

THE PYROLYTIC STOVES

PYRO MAGIC



Exclusively by LS Stoves

Stoves with the sophisticated technology of pyrolytic high-temperature combustion. This technology secures the effective burning with minimal fuel consumption with very high efficacy and minimum of pollutants in exhausts. Burning performed without any support of fan, just with the chimney draught (about 12 Pa). The stove Pyro Magic charms you not just for its unique and uncommon design, but for the sophisticated technology of bicameral combustion.



Front sight



Open stove



Behind sight

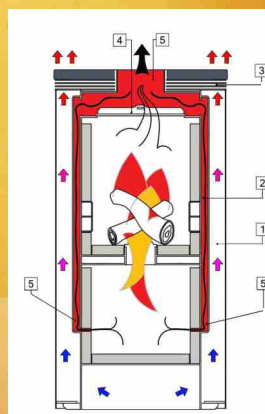


ADVANTAGES OF THE FIREPLACE-STOVES PYRO MAGIC

- 🔥 Pyrolytic (bicameral) combustion (two flames) system
- 🔥 Efficacy more than 83 %
- 🔥 Air-wash system – self-glass-cleaning
- 🔥 Stainlesssteel heat-resistant grate and nozzle
- 🔥 Stainless steel heat-resistant ash pan
- 🔥 Made of heat-resistant 5 mm thick material
- 🔥 Large loading space (long burning time)
- 🔥 Simple combustion air management
- 🔥 Possibility of extern burning air supply
- 🔥 Vermiculite burning chamber (long lifespan)
- 🔥 40 % lower fuel consumption with the same heat performance compared to stoves with classical combustion
- 🔥 40 % less ashes, compared to stoves with classical burning
- 🔥 Attractive looks of the stoves
- 🔥 Attested 🔥 Patented

WARM-AIR CIRCULATION SCHEME

- 1 COLD AIR ENTRY FOR THE WARMTH EXCHANGE
- 2 WARM-AIR EXCHANGER
- 3 WARMED AIR OUTLET
- 4 EXHAUST DRAW OFF – direct path, for lighting up and stoking up
- 5 EXHAUST DRAW OFF – pyrolytic combustion path



Usage of the fireplace stoves PYRO MAGIC:

Heating of living rooms of - Lodges, Cottages, Family houses, Flats, Restaurants and the like.

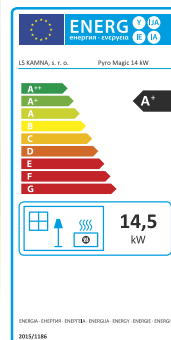
2 years guarantee.
Designs, consultations
and shipping straight to you.

THE STOVES MEET THE STRICTEST
EUROPEAN EMISSION STANDARDS.

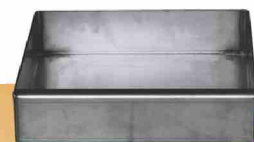
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THE PYROLYTIC STOVES PYRO MAGIC

Model of the stoves Pyro Magic	6 kW	10 kW	14 kW
Heat performance	2 - 7 kW	4 - 11 kW	6 - 15 kW
Heated space	50 - 170 m ³	100 - 260 m ³	200 - 500 m ³
Efficiency (at nominal performance)	82 %	83 %	83 %
CO emissions at O ₂ = 13%	0.07 %	0.07 %	0.08 %
Fuel consumption (at nominal performance)	1.3 kg/h	2.4 kg/h	4.2 kg/h
Stoking space depth (max. log length)	280 mm	370 mm	370 mm
Fireplace volume	17.5 l	40.6 l	54 l
Combustion products temperature (at nominal performance)	175°C	200°C	215°C
Width	472 mm	542 mm	612 mm
Depth	490 mm	555 mm	555 mm
Height	952 mm	1062 mm	1062 mm
Chimney draught	12 Pa	12 Pa	12 Pa
Uptake	above	above	above
Uptake diameter	130 mm	150 mm	150 mm
Total weight	125 kg	155 kg	175 kg



Stainless steel heat-resistant nozzle



Stainless steel heat-resistant ash pan

In addition the stoves Pyro Magic meet the strictest emission limits and thus save the environment with guarantee of possible using in the future.

Combustion process:

When heating the stoves up, the wood-gas arises in the upper chamber. When the chimney damper is closed, the wood-gas starts streaming from the upper chamber to the lower one through the nozzle where it is oxygenated by the preheated secondary air and combusted by a high temperature over 1000°C. An extraordinary quality is no need of the combustion products fan for the burning process. For actual combustion suffices just a good chimney draught (about 12 Pa).

High efficacy:

The high efficacy of the stove is secured with the high-quality combustion, as well as with the exchanging of the flowing gasses heat from the lower chamber to the site warm-exchanging stove spaces, which are in addition equipped with double-cloak for better warmth convection. Thus the very effective transfer of the heat to its surrounding is reached.

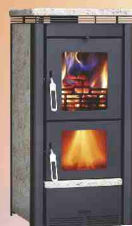
Gasification (pyrolysis):

The essence of gasification is in the heat decomposition of organic and inorganic matters in a closed stove chamber, with a support of the primary airbrought. At first the volatile fuel components get dried. In next phase are the released gasses mixed in the nozzle space with the preheated secondary air and together create a burning gas mixture – it is burned and drained away through the warm-air exchanger into the chimney.

Czech quality and first-class workshop processing:

Using quality heat-resistant materials is a matter of course; apart from that, stove parts that are exposed to the extreme conditions and high temperatures are made of stainless steel fireproof and chemically resistant materials.

Enjoy the new dimension of the fire and be carried away by the look at the outstanding flame play in two burning chambers.



Sampler of Stones



Multicolor Red



Shivakashi



Maple Red



Balmoral Red



Baltic Brown



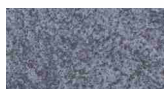
Rosa Beta



Vahlovice



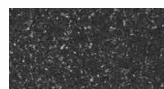
Sunset Gold



Orion Blue



Olive Green



Black TD



Sesame Black



Labrador Emerald



Labrador Blue Pearl

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