

LPG and natural gas industrial catalytic heaters



Environment respect +
Low operating costs =

Catalytic Energy

Catalysts are chemical substances which speed up a reaction without being consumed in the process. In the industrial catalytic heaters model Infragas S/2000 and S/1000 gases are filtered through a series of highly selective catalysts, previously heated by an armoured stainless steel electric element, and then combined with the oxygen in the atmosphere creating infrared flameless heat.

Applications



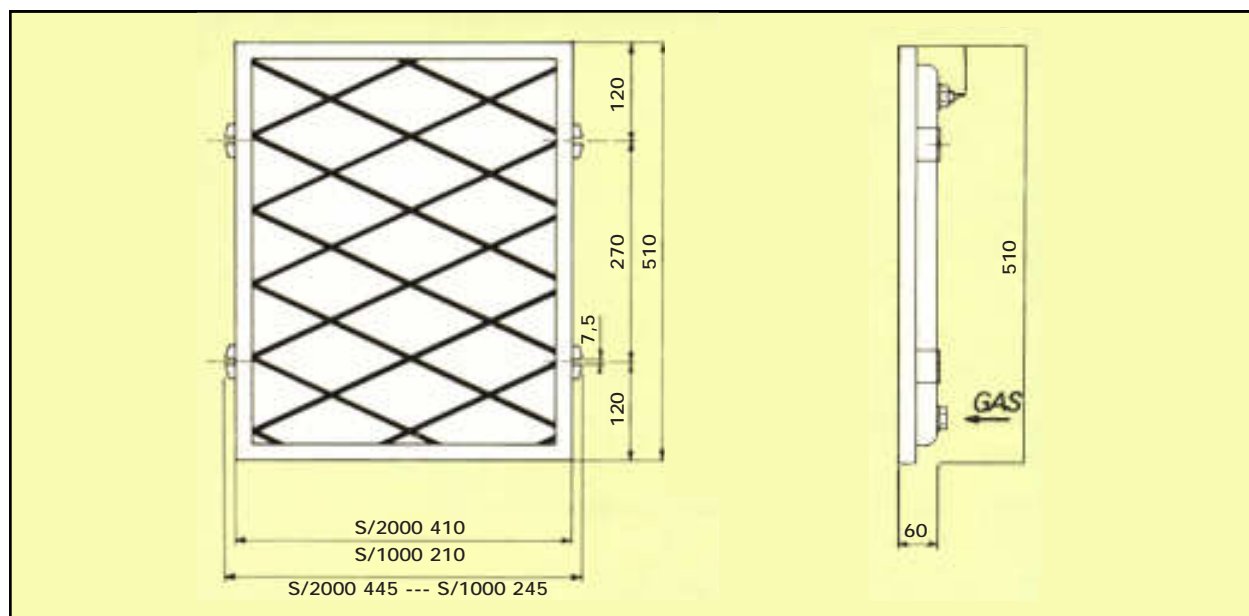
- * Varnishes
Drying after spraying or powder application on metallic items.
- * Plastic, carpets and polypropylene
Preheating for thermoforming, meltings of polyethylene, powder and resins.
- * Paper
Drying of resins on paper or card board, drying after spraying, printing or coating.
- * Leather
Drying on toggling, drying after spraying, coating, gelling.
- * Foundry
Drying of moulds.
- * Textiles, waddings air foam
Drying of natural and synthetic fabrics; dyes on fibers and fabrics, felts, silk-screen process, gelling on air foam, meltings of resins on card boards, polymerization of resins.
- * Wood
Drying after spraying of varnishes or adhesives.
- * Packing
Ovens for retractable plastics.
- * Others
Driers for all problems concerning drying, preheating,

Advantages

- * No flame, absolute safety.
- * Maximum efficiency.
- * Low operating cost.
- * No maintenance.
- * Easy installation
- * temperature uniformity over the entire surface.
- * No fumes or odours.
- * No carbon monoxide.

Technical data

		S/2000	S/1000
Max thermic power	Kcal/h	4000	2000
Power absorption on preheating	Kwatt	0,800	0,500
Preheating time	min.	18	18
Standard voltage (others available on request)	Volt	220	220
Max natural gas consumption	m ³ /h	0,450	0,225
Max LPG consumption	gr/h	370	185
Radiant surface	cm	47x37	47x18,5
Weight	kg	5	3,5

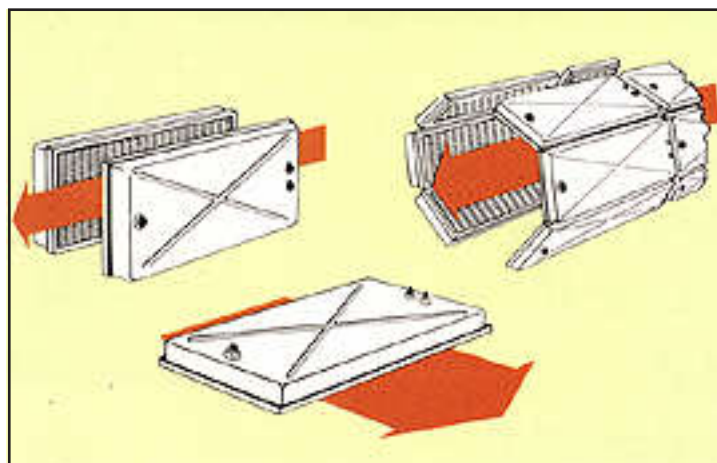


Application examples

Gasoline, solvents or any other inflammable substance brought into contact with the surface of the heater evaporates without igniting.

A spout of gas thrown onto the surface of the heater is catalysed as well and there is no danger of explosion or fire.

A flame brought near the surface of the heater is extinguished.



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