

Tube Ventilation System



Hydor's Tube Ventilation System supplies fresh air to all parts of the building to dilute airborne pathogens and irritants. This system is particularly suitable for calf housing, smaller cow sheds and equine facilities.

Extending through the length of the shed above animal height the system provides a constant, positive supply of fresh air to the animal's immediate location, diluting foul air and ensuring even temperatures irrespective of outside weather conditions.

Dust, cobwebs, condensation, humid atmosphere and damp beds are all a precursor to pneumonia and health problems, furthermore, a lack of adequate ventilation leads to a build-up of ammonia and microorganisms.

The Tube Ventilation System has been proven to reduce cases of pneumonia as a result of damp and humid air conditions, particularly in calves.

Features & Benefits

- Positive air movement
- Air distribution to the animals' immediate environment
- Reduced cases of pneumonia due to improved air quality and even temperature
- Simple installation
- Low running costs
- Available in 3 diameters (dependent on building size and stocking density) with holes positioned according to a customer's requirements
- Available with optional HP58 controller to automatically control airflow by temperature

Tube Ventilation System



HXP Plate Fan

High efficiency fan designed to pass high volumes of air with minimum use of energy.



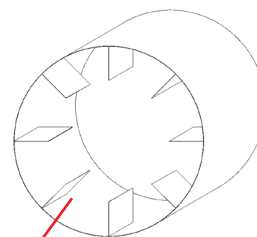
Wall Cowl with Bird Mesh

Allows air intake whilst preventing inlet of other kinds (e.g. rain, birds).



Inverter Controller

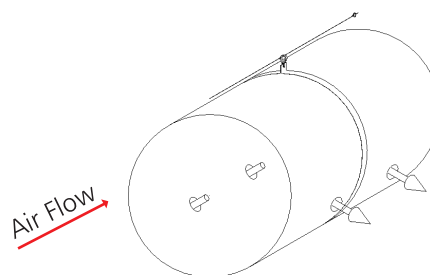
Variable speed controller for use with 220V to 240V 1Ph 50Hz supply.



Air Straightener

For increased air throw.

Tube Extends along the length of the shed, from wall to wall.



Tube System

The tube hangs from a catenary wire. Air flows into the tube, and is distributed along the shed through holes at positions as required along the tube as shown.

system components

- Hydor HXP Plate Fan
- Plastic external weather cowl complete with integral bird mesh
- Rigid downstream duct/air straightener
- Catenary wire complete with tensioning turnbuckles
- Tube with holes positioned according to a customer's requirements
- Variable speed Inverter control housed in an IP66 enclosure

For guidance only. Please contact Hydor for advice on your specific requirement.