



DA 1200 Wall Inlet

For systems with pigs and poultry



The Air Intake

- an important Part of Ventilation

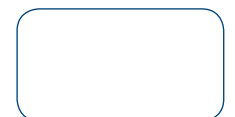
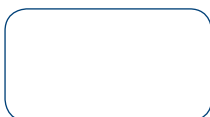
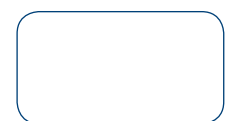
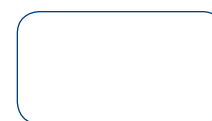
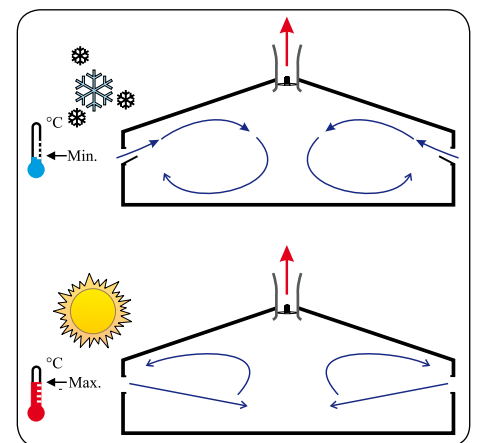


Irrespective of size, geometry or location of the house, SKOV has a solution for providing fresh air in the house. It has to be provided in the right height, direction, quantity and at the proper velocity.

At low outside temperatures, ventilation is used to remove the harmful gases given off by the animals, e.g. carbon dioxide. This means that cold air enters the house and if the temperature and velocity of this air are not correct when reaching the animals, problems may occur.

In hot weather, the ventilation system is to remove excess heat from the animals and create air movements round the animals in order to ensure a cooling effect.

At the same time, the air has to be distributed throughout the house and used optimally at the lowest possible energy consumption.



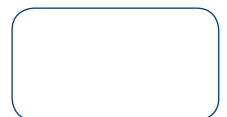
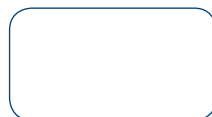
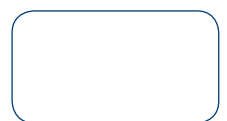
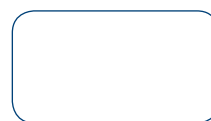
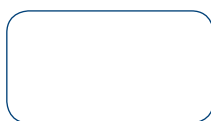


DA 1200 Wall Inlet

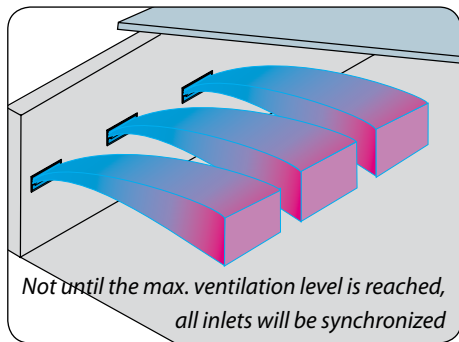
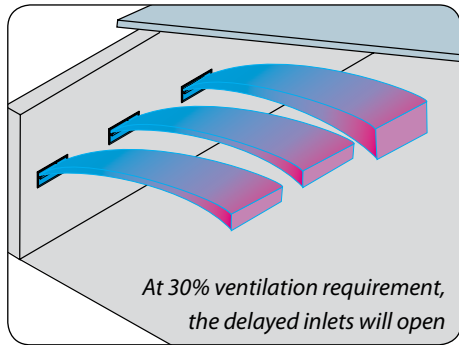
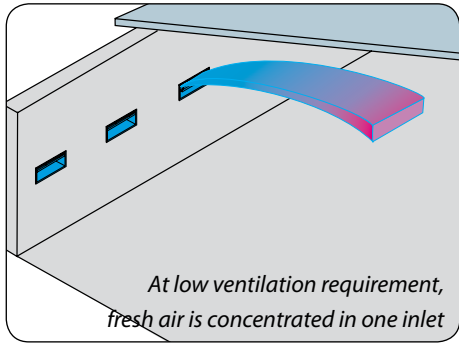
DA 1200 is a series of flexible wall inlets that adapt easily to the individual buildings. The inlet is supplied as a DA 1200 inlet for embedding or as a DA 1211 flange inlet.

The inlets can be embedded directly or cast into elements. There are four different sizes available for different wall thicknesses. The inlets require no additional support when embedded or cast.

The DA 1211 flange model can be used in wooden houses or other light constructions. An extension part can be mounted to adapt the inlet to various wall thicknesses.



Differentiated Opening - AIC (Advanced Inlet Control)



the animal zone. At maximum opening, the air is led over the animals in order to create air movement round the animals, thus generating cooling conditions through air velocity.

DA 1200 inlets opening a little bit, several of them open more.

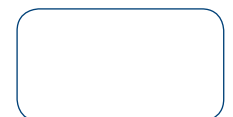
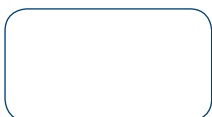
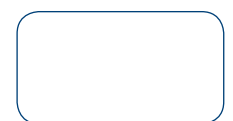
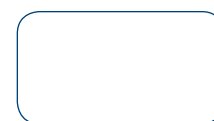
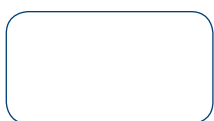
This will reduce the number of airflows but increase their size. Larger airflows are

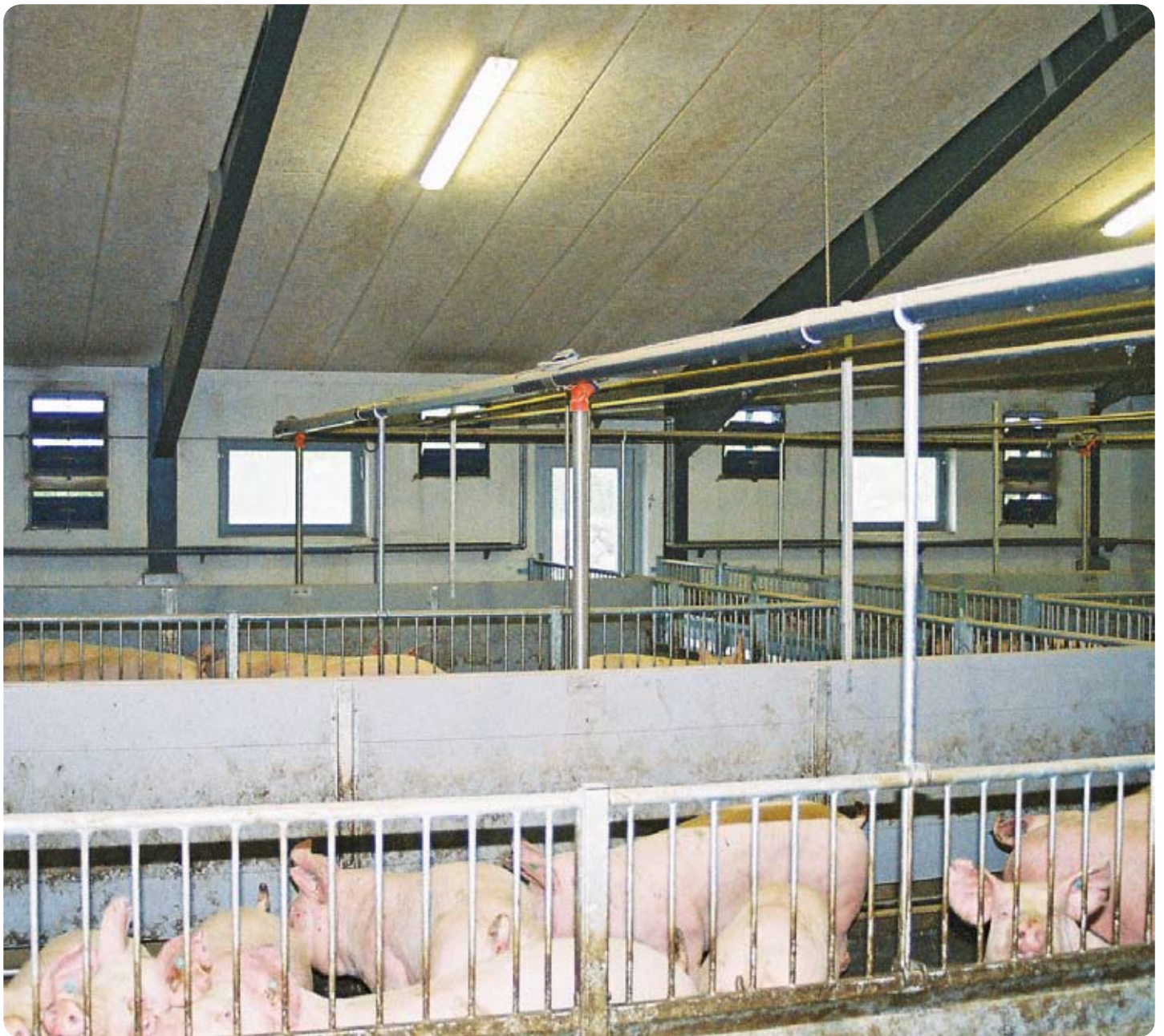


The differentiated opening feature makes it considerably easier to control the airflow at minimum ventilation. Instead of all the

more powerful and easier to lead further into the house, thus minimising the risk of both draught and down draught.

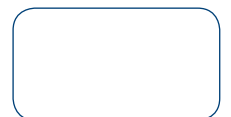
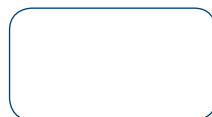
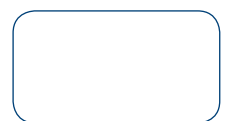
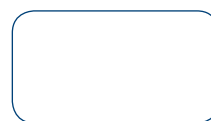
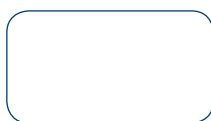
DA 1200 wall inlets ensure optimum air flow at all ventilation levels. At minimum ventilation, air is led upwards towards the house ceiling. The differentiated opening and the sharp edge of the shutter ensure that fresh air reaches the ceiling also at minimum ventilation so that the Coanda effect (the air adhesion effect) is achieved. The Coanda effect ensures that the air moves so far into the house that it is mixed with the house air before it reaches





Optimum Control of Air entering the House

DA 1200 can be equipped with a short or a long air direction baffle. A long air direction baffle can be supplemented with air direction side plates. The air direction baffles combined with the differentiated inlet opening feature ensure optimum direction of the fresh air.



Reinforced, insulated and impact-proof

The DA 1200 inlet shutter is insulated to prevent condensation. The flap is also reinforced with a metal bar to prevent it from deforming in very cold or hot climates. If the shutter deforms, the inlet will no longer be able to close tightly, which is critical to optimum ventilation.

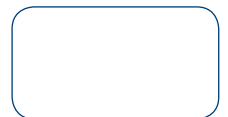
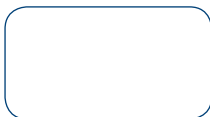
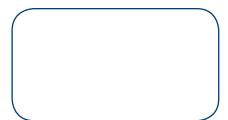
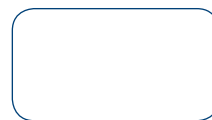
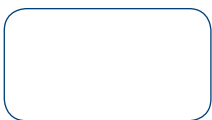
The tensile and impact strengths of the plastic material used for the inlet casing are high to prevent fractures in the inlet casing as a consequence of minor wall dislocations. If a fracture has first occurred in the inlet casing, the risk of water penetrating the wall and slowly damaging it, increases significantly.

Safe opening and closing Function

Four stainless steel springs keep the shutter closed. The inlets have to be pulled open. An 8mm pull rod is used in a SKOV system to open the inlet. The strong inlet springs ensure optimum, accurate closing under all conditions. As the inlets are pulled open, they can also open in frosty weather.

Reduction of Infection Risk

DA 1200 is available with an optional mesh designed to prevent birds or mice from entering the building. This reduces the risk of infection. The DA 1200 inlet shutter is also hermetically sealed as it is welded ultrasonically. No moisture can therefore penetrate the shutter which reduces the risk of bacterial attacks.





Minimum ventilation – great effect



Medium ventilation – some effect



Maximum ventilation – no effect

Incident Light

Usually, DA 1200 is delivered with a blue shutter; however, the inlet is also available with a transparent shutter so that daylight may also enter the house through inlets, anywhere wanted. In modern poultry production, it is important to be able to control the level of incident light. DA 1200 is therefore available with an optional light trap. The light trap is designed to ensure maximum light tightness combined with optimum aerodynamic features.

Outside Wind Action

DA 1200 is also available with an optional baffle plate to reduce the outside wind action. Such wind action can be a problem, particularly in narrow houses where the air intake is affected by strong winds on one side. The plate reduces the air intake area at a low ventilation level allowing the house to be ventilated at a lower negative pressure without increasing the velocity of the air out of the inlet.

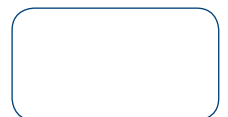
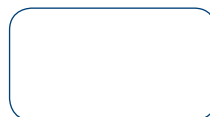
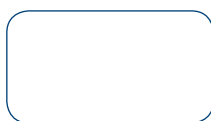
Inlet sleeve

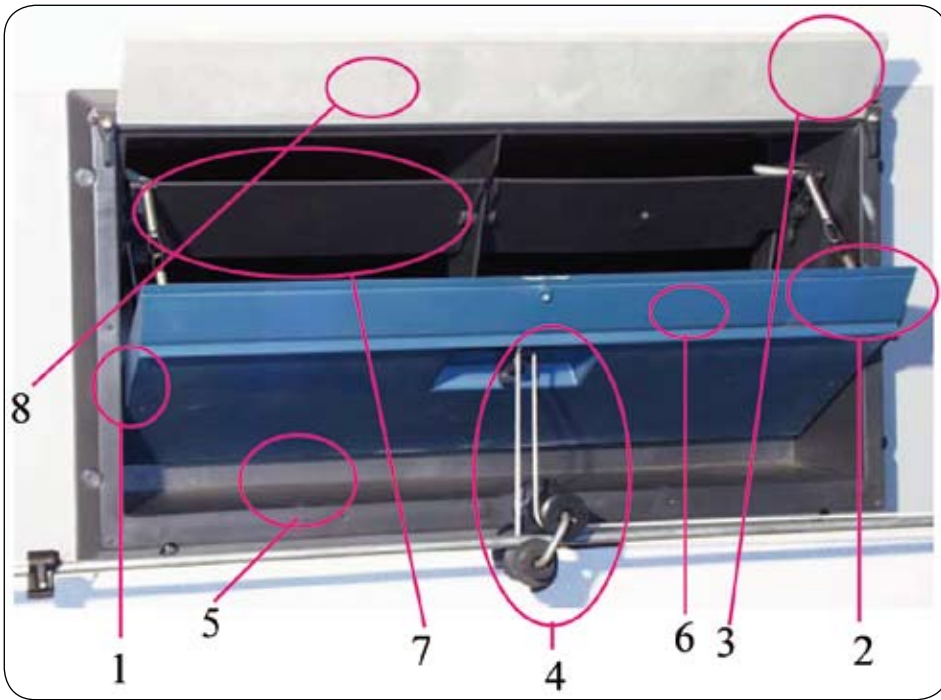
DA 1211 inlet sleeve is used for light wall constructions together with DA 1211 flange inlet. Application of the inlet sleeve provides a waterproof mounting with a good finish.

The inlet sleeve is designed to prevent drift snow from entering by the inlet and to moderate the wind impact on the capacity of the inlets. Furthermore, the inlet sleeve has a light dimming effect.

Easy Cleaning

The open, smooth easy-to-clean design ensures quick cleaning with a high-pressure cleaner.





DA 1200 – in brief

- 1 Inlet shutter in oblique position to lead air up to the ceiling at minimum ventilation
- 2 Sharp inlet edge to create a more intense air jet
- 3 Air direction plate to adjust the air jet to the ceiling pitch
- 4 Differentiated opening to generate more intense air jets at minimum ventilation
- 5 No cracks at the bottom of the inlet
- 6 Metal-reinforced shutter to ensure that the inlet closes tightly
- 7 Baffle plate to reduce the effect of the wind in very windy areas
- 8 The air can be led over the animals in hot weather.



SKOV supply climate and production management systems for animal production the world over. Our solutions are technologically advanced, user friendly and individually adapted to meet the needs of our customers.

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