

Triton Home Vent Core Drill Ventilator



Triton Home Dry Vent offer a range of passive ventilation units designed to allow water vapour to escape from a building in a controlled way. The patent pending triple action filter promotes the escape of damp air with minimal heat loss. Cold draughts are restricted by a specially designed thermal core within the filter.

Condensation affects a large number of older properties due to the increase in water production brought about by modern lifestyles. At the same time, doors and windows are draught proofed and chimney flues sealed. The result can be unhealthy mould growth on cold surfaces and in poorly ventilated areas.

Triton Home Dry Vent is designed to ventilate bedrooms and living rooms where the constant background ventilation it provides allows water vapour to escape. For kitchens and bathrooms where water production is likely to be more spontaneous, mechanical ventilation should be used.

At a typical inside temperature of 20°C and relative humidity of 70% 1m³ of air contains 0.0125kg of water, creating a vapour pressure of 1.7 kPa above, which there is an increased risk of mould growth. At an air velocity of 0.09 m/s Triton Ultrovent diffuses up to 0.12kg of water per hour or 2.8 litres of water over a 24 hour period powered only by the vapour pressure differential that exists between inside a property and the external environment.

Installation of the Triton Ultrovent Core Drill Ventilator requires a 132mm core drill.

MODEL	VELOCITY	AIR DIFFUSION / HOUR	WATER DIFFUSION/ HOUR	WATER DISSIPATED OVER 24 HOURS
Core drill ventilator	0.09m/s	3.98m ³	0.05kg	1.2 litres

Water vapour diffusion through the range of Triton Home Dry Vent Ventilators at an air velocity of 0.09 m/s, 70% relative humidity and a temperature of 20°C.

	0.08m/s	0.09m/s	0.1m/s	0.11m/s
Core drill ventilator	1 litres	1.2 litres	1.3 litres	1.4 litres

The effect of changes in air velocity on water vapour diffusion through the range of Triton Home Dry Vent Ventilators at 70% relative humidity and a temperature of 20°C.

	Cavity liner size	Aperture size	Length	Extension
Core drill ventilator	125mm dia	127mm dia	300mm	440mm each

For further information please contact:

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Product Data Sheet

www.tritonsystems.co.uk

Ref: Triton *Home Dry Vent* Core Drill Ventilator 04/2012