,4	90,4	90,3	90,3
Boiler class	—	5							
Temperature of the flue gas by the nominal output	°C	165	170	175	180	165	170	170	180
Temperature of the flue gas by the minimal output	°C	130	135	140	145	135	140	140	145
Mass flow of the flue gas by the nominal output	kg/s	0,018	0,02	0,021	0,023	0,027	0,029	0,031	0,033
Mass flow of the flue gas by the minimal output	kg/s	0,008	0,011	0,014	0,016	0,017	0,021	0,022	0,023
Max. noise level	dB	65							
Class and type of the fuel	—	A, Wood logs with relative humidity of 12 % – max. 20 %, Ø 50 – 150 mm							
Average wood consumption	kg/h	5,2	6,5	7,8	9,1	10,4	11,7	13	14,3
Indicative consumption of the wood per season	—	1 kW = 1 m³							
Max. length of logs	mm	650				750			
Time of burning by nominal output *	h	8	7,2	6,5	5,8	6	5,1	4,6	4
Volume of the water in the boiler	l	117				136			
Recommended volume of the accumulation tank	l	1 000 – 2 000				2 500 – 3 500			
Voltage	V/Hz	~230/50							
Range of the setting the temperature of the heating water	°C	65 ÷ 85							
Capacity of the contacts of the boiler regulator (PROFI version)	—	2 A/ ~230 V							

\* Dependent on type of fuel and the perfection of feeding the chamber by wood.

## COMBINED BOILER FOR WOOD AND PELLETS

Hot-water boiler for wood and pellets **ATTACK SLX COMBI Pellet** is modern heat source with innovative construction with prescribed fuel of wood, briquettes with the whole in the middle and wooden pellets. It is a universal solution providing high comfort thanks to a fully automatic pellet burner which is easily built into the boiler and thus combines the advantage of the cheapest thermal energy produced from wood in a wood-gasifying boiler with simple and comfortable control of the pellet boiler.

The boiler is equipped with a modern burner with the possibility of setting the output with automatic grate cleaning, automatic start and end of the combustion process which is inserted into the SLX steel body thus creating a combined boiler for solid fuel and pellets.

The boiler control consists of a **PROFI „PID“** controller and electronics of the burner.

### BOILER ADVANTAGES

- *The boiler enables operation of wood and fully automatic operation of pellets*
- *Possibility of burning wood and pellets*
- *Simple change of fuel through easy installation of the burner in the boiler using a pantograph.*
- *High-efficiency tube heat exchanger*
- *High combustion efficiency up to 91.6%*
- *Large feeding chamber up to 200 l which enables longer burning by one wood load*
- *Customer comfort, operational reliability and easy operation and maintenance*
- *Made of special boiler steel 6 mm thick to ensure long life-time*
- *The boiler is equipped with a stainless steel burner of the highest quality with automatic cleaning*
- *Decreased operating costs per season thanks to the combination of fuels*
- *Possibility of step modulation of burner output according to burner type*
- *Fully automatic burner operation*
- *Compact design, easy use, information given on the LCD display*
- *Automatic grate cleaning, adjustable in dependence on the quality of pellets*
- *Automatic start and termination of the burning process by pellet combustion*
- *Precise measuring of flame intensity by the photocell – by the operation with pellets*
- *Option to set the burner output within the range of 8–30 kW*
- *Option to connect the external sensor into the accumulation tank*
- *Regulation of the burner operation by the room thermostat or thermal probe*
- *Option to burn wood pellets of 6 mm diameter and 35 mm length*
- *Option to adjust the combustion according to the fuel used*
- *Quality stainless steel used for combustion chamber and burner grate*
- *Multi-lingual menu, option to adjust the wide scale of parameters*



**ECO**DESIGN



- *Aftercooling circuit*
- *Display of operating states*
- *Fault diagnosis*
- *Dry coat placed on four sides of the entire loading chamber - increased protection against tarring of the chamber*
- *Possibility to add large pieces of wood - the length of the chamber is 680 mm (from 20 kW) which saves the customer time by cutting wood*

### BOILER MODIFICATIONS

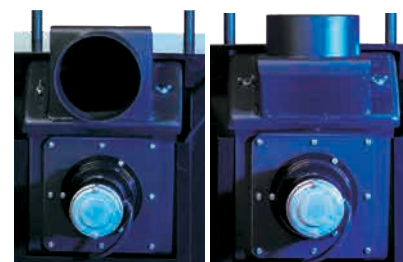
- **ATTACK SLX 20 COMBI Pellet**
- **ATTACK SLX 25 COMBI Pellet**
- **ATTACK SLX 30 COMBI Pellet**
- **ATTACK SLX 35 COMBI Pellet**

### COMBINED BOILER ATTACK SLX 25 COMBI PELLET CONTAINS:

- Wood-gasifying boiler ATTACK SLX PROFİ
- Burner ATTACK PELLET BURNER Automatic 8 – 30 kW
- Door SLX for burner, pantograph set (console, arms and door)

### INSTALLATION OF SMOKE FLUE

The smoke flue for SLX, DPX, DPX COMBI Pellet and SLX COMBI Pellet boilers can be oriented horizontally or vertically by turning the flange 180 °.



# ATTACK PELLET BURNER

**ATTACK® PELLET BURNER Automatic** are fully automatic stainless steel burners for wood pellets with option to set the output within the range of **8–30 kW**, automatic grate cleaning, automatic ignition, controlled start and regulated burning process. The burner is designed for boilers 20SLXP, 25SLXP, 30SLXP, 35SLXP.

## BURNER ADVANTAGES

- Fully automatic burner operation
- Compact design, easy control, information on LCD display
- Automatic grate cleaning, adjustable in dependence on quality of the pellets used
- Automatic start and termination of the burning process
- Precise measuring of flame intensity by photocell
- Option to set output within the range of 8–30 kW or 15–50 kW
- Option to connect external sensor into accumulation tank
- Burner operation controlled by room thermostat or thermal probe
- High combustion efficiency and low operating emissions
- Possibility to burn wood pellets with diameter of 6 mm and length of 35 mm
- Option to regulate combustion according to the fuel used
- Quality stainless steel of combustion chamber and burner grate
- Option to connect fuel feeders of different lengths
- Safety elements against backward burning, 4x protection against overheating – emergency, boiler, flue gas thermostat and aftercooling circuit
- Requirement for low operating under-pressure in combustion chamber
- Multilingual menu, option to set wide scale of parameters
- Displaying operating modes
- Error diagnostics

## DESCRIPTION

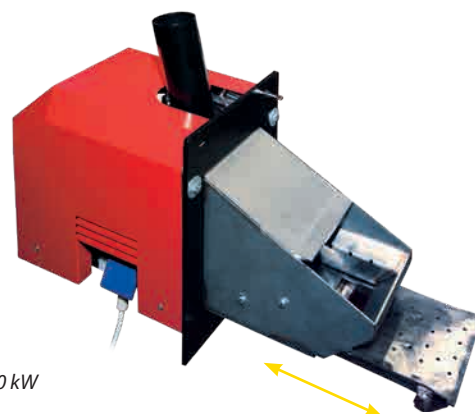
Stainless steel burner **ATTACK®** works on principle of fuel -pellet falling from fuel feeder through supply hose and pipe on the grate to be combusted.

Burner works under fully automatic mode, from evaluation of heat supply need, fuel supply, electrical ignition, burning-up, burning, shutting-down, burning-out, cleaning and switching to the emergency regime.

**ATTACK PELLET BURNER Automatic 8–30 kW** – output range of **14–30 kW** is set from production. There are three levels of output: 1. (14 kW), 2. (22 kW) and 3. (30 kW). Output range of three levels: 8–12 kW, 14–30 kW can be set in the advanced menu.

The burner is cleaned automatically – after every burn out or in particular time intervals, set by the user. The grate is cleaned by automatic movement towards the scraper. Dirts like ash and eschars fall out of the opening of the grate.

Burner body, grate, tinfoil of lighter and scraper are made from high quality refractory stainless steel.

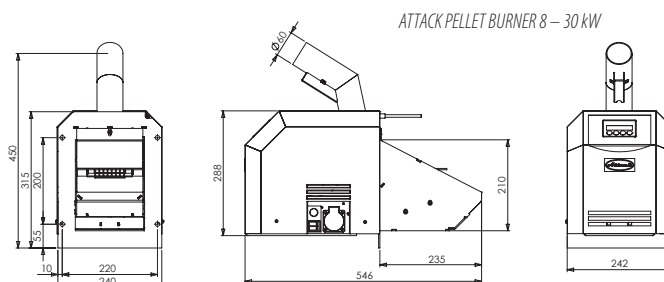


8 – 30 kW

## FUEL

The burner is intended and certified for combustion of wood pellets with diameter of **6 mm** and length of **35 mm**. After feeder exchange it burns different fruit pits and milled olive pits up to the max. size of peach pits. Eventual conversions have to be consulted with producer.

## DIMENSIONS



## TECHNICAL PARAMETERS

Parameter	PELH30ACP
Prescribed fuel	wood pellets Ø 6 mm, l = 35 mm max.
Mode	8 – 12 kW, 14 – 30 kW
Output scale	8 – 30 kW, scaled by 2 kW
Connection voltage	~ 230 V / 50 Hz
Electrical fuse	10 A
Weight	22 kg

## TABLE OF ACCESSORY ITEMS

Items
Pellet feeder 2,5 m (with eventual preparation of own length)
Pellet tank 500 l



# VERSIONS OF BOILER REGULATION ATTACK, SLX, DPX

Gasification boilers the ATTACK® are equipped with three types of regulation: **STANDARD**, **PROFI** and **LAMBDA Touch**.

## ATTACK DPX STANDARD

The easiest way of regulation for efficient applications. The management lies in the management of the boiler temperature using the boiler thermostat, and turning off the fan after burning out of fuel, by flue gas thermostat. This regulator is recommended everywhere, where objects are not regularly heated such as cottages and the like. A suitable solution for simpler systems in terms of regulation in connection with accumulation tanks. A good option is with use of upgrade **regulator ATTACK Regumax**, where most of the control takes over the controller and from the boiler is only required the simplest version of control.

### THE MAIN ADVANTAGES OF CONTROL:

- *Simplicity*
- *Suitable for simple applications*

#### ATTACK DPX – STANDARD



### DESCRIPTION:

1. **Reset** – of the boiler against overheating (after reaching a higher temperature then 110 °C the boiler is cutoff from the electric network)
2. **Fuse** – protection of the boiler against the electric short circuit
3. **Main power switch** – turn on the boiler and if necessary allows you to disable the whole boiler
4. **Flue gas thermostat** – the decrease of the gas temperature under the value set is turned off the fan
5. **Boilers Thermostat** – serves for setting the desired water temperature in the boiler (when exceeding the set temperature is turned off the fan the boiler works at min power and after falling below the set temperature the fan will be switched on again and the boiler works at maximum output).
6. **Termomanometer** – shows the output temperature and the current pressure of the heating water in the boiler

## ATTACK SLX, DPX, PROFI

The ATTACK PROFI, generation of "PID" is the more advanced regulator suitable for everyday heating, in particular of family houses, different facilities, or other regularly heated objects. It has PID control of rotation speed of the fan, which can precisely control the temperature of the flue gas and thereby to achieve excellent efficiency. Besides the boiler itself it can also control two pumps. One is the pump of the heating circuit and second is the pump for charging the accumulation tank or the domestic hot water. It is particularly suitable for use with a storage tank, because it has in itself the integrated the logic of correct charging of the accumulation tank and its protection against the discharge of energy through the boiler. Easy operation is ensured by clear display with lots of instant information, such as boiler temperature, the temperature of the flue gas temperature in the accumulation tank. Of course there is high reliability, long service life and automatic shut down after burning out of fuel.

### THE MAIN ADVANTAGES OF CONTROL:

- *Improved electronics with be fluent PID regulation of fan rotations on the basis of the temperature of flue gas*
- *Fuzzy logic – adjust the working cycle of the combustion of the wood in ideal conditions.*
- *High efficiency of the boiler and stable burning*
- *Management options including a pump for charging the accumulation tank, the pump charging domestic hot water*
- *The Possibility of management of circulating pump by thermostat.*
- *Clear screen showing the operation of the individual elements*

#### ATTACK SLX, DPX - PROFI



### DESCRIPTION:

1. **0/1** – main switch of electronics
2. **OK** – button to confirm the parameters in menu
3. **STOP** – button to turn off the boiler and moving in the menu
4. **START** – button to start the boiler and moving in the menu of the
5. **Fan** – an icon showing the operation of the fan
6. **Water tap** – the icon showing the operation of the pump charging the hot domestic service water, or charging of the accumulation tank
7. **Pump** – an icon showing the operation of the circulating pump of heating circuits
8. **Key** – an icon showing the entry into the menu settings
9. **Warning triangle** – icon display the notification on the hazardous condition
10. **Thermostat**
11. **Digits** – the current boiler temperature

## ATTACK SLX LAMBDA Touch



Has all the benefits of a controller ATTACK the LAMBDA moreover it is additionally equipped with a XY" inch screen clearly showing the necessary information. This regulator has a good connectivity to the internet thereby it is possible to manage and check the status of boiler boiler remotely, for example from a PC or Smartphone. Big advantage is also the possibility to update the version of the software thereby it is possible years after purchasing of the boiler to update the software of the boiler according to the latest trends from the field of combustion of wood. ATTACK Lambda Touch can in addition manage also automatic cleaning of the pipes of the heat exchanger by powerful engine which significantly simplifies its operation. The regulator in addition to the boiler allows charging the accumulation tank by the pump and after the purchase of additional modules may also control 2 mixing circuits, domestic hot water tank, solar panels or with on automatic boiler after use of the heat from the storage tank.

### MAIN BENEFITS OF CONTROL:

- *Electronics with transparent touch screen*
- *Perfect control of the combustion process by the lambda probe*
- *Fluent performance regulation and gas temperature*
- *Rapid initiation of burning, the long time of keeping hot coal for the next initiation of the burning*
- *Protection against the draining of the accumulation tank*
- *Automatic cleaning of the pipes of the heat exchanger using a robust engine*
- *Possibility of controlling via internet and Smartphone*
- *Possibility of extension with add-on modules and the control of HOT water, MIX1, MIX2, solar, and etc.*

### ATTACK SLX – LAMBDA TOUCH



### DESCRIPTION:

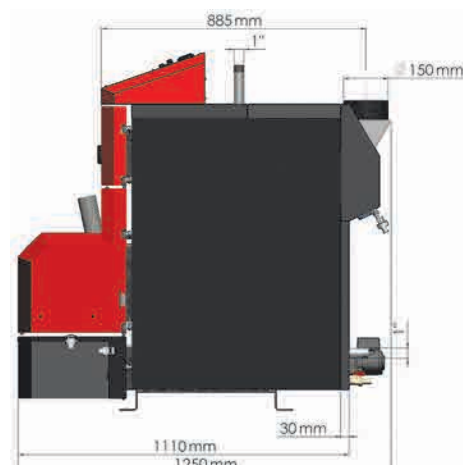
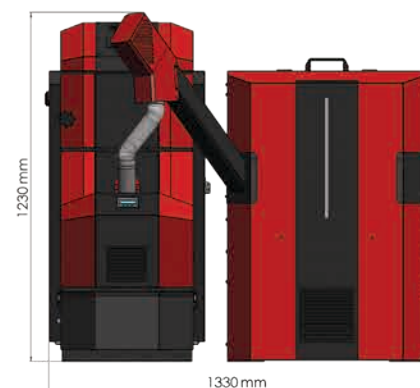
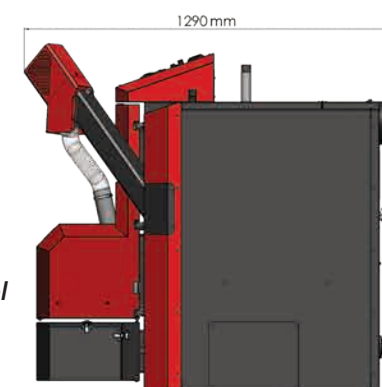
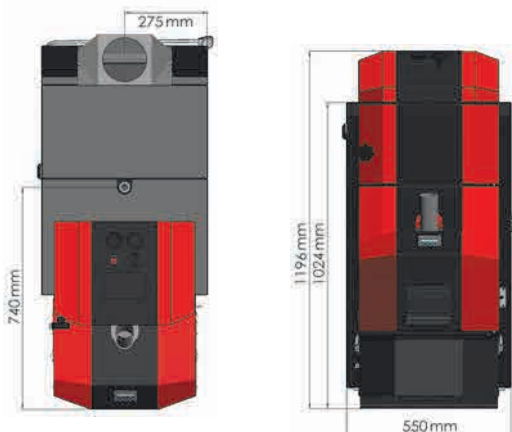
1. Start / switch off the boiler
2. Temperature of the boiler
3. Temperature of flue gas
4. Parameters
5. Settings of the boiler
6. Record of failures
7. Information menu
8. USB Connector

## BOILERS FOR BIOMASS BURNING

Modern wood pellet burning boilers **ATTACK® PELLET 30 AUTOMATIC Plus** save environment by their perfect combustion. Their user enjoys comfort comparable to gas burning. They are intended for heating of dwelling houses, cottages, small plants, workrooms and similar objects.

### BOILER ADVANTAGES:

- *Clear fully graphic 4.5 "touch screen*
  - *Night attenuation*
  - *DHW tank heating control with automatic, regular disinfection (removal of Legionella bacterial flora)*
  - *Automatic exchanger cleaning*
  - *Automatic ash removing*
  - *Automatic operation of the boiler controlled by a room thermostat guaranteeing high operator comfort*
  - *High combustion efficiency - low fuel consumption*
  - *High-efficiency tube heat exchanger equipped with spiral turbulators, which ensure better heat transfer in the heat exchanger, higher boiler efficiency, while also serving for its cleaning*
  - *Stainless steel burner ATTACK*
  - *Easy operation and simple cleaning*
  - *Automatic fuel supply*
  - *Quality boiler steel of 6 mm thickness used for boiler manufacturing*
  - *High safety and reliability of operation*
  - *Low operating costs*
  - *Simple constructed reliable pellet burner with automatic operation control (i.e. ignition and burn-out), with function of automatic cleaning and error*
  - *autodiagnosics*
  - *Equithermal control*
  - *Control of 4 mixing circuits*
  - *Internet module and application for WiFi or LAN control*
- \* Optional internet accessory module with control via WIFI / LAN and mobile application*



### TECHNICAL PARAMETERS

A+

Parameter	Unit	PELLET 30 AUTOMATIC Plus
Nominal output	kW	30
Range of output setting	kW	8 – 30
Heat exchange area	m <sup>2</sup>	1,9
Prescribed chimney draught	Pa	15 – 20
Max. operating overpressure of heat. water	kPa	250
Pressure loss of water	Pa	152 (ΔT = 10K), 38 (ΔT = 20K)
Boiler weight	kg	355
Diameter of flue exhaust	mm	150
Boiler height	mm	1 220
Boiler width	mm	575
Boiler depth	mm	1 250
Protection of el. parts	IP	IP 40
Max. el. input (by ignition)	W	600
Operating el. input	W	90
Boiler efficiency	%	90,6
Boiler class (under the EN 303-5)	–	5
Flue gas temperature by nominal output	°C	143
Prescribed fuel	–	wood pellets Ø = 6 mm, l = 35 mm max.
Average fuel	kg/h	2,4 – 6,9
Volume of water in boiler	l	62
Range of temperature setting of heat. water	°C	60 – 90
Connection voltage	V/Hz	~230/50

### DIMENSIONS





## CHARACTERISTIC OF THE BOILERS ATTACK PELLET 30

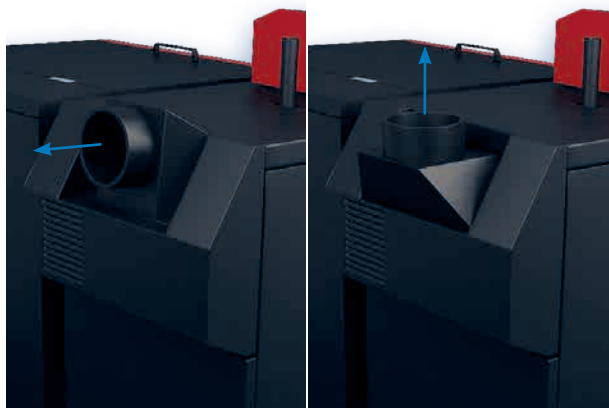
The boilers for wood pellets with regulated output of 8–30 kW are intended for heating of dwelling houses and industrial premises. They can be accessorized with an **electrical heating device** of 2,4–6 kW output, equipped with own operation and emergency thermostat.

Basic part of the boiler is a water cooled boiler body. Welded piece of the body is made from special boiler steel plates of 4–6 mm thickness, which **guarantees long lifetime** of the boiler. Exchanger is tubular, with turbulators improving heat transfer into the heating water and enabling exchanger cleaning to ensure balanced efficiency.

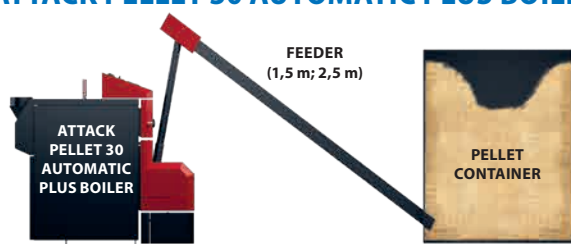
Fuel is burned in the stainless steel burner, intended for combustion of the wood pellets. **Fuel is automatically ignited by electrical spiral, built into the burner.** Optimal burning conditions and output regulation are provided by **electronically controlled fuel feeding** and air inlet, following the parameters of heating and d.h.w. warming, required and set by the user. Burner, combustion chamber and exchanger are constructed to ensure optimal burning of all combustible materials. Boiler body is isolated with mineral wool, design is completed with powder-treated coating.

The ATTACK Pellet Automatic Plus boiler is equipped with system for **automatic cleaning of tubular boiler exchanger** in intervals adequate to the **automatic ash removing** into detachable box.





## EXAMPLE OF CONNECTION OF THE ATTACK PELLET 30 AUTOMATIC PLUS BOILER



## DESCRIPTION

The boiler consists of the combustion chamber with partitions and tubular heat exchanger. Beyond the heat exchanger, the flue gas goes into collector with chimney, that can be horizontally or vertically oriented by turning the flange for 180°C. There is a wood pellet burner built into the boiler body.

The boiler is equipped with spiral fuel feeder (1,5 m), ensuring continual fuel dosing. The **ATTACK PELLET 30 AUTOMATIC Plus** boiler can be delivered with pellet container of 500 l volume (dimensions: 720 × 1 240 × 830 mm).

The „big-bag“ – the external textile tank can be used as an alternative.

By wood pellets combustion in the ATTACK® boiler, there is minimal ash production. Amount of ash depends on quality of pellets and represents approximately 1 % of the consumed fuel.

The **ATTACK PELLET 30 AUTOMATIC Plus** boiler is equipped with automatic system for ash removing into detachable box. Box of appropriate volume has to be emptied one time pro heating season, according to the season and intensity of boiler operation.

## SMART BOILER CONTROL

The ATTACK PELLET 30 AUTOMATIC Plus pellet combustion boiler is controlled by a clear, fully graphics 4.5" touch screen on the upper covering plate of the boiler. **The new control allows to expand with an internet module \* through which the boiler can be connected to WIFI or LAN and controlled using a mobile device or computer (\* optional accessory).**

**NEW**

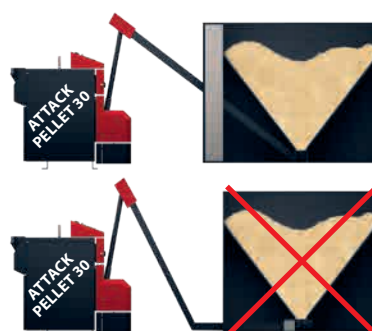


Touch control and change of parameters:

- Summer / winter mode
- Cleaning timer
- Operational information
- Temperature setting
- Circuits control
- Mixing circuits settings
- Wide range of additional settings
- Internet module and application for WiFi or LAN control (optional accessory)

## FUEL

Recommended fuel for the ATTACK PELLET 30 AUTOMATIC Plus are wood pellets with max. humidity of **12 %**, diameter of **6 mm** and max. length of **35 mm**. Recommended ash content is **1 %**. Heat value of the prescribed fuel should be **15–17,5 MJ/kg**.



## DESCRIPTION OF THE ATTACK 30 BURNER

The **ATTACK 30 stainless steel burner** is based on principle of fuel (pellet) falling – from feeder through supply hose and tube on the grate, where it is burned. Burner works under fully automatic mode, from evaluation of heat supply need, fuel supply, electrical ignition, burning-up, burning, shutting-down, burning-out, cleaning and switching to the stand-by mode.

**Range of the burner's output is: 8–30 kW. Output can be set it in the intervals of 2 kW. Burner's output range of 14–30 kW is set by production and divided into three levels: 1. (14 kW), 2. (22 kW) and 3. (30 kW).**

**Output range can be changed via the advanced menu in two levels: 8–12 kW, and 14–30 kW.**

**Burner is cleaned automatically** – after every burning out or in particular time intervals, set by the user, the grate is cleaned by automatic movement towards the scraper. Dirts like ash and eschars fall



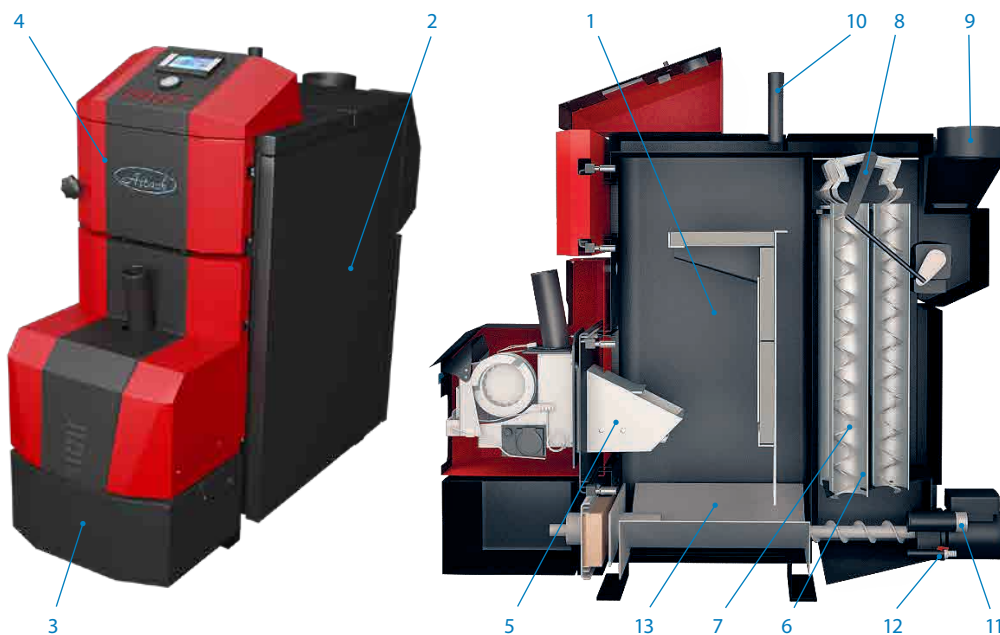
## EXAMPLE OF INSTALLATION



Required dimension of the boiler room with the boiler **ATTACK PELLET 30 Automatic Plus** connected to the **500 l pellet tank** and the accumulation tank **ATTACK AS**.



## DESCRIPTION OF ATTACK PELLET 30 BOILER



### KEY:

1. Boiler body
2. Covering
3. Box for ash
4. Door of the inspection opening
5. Burner
6. Tubular exchanger
7. Turbulators
8. Pull rod of turbulators
9. Flue gas exhaust
10. Flow connection 1"
11. Return connection 1"
12. Drawing valve 1/2"
13. Ash tray





**HEAT TECHNOLOGY MANUFACTURER**



**SLOVAK MANUFACTURER**

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