Agri Automation





AeroComp Wind compensation unit for accurately controlling the ventilation pattern

- Suitable for various ventilation concepts
- Ensures constant air distribution in the house
- Equal air flows through all inlet flaps
- Integrated volume measurement
- Uses the smart Gusty value to compensate for unwanted wind influences
- Trouble-free ventilation with both minimally and maximally opened flaps
- Compatible with the new generation of Stienen BE management computers
- Aerodynamic design

STIENEN B

Aerocomp For minimizing external wind influences

Ensuring a constant air flow at the level of the animals is only possible if external wind influences are minimized. The AeroComp, developed by Stienen BE, offers the perfect solution by tackling the influence of the air outside the house, while at the same time ensuring sufficient ventilation. Wind that blows into the house on one side of the house creates a pressure difference that disrupts the ventilation pattern in the house. If pressure differences occur, the compensation flap on the wind side will close to ensure that the pressure difference and the air distribution over the inlet valves stay the same on both sides of the house. In turbulent weather, the total pressure over the house is increased further to, as much as possible, compensate for any pressure variations. The use of flaps with a sharks' teeth profile and the accuracy of corresponding measuring and control equipment enable optimum pressure control in the house.



Technical specifications Aero Comp

General

- Suitable for houses with 2 air inlet zones
- Control integrated in AeroWing
- Can be combined with the new generation of Stienen BE management computers.

Specifications

1.700 - 2.200 m³/h -> AC-75 2.200 - 2.550 m³/h -> AC-100 2.600 - 2.850 m³/h -> AC-125 3.300 - 3.900 m³/h -> AC-150

Dimensions

AC-75	750x1000x400	(wxhxd)
AC-100	1000x1000x400	
AC-125	1250x1000x400	
AC-150	1500x1000x400	

Operation AeroComp



EGM-winch motors

The Aerowing and the AeroComp are controlled independently of each other by Stienen BE EGM motors. They are fitted with robust brushless 24V motors with a tractive force of 100 and 250 kg respectively. As standard, the EGM series is supplied with a 0-10V control signal or potentiometer feedback.

AEROSolution In order to achieve the best result possible for the climate in the house, the AeroComp can be combined with:



Aeroving : An air inlet giving constant and independent incoming air throw. The AeroWing gives the incoming air a 22-degree angle along its entire range of operation. This ensures that the air throw is always optimal and enables a constant air throw to be guaranteed, even when there is only minimal ventilation.

Aero : A heat exchanger that preconditions the incoming air. To minimise the influences of a high or low outside temperature on the climate in the house, Stienen BE has introduced the AeroX. This heat exchanger is placed between the compensation valve and the air intake in order to efficiently heat or cool the incoming air. It enables the relative humidity to be lowered in summer and the minimum ventilation level to be raised in winter. This directly benefits the climate in the house and, as a result, your animals' wellbeing.