

VentTubes

Positive Pressure Tube Ventilation



*A breath of fresh air
for livestock buildings*



The Best of Outdoors Indoors

Through innovation and product design we aim to continually improve the air quality in agricultural buildings, reduce heat stress on animals, reduce respiratory diseases and sickness, and improve yield and livestock performance. In essence, to provide The Best of Outdoors – Indoors.



About Positive Pressure Tube Ventilation (PPTV)

In modern agriculture the farmer needs to constantly balance optimisation of investments, sustainability and animal welfare.

Livestock housing plays a prominent role in animal welfare and for that reason Galebreaker is constantly innovating and developing its ventilation products to help the farmer to improve the environment within livestock buildings and so maintain a healthy herd. Optimising ventilation and air exchange within livestock buildings is of the utmost importance.

Methods of Ventilating Cattle Buildings

Air exchange and ventilation can be improved by using one or a combination of the following methods:

1. Natural ventilation – using side wall inlets in combination with a roof outlet.
2. Mechanical ventilation – using fans to create air movements around the animals.

However for the most vulnerable group of animals, i.e. calves, it can be a challenge to provide enough constant airflow using natural and/or mechanical negative ventilation methods alone. For calves we need additional ventilation in the building to achieve optimum year-round housing conditions. To help us to do that we have introduced the Galebreaker VentTube system.

Galebreaker VentTubes provide plenty of fresh, draught-free, equally dispersed air at animal level to remove moisture, gases, airborne pathogens and/or excess heat.



Galebreaker VentTubes

A VentTube consists of an outside mounted fan that is connected to a horizontally mounted fabric tube. This fabric tube is provided with air openings at strategic positions to allow evenly distributed clean fresh air to exit the tube along its length. The diameter of the tube and the position and size of the openings are crucial factors in providing an optimum fresh air-flow towards the animals. Galebreaker VentTubes are suspended on two cables rather than a single cable to prevent the tube from twisting.

In the past we have seen tube ventilation concepts that have been designed and positioned incorrectly. This can result in insufficient and even wrongly directed airflows which can lead to animal diseases. In order to avoid some of the mistakes that we have seen in the past, specialised knowledge has been applied in the specification of each VentTube installation to ensure that it is suitable for the individual application.



The Successful VentTube Installation

Each Galebreaker VentTube installation is carefully designed and specified in line with the appropriate calculation which is based on the volume and layout of the building:

- The correct number of VentTubes
- The correct size of ventilator
- The correct diameter and strategic positioning of the openings in the VentTubes
- Optimum height and positioning of the VentTubes
- Correct installation of the VentTubes



System Variations

On-site-visit

We can arrange a site visit by a trained Vetvice specialist to discuss the overall housing conditions and welfare management on your farm. Rather than just focusing on ventilation, the specialist will review the health of the herd in an holistic manner and will make recommendations accordingly.

Made-to-measure

For made-to-measure applications we will supply a questionnaire for you to complete. Based on the detailed information that you provide we will calculate the correct VentTube solution for your needs.

Off-the-shelf

We supply a VentTube and fan system for areas where accurate calculations on airflow, openings and position etc. are not necessary e.g. for workshop applications.



Galebreaker VentTubes in association with Vetvice

As an independent enterprise, Vetvice delivers practical and reliable information on dairy cow housing and husbandry to dairy farmers, their advisers and to suppliers all over the world. The aim of Vetvice is to maximize the health and welfare of animals and humans alike while guaranteeing the cost-effective production of top quality food products. Vetvice is also well known for their 'CowSignals' training programs and barn design service.

Vetvice use their expertise to size and specify each individual VentTube system. Galebreaker manufacture the systems in their purpose-built factory in the UK and offer a full installation service.

Galebreaker Agri have more than 30 years' experience in the manufacture and installation of ventilation, weather protection and access solutions for farm buildings and the range includes the VentTube system.

Recommended stocking and ventilation rates for calf housing

Bedded area surface (excluding feed passage):

- For calves on milk – minimum 2.5 m²
- For weaned calves – minimum 3.5 m²
- For young stock above 3 to 4 months – minimum 4 m²

Optimum group size

Maximum 8 calves per group is the optimum (more calves can result in more stress on individuals).

Ventilation

Minimum air volume (per hour per calf):

- For calves on milk – 25 to 30 m³
- For weaned calves – 40 to 85 m³

For calves up to 3 to 4 months the total air volume within the building should be exchanged 3.5 to 4 times per hour.

Dealer Stamp

Products are protected by international patents and international patents pending. Copyright © Galebreaker Agri Ltd 2017.



Made Herefordshire 



Galebreaker Agri Ltd
Galebreaker House
New Mills Industrial Estate
Ledbury
Herefordshire
HR8 2SS, UK.

Tel: +44 (0)1531 637900
Fax: +44 (0)1531 637901
Web: www.galebreaker.com

