

THE PYROLYTIC STOVES

Stoves with the unique technology of pyrolytic combustion with two burning chambers and possibility of heating one or more rooms due to the warm-air distribution.



PYRO GALAXY

Exclusively with LS stoves

This stove was made with sophisticated technology of high temperature wood-gasification. This technology offers an effective combustion with minimal wood consumption, a very high efficacy and minimized pollutant volume in combustion products.

The stove does not need a draw-off ventilator for burning – just a natural chimney draught.

🔥 Environment friendly pyrolytic (bicameral) burning (two flames) system

🔥 Massive construction made of heat-resistant 5 mm thick material

🔥 Thermostatic performance regulation (bimetal)

🔥 Performance: 6, 10 and 14 kW

🔥 Efficacy 87 to 90 %

🔥 Stainless steel and titan heat-resistant ash pan, grate and nozzle

🔥 Vermiculite burning chamber (long lifespan)

🔥 Air-wash system – self-glass-cleaning

🔥 Built-in warm-exchanger with a quiet fan

🔥 Fan performance automatically regulated by the control unit

🔥 Attested 🔥 Patented

Using: Lodges, Cottages, Family houses, Flats, Restaurants and the like



PyroGalaxy 6kW
Basic variety without the natural stone cladding



PyroGalaxy 10kW
Variety with upper desk and sides made of natural stone cladding



PyroGalaxy 14kW
Variety with upper desk and sides made of natural stone cladding



Through the two combustion chambers with blazing flame and radiating heat-emitting warmth, the stove evokes very pleasant atmosphere in your living room.

SCHEME OF THE WARM-AIR CIRCULATION

- 1 AIR INPUT
- 2 AIR SPREAD ALL AROUND THE INNER CLOAK
- 3 WARMED-AIR OUTPUT FOR DISTRIBUTION TO SURROUNDING ROOMS
- 4 COMBUSTION PRODUCTS EXHAUST – STRAIGHT WAY – HEATING UP AND STOKING
- 5 COMBUSTION PRODUCTS EXHAUST – WAY OF PYROLYTIC COMBUSTION



- 🔥 Long intervals of ashes emptying
- 🔥 Large stoking space (long burning time)
- 🔥 Possibility of air distribution from the rear part of the stove to other rooms
- 🔥 Burning air control system using the thermostatic regulator
- 🔥 Possibility of extern-burning-air input
- 🔥 50 % lower fuel consumption for an equal heating performance compared to stoves with classical burning
- 🔥 50 % less ashes compared to stoves with classical burning

The extraordinariness of this stove is connected with the pyrolysis process (gasification by high temperatures). Pyro Galaxy stoves consist of two chambers. 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 the preheated secondary air which raises the efficacy and enables the high temperature (over 1000°C) combustion is brought. During such a high temperature the amount of pollutants in exhausts is minimized. The combustion products are then led away through the warm-air exchanger into the chimney. Only a good chimney draught (about 12 Pa) suffices for the combustion.

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

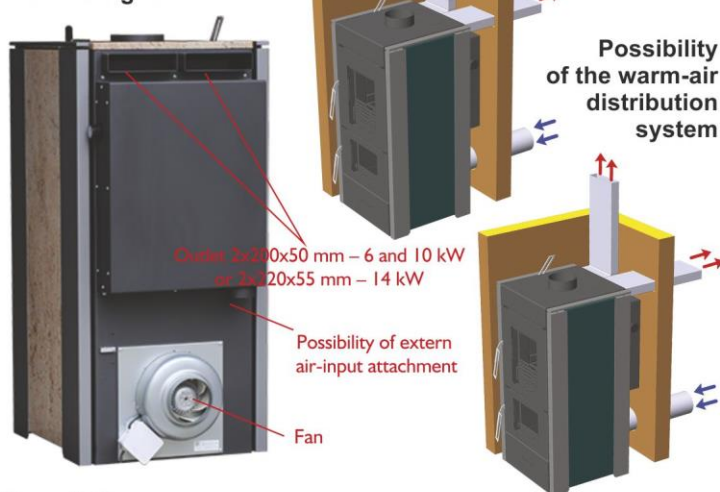
THE STOVES MEET THE STRICTEST
EUROPEAN EMISSION STANDARDS.

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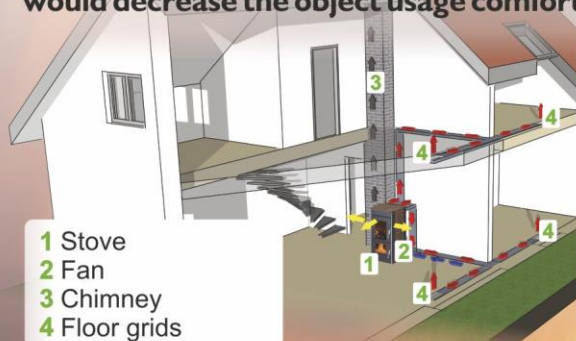
PYROLYTIC STOVES PYRO GALAXY

Model of the stoves Pyro Galaxy	6 kW	10 kW	14 kW
Heat performance	3 - 8 kW	4 - 11 kW	6 - 15 kW
Heated space	80 - 230 m³	100 - 280 m³	200 - 500 m³
Fuel consumption	1,8 kg/h	2,4 kg/h	4 kg/h
Efficacy	87 - 92%	87 - 92%	87 - 92%
Emission of CO by O ₂ =13%	0,04%	0,04%	0,04%
Maximal load of firewood	2,5 kg/St.	3,5 kg/St.	5 kg/St.
Heated air flow	50 - 230 m³/h	50 - 280 m³/h	100 - 500 m³/h
Constant temperature at the output	50 - 110 °C	50 - 110 °C	50 - 110 °C
Stove fan input power - min. and max.	10 - 40 W	10 - 40 W	15 - 62 W
Fan noise level - min. and max.	17 dB - 37 dB	17 dB - 37 dB	19 dB - 43 dB
Warm-air pipes	2 x 200 x 50 mm	2 x 200 x 50 mm	2 x 220 x 55 mm
Combustion products temperature	190 °C	190 °C	190 °C
Smoke flue diameter	150 mm	150 mm	160 mm
Chimney draught	12 Pa	12 Pa	12 Pa
Maximal wood log length	280 mm	370 mm	370 mm
Depth	673 mm	730 mm	764 mm
Width	540 mm	561 mm	630 mm
Height	1155 mm	1207 mm	1256 mm
Weight	200 kg	235 kg	265 kg

Behind sight



An advantage of the stoves Pyro Galaxy is the possibility of the warm-air distribution system attachment and heating of more rooms without necessity of building complicated and expensive brick linings or warmth collectors. Thanks to this no overheating of the rooms where the stove is placed comes about. Next benefit of the warm-air stove is no need of a heating unit or pipe system where could water freeze in wintertime. Thus the stove is suitable for the recreation objects, which are usually left abandoned for few days or weeks and manipulation with water in heating system would decrease the object usage comfort.



Legend:

- Input a cold air to the fan
- Exhale warm air from the stove
- Keeping warm air trough duct in the wall and floor
- Drawing flue gases trough a separate chimney flue

Warmed-air distribution system

These stoves enable warm-air distribution to other rooms through the pipe system which is or is not thermally insulated. It is possible to add filters and warm-air accumulative radiator, which are capable of air-to-radiant-warmth exchange. In the behind part of the stove there standardly are two angular sleeves of 200x50 mm (performances 6 and 10 kW) or 220x55 mm (performance 14 kW) for warm-air distribution. Others are possible, according to customers' wishes.

A quiet fan operated by a **control unit with a thermal sensor** is a part of the stoves. This unit secures optimal fan revs (warmed-air flow rate to the warm-air distribution system), dependent on the heating intensity and required stove performance. The fan performance can be manually or automatically regulated.

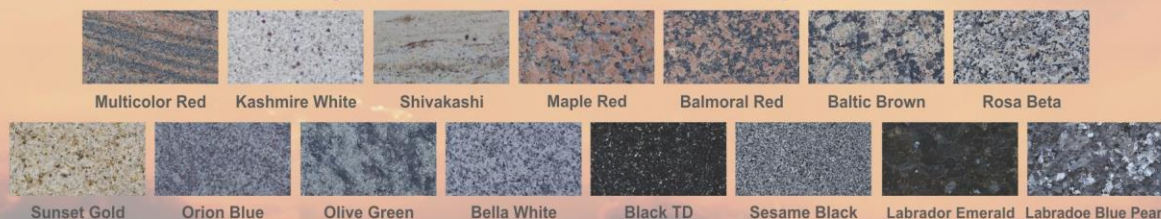


Accumulative warm-air radiator

This device is a suitable complement of the warm air stove with possibility of warm-air distribution system. High temperature warmed-air flows through the inside of the radiator, where the accumulative bricks are placed – when warmed up, these exchange the warm-air to radiant warmth, which glows to its surrounding. Next two advantages of the radiator are the reduction of noise made by the warm-air flowing from the warm-air pipelines, and the outlet for another potential warm-air pipeline attachment.



The stoves can be ordered provided with a metal sheet or an upper and site nature stone desks.



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