

TOP TECHNOLOGY HEATING SYSTEMS

MODULOWANE SPALANIE PELET

The system features an operation controller which is monitoring on line the temperature of feeding and return water as well as that of the boiler, adjusting the output to the demand.

This solution provides for considerable savings as the heat demand varies quite often within daily operation.

EKOLOGY

Advanced electronics, top class pellet burner and high tech heat exchange warrant low emissions of CO₂ and other environmentally hazardous substances. SmartFire boiler is environmentally friendly.

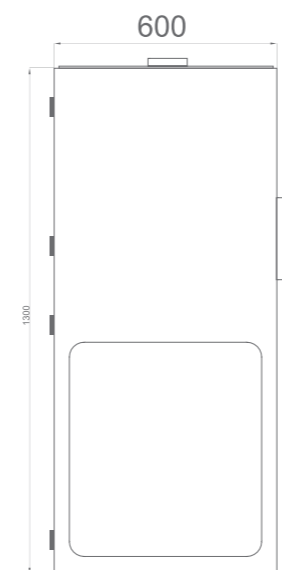
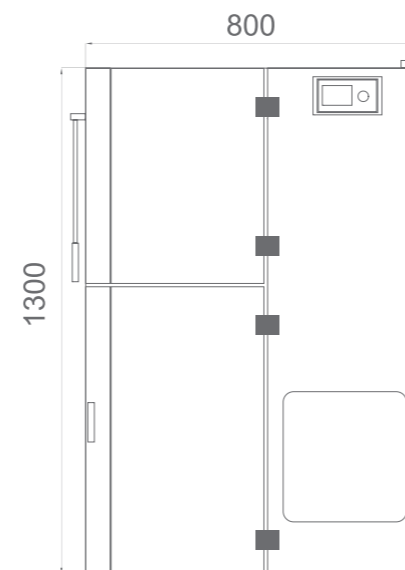
SELF-CLEANING BURNER

The burner is cleared regularly so you do not need to bother, while the conditions of burning are kept optimal.

COMPREHENSIVE CONTROL OF THE ENTIRE BOILER ROOM

High technology advanced controller controls the operation of the furnace and the entire heating room system including pumps, valves, attenuators, buffers and the boiler. This way all the devices are integrated in a coherent system where optimal operation conditions are set and adjusted on line.

DETAILS	UNIT	MODEL
		SF 21
Biler class		Class 3 (top-most)
Efficiency	%	92,1%
Nominal output	kW	21
Range of output	kW	6 ÷ 21
Width	mm	800
Height	mm	1300
Depth	mm	600
Exhaust outlet diamater inn./ext.	mm	122/114
Feed and return connections	G	1 1/4"
Maximum operating water pressure	bar	1,4
Chimney drag required	Pa	10
Exhaust temperature at maximum output	0C	97
Exhaust temperature at minimum output	0C	52
Recommended boiler temperature	0C	65 ÷ 80
Noise	dB	less then 65
Electricity connection		1 PEN ~50Hz 230V TN-S



SMART fire

HKS lazarus
www.hkslazar.pl



TOP TECHNOLOGY PELLETT BOILERS

SMART fire

HKS lazarus

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PELLETS BURNER

Best material used in construction and special design of the burner warrant many years operation and best conditions for burning.

MANUAL CLEANING OF THE HEAT EXCHANGE

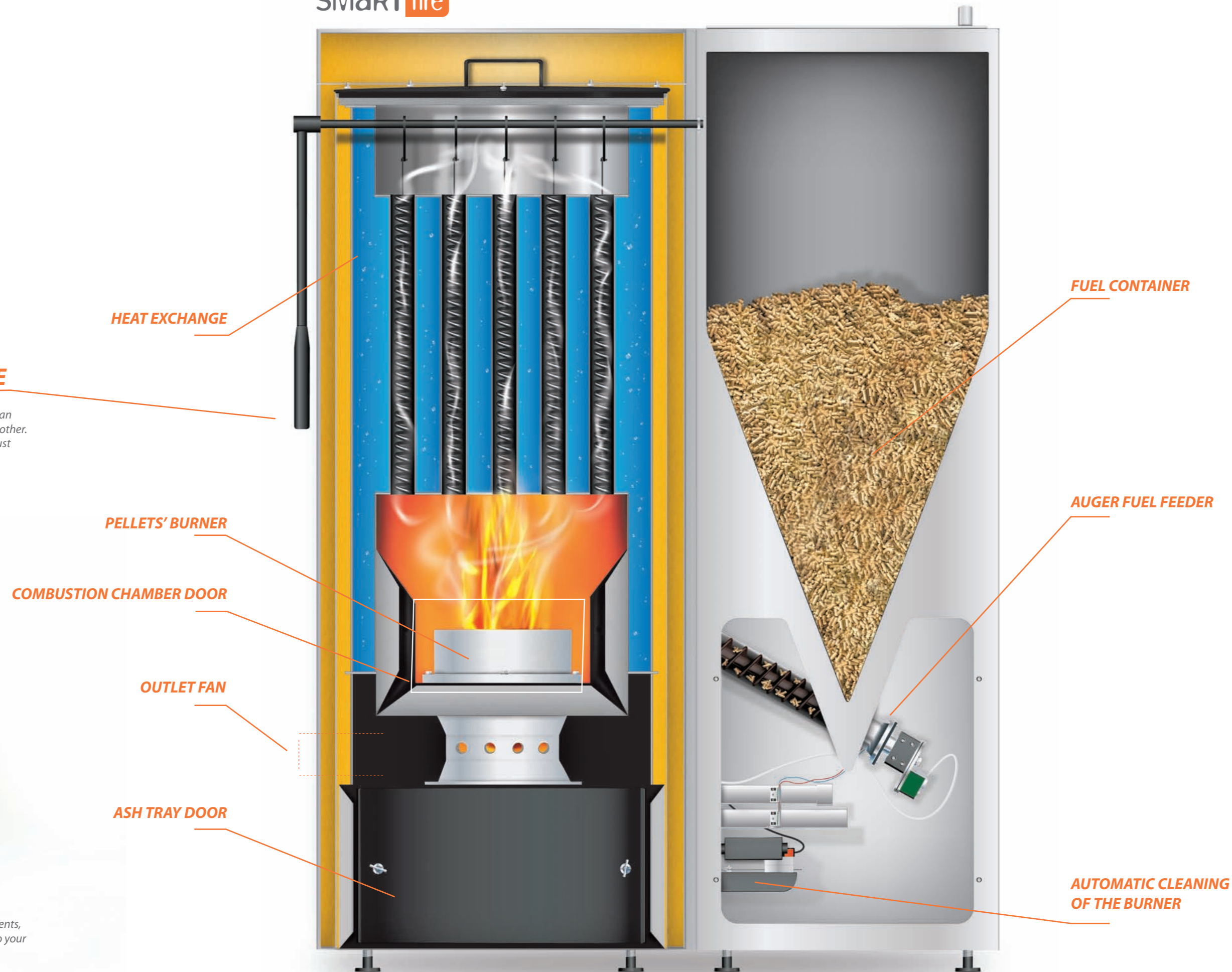
Stainless steel springs fixed in the exhaust piping clean the heat exchange regularly so you do not need to bother. Furthermore, they introduce turbulence in the exhaust gas making the exchange more effective.



CONTROL PANEL

Intuitive, transparent and user friendly. The control panel facilitates quick temperature adjustments, as well as multiple setups which will adjust the system to your changing requirements.

SMART fire



HEAT EXCHANGE

PELLETS' BURNER

COMBUSTION CHAMBER DOOR

OUTLET FAN

ASH TRAY DOOR

FUEL CONTAINER

AUGER FUEL FEEDER

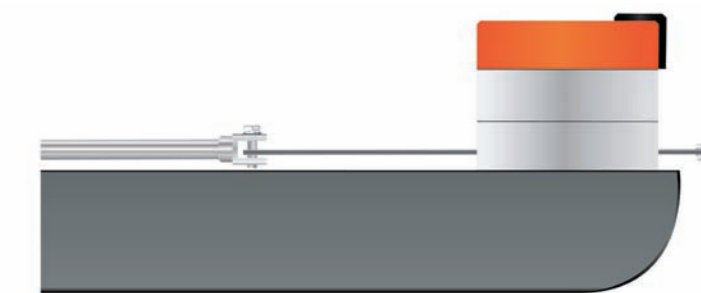
AUTOMATIC CLEANING OF THE BURNER



EMERGENCY THERMO-CONTROLLED POWER CUT

AUTO-CLEANING OF THE BURNER

The burner is cleared regularly so you do not need to bother, while the conditions of burning are kept optimal.



AUTOMATIC LIGHTING

The boiler switches off automatically in the case when there is no more demand for heat. When the demand is detected further on, the boiler will light automatically and start regular operation.



Heat efficiency **92,1%**

Economy | Comfort | Ecology