

CoronaS - air inlet for pig and poultry production



In order to achieve good results as a pig and poultry producer it is essential that the climate in the building is optimal. Effective control of temperature and humidity requires that air from outside is brought to the house in precise quantities. Depending on the damper position in the chimney, the CoronaS very precisely mixes the incoming air with warm room air. The constant circulation of temperate air among the animals keeps the floor/bedding dry and removes CO₂ and other gaseous waste products.

Climate optimization and energy savings

During the growth period - and depending on the climate outside - the mixing of air is automatically changed always adding the exact amount of air that is needed to maintain the optimum climate in the building.

Reduced heating costs

The CoronaS utilize the warm air under the ceiling simply by sucking it in down, mix it with air from outside and distribute this temperate air in the building and among the animals. A simple solution ensuring optimum climate conditions in the house and bringing savings on heating by as much as 50% compared to other systems- year in, year out.



TECHNICAL SPECIFICATIONS

Motor 3 x 400 V:	1.1 A 0,3 kW.
Volume flow:	12,000 m ³ /h @ 0Pa.
Fan blade pitch:	46°.
Chimney diameter:	760/740mm.
Damper:	Turning.
Materials:	ABS and stainless steel.
Fasteners/brackets:	stainless steel AISI 304/A2.

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Recirkulation

At low ventilation rates the CoronaS preheats the air by mixing a minor quantity of incoming air with warmer room air, before distributing the air evenly throughout the building, thereby eliminating draught and cold air fall out.

Mixing

Depending on damper position in the chimney, the mixing percentage of incoming air/warm room air automatically changes. The desired temperature in the room adjusts quickly and efficiently, ensuring even and appropriate temperatures and high air quality.

Full flow

At full flow the CoronaS forces the cool air outwards, giving maximum airflow and air speed in the occupied zone. This unique air distribution pattern ensures abundant air supply and a high degree of thermal comfort. Fully opened dampers are used during hot weather.

