



INFRA BAF DES

FARMS AND GREENHOUSES RADIANT SYSTEM WITH 3 SPECIFIC FEATURES RADIANT HEATING HEATING OF THE FLOOR

CONVECTION HEATING OF THE ENVIRONMENT

DESTRATIFICATION ENERGY SAVING



THE ADVANTAGES OF CHOOSING INFRA BAF DES



Radiant system "**INFRA BAF DES**" heats through radiation and convection with destratification effect, directing heat only to specific areas

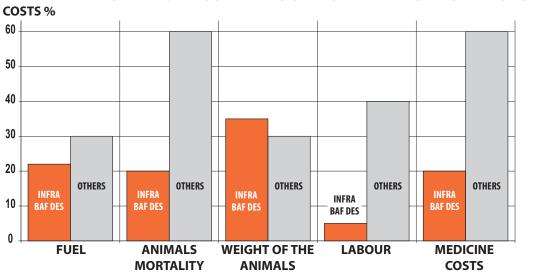
ADVANTAGES

- Direct heating of the surfaces and of the animals under the radiation cone
- The location is heated through convection and thanks to the latent heat produced by the animals' body
- Warm air destratification enables to get a better heat distribution and, consequently, energy saving.
- Heating of different areas of the farm, in relation to production cycles, with computerized electronic control.
- High profitability: this product has low consumption, reduces costs by 20 or 30% and increases earnings by 10 or 20%

SAVING

- **NO POLLUTERS**
- ☑ RELATIVE HUMIDITY IN THE STALL IS REDUCED
- ✓ TEMPERATURE IS CONSTANT IN EACH SECTOR OF THE STALL, THERE ARE NO HUGE TEMPERATURE DIFFERENCES
- ☑ LOWER MORTALITY AMONG ANIMALS
- **☑** LOWER USE OF MEDICINES

- ✓ REDUCTION OF THE RESPIRATORY PATHOLOGY AMONG ANIMALS
- ☑ SAVING ON WORK AND MAINTENANCE
- ✓ POSSIBILITY OF HEATING SINGLE ZONES ACCORDING TO THE PRODUCTION CYCLES, WITHOUT MODIFYING THE SYSTEM



SAVING IN COMPARISON TO THE TRADITIONAL SYSTEMS

INFRA BAF DES MORE VALUE TO YOUR BREEDING

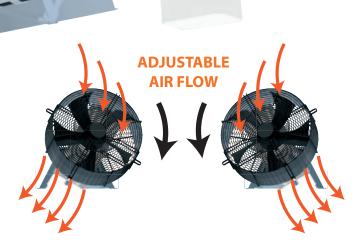


EASY - RELIABLE - CHEAP!

INTERNATIONAL PATENT N. 0001412935

- CERTIFIED PRODUCT FOR INSTALLATION TYPE A
- **EFFICIENCY OF 100%**
- ✓ UNLIKE OTHER SYSTEMS, INFRA BAF DES HEATS THE GROUND BY RADIATION

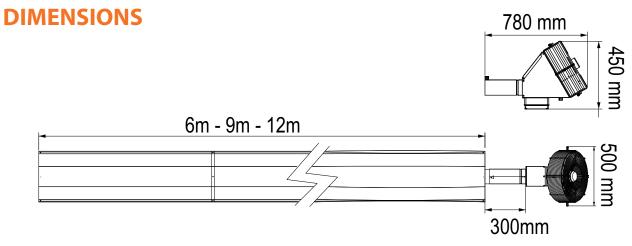




TECHNICAL FEATURE

MODELS INFRA BAF DES			б .9кw	б .20кw 9 .20кw	9 .28KW	12 .40кw
Rated THERMAL INPUT		kW (Hi)	9	20	28	40
Rated THERMAL OUTPUT		kcal	7740	17200	24080	34400
Rated CONSUMPTION at 15°C and 1013,25	Natural gas G20	Nm³/h	0,952	2,116	2,962	4,232
	LPG. Butane G30	Kg/h	0,708	1,574	2,204	3,149
mbar	LPG. Propane G31	Kg/h	0,702	1,56	2,184	3,12
ELECTRIC POWER SUPPLY		V/Hz	230/50	230/50	230/50	230/50
MAX. absorbed ELECTRIC POWER		W	180	300	300	300
GAS COUPLING (F)		inches	1/2"	1/2"	1/2"	1/2"

The buildings where these products are installed required air exchanges according to regulations in force.

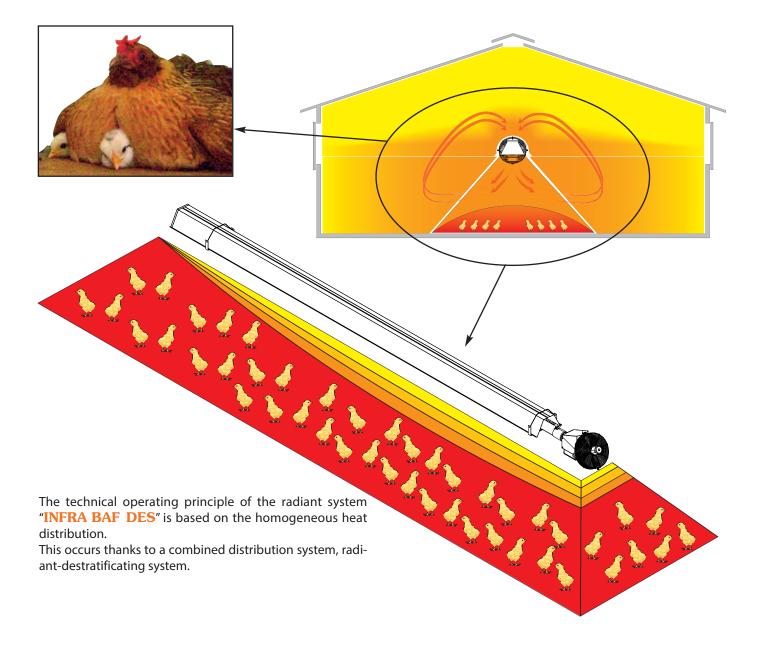


HOW IT WORKS? WE RECREATED THE "BROODING HEN" EFFECT

Destratificating radiant system "INFRA BAF DES" heats both through direct radiation and through destratification of the heat that accumulates in the higher part of the building: the heat is directed to the ground towards animals. The device directs the heat only to those areas which are subject to its radiation cone and to the destratificating air flow: in this way, the poduct artificially reproduces the "**hen effect**". Besides, the air will be heated also by the latent heat produced by the animals' body.

With this heating system, animals, looking for comfort, place themselves under the radiation cone (the big hen), while they avoid to place themselves where it's cold. It's important to create the ideal thermal comfort, the so-called "**hen effect**", which can be obtained only with a radiant and destratificating system, for poultry health.

When chicks eat, they tend to prefer warm temperatures, and they look for the ideal temperature that **INFRA BAF DES** is able to create. After being satisfied, the chick freely moves also outside the ideal thermal area, towards less warm areas, in order to work off the heat of the body, according to its metabolism.



INFRA BAF DES FOR POULTRY APPLICATIONS

INFRA BAF DES, is used only for the heating of free animals on the floor with uneven temperature of 20/25°C.

INFRA BAF DES is apt for the heating at low temperature all animal species.



QUAILS BREEDING

INFRA BAF DES, QUAILS BREEDING:

This kind of animals tend to be wilder than other animals and can ask for different attentions.

Thanks to **INFRA BAF DES** we can achieve further advantages among which:

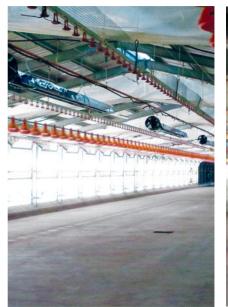
- ✓ VERY LOW INITIAL MORTALITY AND DURING THE CYCLE
- ✓ HEALTHIER ANIMALS AND BETTER QUALITY LIFE FOR THEM BETTER DEVELOPMENT OF THE ANIMALS AND NO "BLOATS" ON THE BREASTBONE, AS HAPPENS TO THE ANIMALS IN CAGES
- ☑ BETTER MEAT QUALITY, INCREASED RENDERING WHEN SLAUGHTERED, WASTE REDUCTION
- ☑ GREAT REDUCTION OF LABOUR FOR THE BREEDER, SINCE THE SYSTEM IS SAFE AND RELIABLE ALSO IN THE HARDEST WINTER SEASONS, A REAL SAVING OF TIME AND MONEY.















GREENHOUSES





















PIG FARMS







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