HKS **aza**P



## PELLET AND VOOD BURNING BOILERS

ecodesign

class

modern heating appliances

INTER fire

64

HOLZ MASTER

www.hkslazar.com



**onomy** 

### Lambda sensor

vings, a clean heat exchanger and sim-

### Weather control

assures all the devices form an integrated system which ensures optimal efficiency.



### **BAFA / MCS**

### Class 5

### EcoDesign

### **Stainless steel**

### Condensation

lolog









### Touch panel

The advanced controller with an intuitive interface touch panel, weather adjustment, and a weekly program, helps to adjust the boiler to individual needs.



### Mechanical burner cleaning

The burner is systematically cleaned automatically which guarantees optimal combustion conditions and therefore reduces user input.

### **Compact construction**

Small dimensions allows the boiler to fit in most boiler rooms.

### Automatic ignition, automatic burner cleaning, automatic heat exchanger cleaning.

Limited user input, optimal combustion, high efficiency and measurable savings are assured by the automation of HKS Lazar boilers.

### Automatic ash removal

Automatic de-ashing system removes the ash from the boiler to the external container where it is compressed. This reduces the amount of times, the user removes the ash. (Approximately every 2 months).

### Automatic cleaning

Turbulators located in the heat exchanger clean the surface, increasing boiler efficiency. In addition, they create exhaust turbulence assuring heat exchanger efficiency.

### Vacuum

Thanks to a pneumatic pellet transport system VACUUM, pellets are automatically fed from a larger fuel container to the boiler, which reduces user input.

### Equipped with hydraulics

The boiler is equipped with a hydraulic kit so its installation time is reduced.

### **Remote access**

Through the internal or external econet24.com server you can see the current parameters of boiler and hydraulic system, change most settings (user and service), have insight into the history of the most important parameters and receive email messages with alerts. The controller can be connected by cable or wirelessly.

### N lazar

Comfort & modernity



**SMART FIRE 11/15/22/31/41** 

Highly efficient pellet boiler with automatic operation, modern and convenient regulation







COMPACT

Highly efficient pellet boiler with automatic operation, modern and comfortable regulation







**SMART FIRE 11/130** 

Highly efficient pellet boiler with a compact and modern design





minimum return water temperature

integrated pellet store capacity

# **INTER FIRE 11**

Stainless steel condensing pellet boiler with automatic cleaning and lambda sensor



°C

dm<sup>3</sup>

5 150, 240, 440



-

### CONDENSATION EFFICIENCY

Low exhaust temperature, ideal burning parameters with lambda sensor and condensation allows the InterFire boiler achieve 104.4% efficiency.

### CONDENSATION

The technique used for heat condensation not only uses the measurable heat that arises during fuel combustion, but also the steam in flue gases. InterFire condensing boilers are able to capture the heat contained in flue gases almost entirely and transform and use for heating.

### WIDE RANGE OF OUTPUT TEMPERA-TURES 20-85 °C

Stainless steel heat exchanger constructed with the HCC system (Heat--Cold Cassette) allows the boiler to operate at very low output temperature, even from 28 deg. C. Thanks to this the InterFire boiler will work well in new construction sites and in low temperature heating systems, such as underfloor heating.

### SIMPLE INSTALLATION

The InterFire boiler does not require any return temperature protection from low temperature corrosion, thanks to this the installation is simpler and cheaper than traditional solid fuel boiler installations.

### STAINLESS STEEL EXCHANGER

The InterFire boiler is built with high quality stainless steel which extends its lifetime.

### AUTOMATIC ASH REMOVAL

The automatic ash removal system removes the ash from the boiler to the container where it is compressed. Thus, the user removes the ashes once every few months.

HKS LAZAR Spółka z o. o. Parameters for the non-condensing mode	
MODEL ID:	IF11
ENERGY EFFICIENCY CLASS:	A+
RATED HEAT OUTPUT:	10 kW
ENERGY EFFICIENCY RATIO:	118
SEASONAL SPACE HEATING ENERGY	80%

Special precautions for assembly, installation or maintenance of the solid fuel boiler. All installation, installation and maintenance requirements contained in the device's instruction manual must be observed.

the regulation UE 2015/1187



### wood boilers



Highly efficient wood boiler with modern and convenient adjustments





### Pellet transport and storage systems



VACUUM

#### **PELLET TRANSPORT SYSTEM - VACUUM**

Pneumatic pellet feeder from a larger container to the SmartFire boiler. Includes: motor, mount, independent regulator and housing.



**DISTRIBUTOR** This device enables the installation of several feeder sensors in the larger pellet store, making it easier to use the full capacity.



**SUCTION PROBE** This device is installed in the larger pellet pellet store and is used for

smooth fuel feeding.







#### DESCRIPTION:

- 1. Suction probe
- 2. Distributor
- 3. Vacuum
- 4. Textile silo
- 5. Horizontal screw auger



### Three heating circuits diagram **DISTRIBUTOR 1-3 CIRCULATION.**



#### **DESCRIPTION:**

- 1. Boiler
- 2. Usable warm water temperature sensor
- 3. Usable warm water circulation pump
- 4. Return temperature sensor
- 5. Room panel with circulation sensor 1
- 6. Room sensor for circulation 2
- 7. Room sensor for circulation 3
- 8. Module 800 S
- 9. External temperature sensor
- 10. Boiler circuit, pump, TV valve
- 11. Circuit 1 (pump, 4D valve with actuator, temperature sensor)
- 12. Circuit 2 (pump, 4D valve with actuator, temperature sensor)
- 13. Circuit 3 (pump, 4D valve with actuator, temperature sensor)





**Standard / Optional equipment** 

		PELLET HOPPER		PELLET HOPPER ON THE SIDE						
	SF 11/15 COMPACT	SF11/130	SF 11	SF 15	SF 22	SF 31	SF 41	IF 11	HM 20	
TOUCH PANEL	0	s	S	S	S	S	S	S		
WEATHER CONTROL (SMARTFIRE 2 CIRCUITS, HOLZMASTER 1 CIRCUIT)	5	S	S	S	S	s	S	s	S	
SENSORS (EXTERNAL, DOMESTIC HOT WATER, CIRCUITS, BOILER)	S	s	s	S	s	s	s	S	s	
2 CIRCUITS ADDITIONAL	0	0	0	0	0	0	0	0	0	
BUFFER CONTROL	S	S	S	S	S	S	S	S	S	
INTERNET MODULE	o/s	o/s	o/s	o/s	o/s	o/s	o/s	o/s	o/s	
LAMBDA SENSOR	o/s	o/s	o/s	o/s	o/s	o/s	o/s	S		
AUTOMATIC HEAT EXCHANGER CLEANING	o/s	o/s	o/s	o/s	o/s	o/s	0/s	S		
SAFETY VALVE	S	S	S	S	S	S	S	S		
HYDRAULIC KIT	o/s	o/s	0/s	o/s	o/s	o/s	o/s	- *	o/s	
VACUUM	-	0	0	0	0	0	0	0		
STAINLESS STEEL BURNER	s	S	S	S	S	S	S	S	ceramic	
AUTOMATIC BURNER CLEANING	S	S	S	S	S	S	S	S		
HEAT EXCHANER TURBULATORS	s	S	S	S	S	s	S	S	s	
OPERATIONAL PRESSURE 1,5 BAR	S	S	S	S	S	S	S	S	S	
OPERATIONAL PRESSURE 3 BAR	o/s	o/s	o/s	o/s	o/s	o/s	o/s	o/s	o/s	
AUTOMATIC ASH REMOVAL	0	0	0	0	0	0	0	S		
5 YEARS WARRANTY (FOR TIGHTNESS OF THE EXCHANGER)	s	S	S	s	s	s	s	S	S	

# HKS **BAZAP**®

MODERN HEATING APPLIANCES

# Choose the highest NEWEST TECHNOLOGIES

HKS LAZAR has acquired a top class welding robot, from Panasonic equipped with a number of unique and innovative solutions. The "intelligent" control system of GMA welding is equipped with unique adaptation systems that are part of the robot's main control system. This means that the welder robot not only just executes a program stored in memory with a specified repeatability, but also responds to changes and interruptions in its work area and makes adjustments. Thanks to this the welding is at the highest level.

### HIGHEST QUALITY COMPONENTS

In production we use only the best suppliers who provide us with the highest quality components. We use **Rauschert** ceramic igniters which have a recorded lifespan of up to 100,000 ignites. Fan producers **Ziehl-Abegg** and **AACO** are the leaders in advanced ventilation systems. Additionally, the boiler control system manufacturer **Plum** is the best manufacturer in the industry with accredited laboratories and their own certified production. The Swiss company **Belimo** provides us with the highest quality linear actuators used in burner cleaning systems. Installed in our boilers are the best **ABM Greiffenberger's** energy-efficient and dependable geared motors on the market.















www.hkslazar.com





Our boilers meet the latest environmental standards



### MANUFACTURER

HKS LAZAR Spółka z o. o. 44-335 Jastrzębie-Zdrój ul. Wodzisławska 15B POLAND +48 32 47 57 123

+48 32 47 29 578 +48 32 47 51 960

www.hkslazar.com www.hkslazar.de www.hkslazar.cz www.hkslazar.pl www.hkslazar.eu www.hkslazar.it

www.hkslazar.fr www.hkslazar.es www.hkslazar.co.uk

e-mail: office@hkslazar.com

### DISTRIBUTOR