

Tube Ventilation System

Hydor's Tube Ventilation System Supplies fresh air to all parts of the buildings to dilute airborne pathogens and irritants and prevent draughts. This System is particularly suitable for livestock buildings especially equine stables.

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

Dust, cobwebs, condensation, humid atmosphere and damp beds are all a precursor to disease and health problems, and a lack of adequate ventilation often leads to a build up of ammonia and microorganisms. The Tube Ventilation System has proven to reduce cases of pneumonia and Chronic Obstructive Pulmonary Disease in both foals, young athletic and mature horses, reducing vet bills.



Image credit: Jamie Osborne

features and benefits

- Positive air movement
- Air distribution to the animal's immediate environment
- Reduced cases of disease and health problems due to improved air quality and even temperature
- Simple installation
- Low running costs
- Substantially reduced vet bills
- Up to 34metres [100feet] tube with holes positioned according to a customer's requirements

technical

A 34metre x 14metre [100feet x 45feet] stable would require a 630mm fan, regardless of stable size.

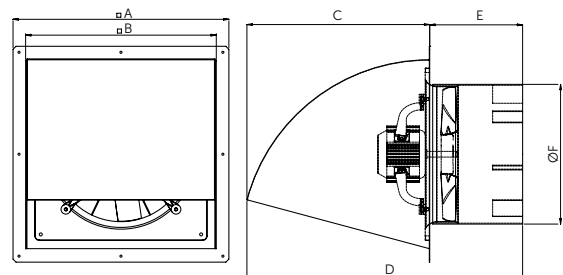
A 24metre [80feet] x 10metre [34feet] stable would require a 450mm fan depending on the number of animals housed.*

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
- Up to 34metre [100feet] tube with holes. Variable speed Inverter control housed in an IP65 enclosure

*The above is for guidance only. Please contact Hydor for advice on your specific requirement.

dimensional drawing



dimensions

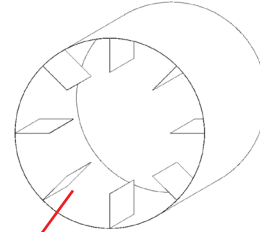
	A	B	C	D	E	F
HVSS450	755	645	470	780	310	466
HVSS630	935	815	555	865	310	656

Dimensions in mm.



HXP Plate Fan

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



Air Straightener

For increased air throw.



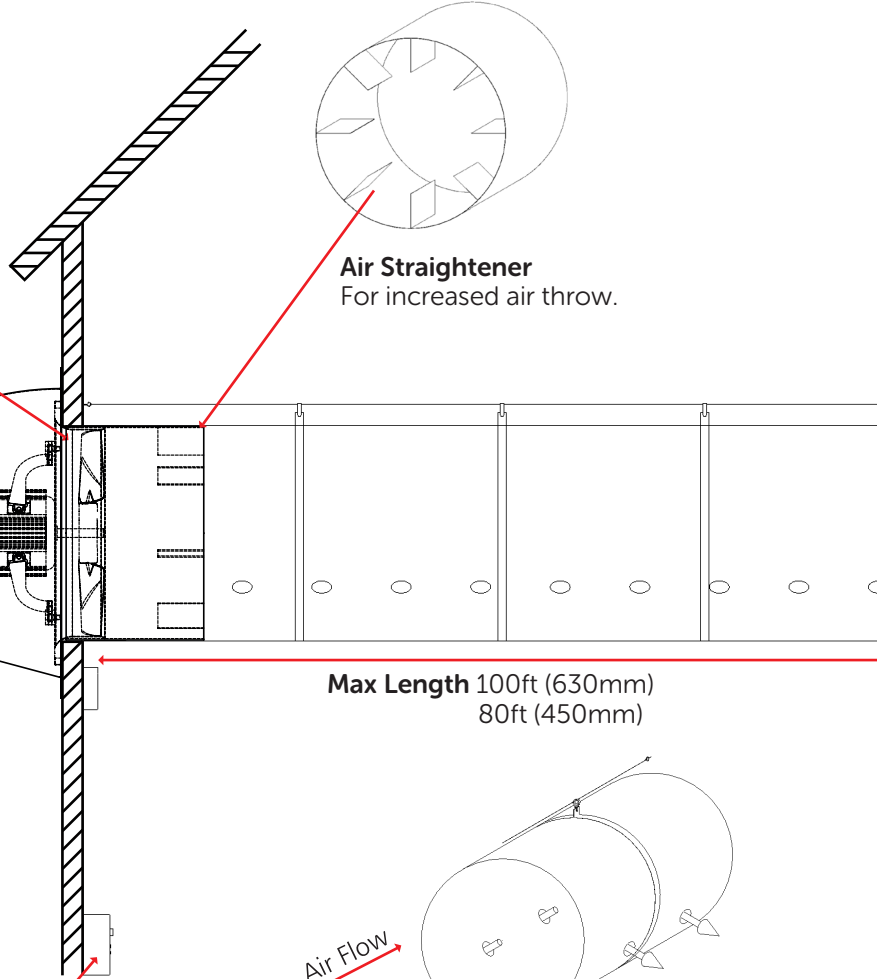
Wall Cowl with Bird Mesh

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

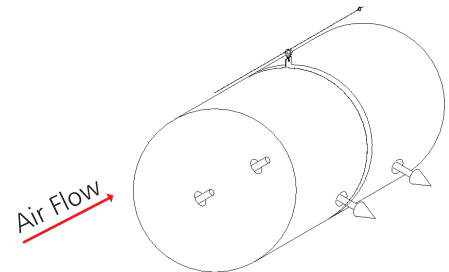


Inverter Controller

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



Max Length 100ft (630mm)
80ft (450mm)



Tube System

The tube hangs from a catenary wire which extends along the length of the shed, from wall to wall.

Air flows into the tube, and is distributed along the shed through holes at the four and eight o'clock positions along the tube as shown.

For more information about our Tube Ventilation System please contact us.