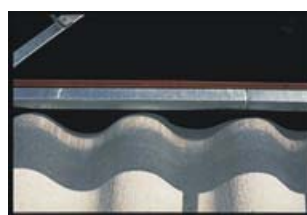


Natural Ventilation - System 1-2-3



System 1-2-3

Natural ventilation is the best solution for ventilation in pig houses with loose pigs.

Product description

Funki natural ventilation system 1-2-3 has been constructed with light plate in closed double-ply polycarbonate, with 10 years guarantee for light transmittance. The plate is normally non-condensing, and presents an especially good light transmittance due to the deep lamellas and ensures a pleasant lighting in the house.

A longitudinal wind rejection plate, mounted on both sides of the ridge opening, is adjusted parallel to the roof.

A vacuum is built up between the overhead light plate and the wind rejection plate, where the air is sucked out of the house.

In periods with less wind, the heat of the animals will create a natural lifting power in the house and direct the heated air out through the roof opening.

The system is constructed as modules with a length of 210 cm and a height of 30 cm above roof (i.e. an air area of 12.600 cm² per module). If a larger air passage per section is required, modules can be supplied at a height of 40 cm above roof. The width varies according to requirement.

System 1-2-3 can be supplied with non-adjustable wind rejection plates. The gable plates covers in this system the opening area all the way to the wind rejection plates to avoid air draught over the animals.

Bird blockades must be mounted above the purlin in the ridge, so that no humid air can penetrate the roof construction, when the ridge is closed.

Adjustment

The wind rejection plates can be adjusted individually or joint with one or two regulating levers. In periods with strong wind against one of the sides of the ridge, it is an advantage to use individual adjustment.

The system may be controlled by electronic control and Hydromat drive unit. The development of the electronic controls has made it possible to control the air openings in the system so precisely that a constant regular air is kept in the house.

A simple rail system regulates the plate parallel to the roof opening. The adjustable rail is mounted rigidly on the roof plates and fabricated in hot-dip galvanized metal.

Materials

Construction fabricated in double-ply polycarbonate. The wind rejection plates are fabricated in steel and may be supplied in optional colour. Standard colour is light grey. The plate is finished with plastic profiles, so that dust does not settle in the hollow space. The modules in the ends are equipped with end gable as well as wheel for wire pull.

Building

When mounting inlet openings immediately in front of the ridge, see to it that ventilation is appropriate in the hollow space. Bird blockades must be mounted above the purlin in the ridge, so that not humid air can penetrate the roof construction, when the ridge is closed.

Funki light inlet is supplied as air inlet (see backside).

Light Inlet - System 1-2-3

Light inlets

Funki can supply light inlets as air inlet. The light inlet has been developed especially for natural ventilation, and consists of inlet fabricated in faced plywood as well as inlet baffle in double light sheet. The light sheet ensures full light transmittance, even when the inlet baffle is closed



The light sheets may be supplied in combination of the following standard dimensions.



Height, cm	Depth, cm	Length, cm
30	20	200
36	25	250
42	30	300
48	35	
54	40	
60		