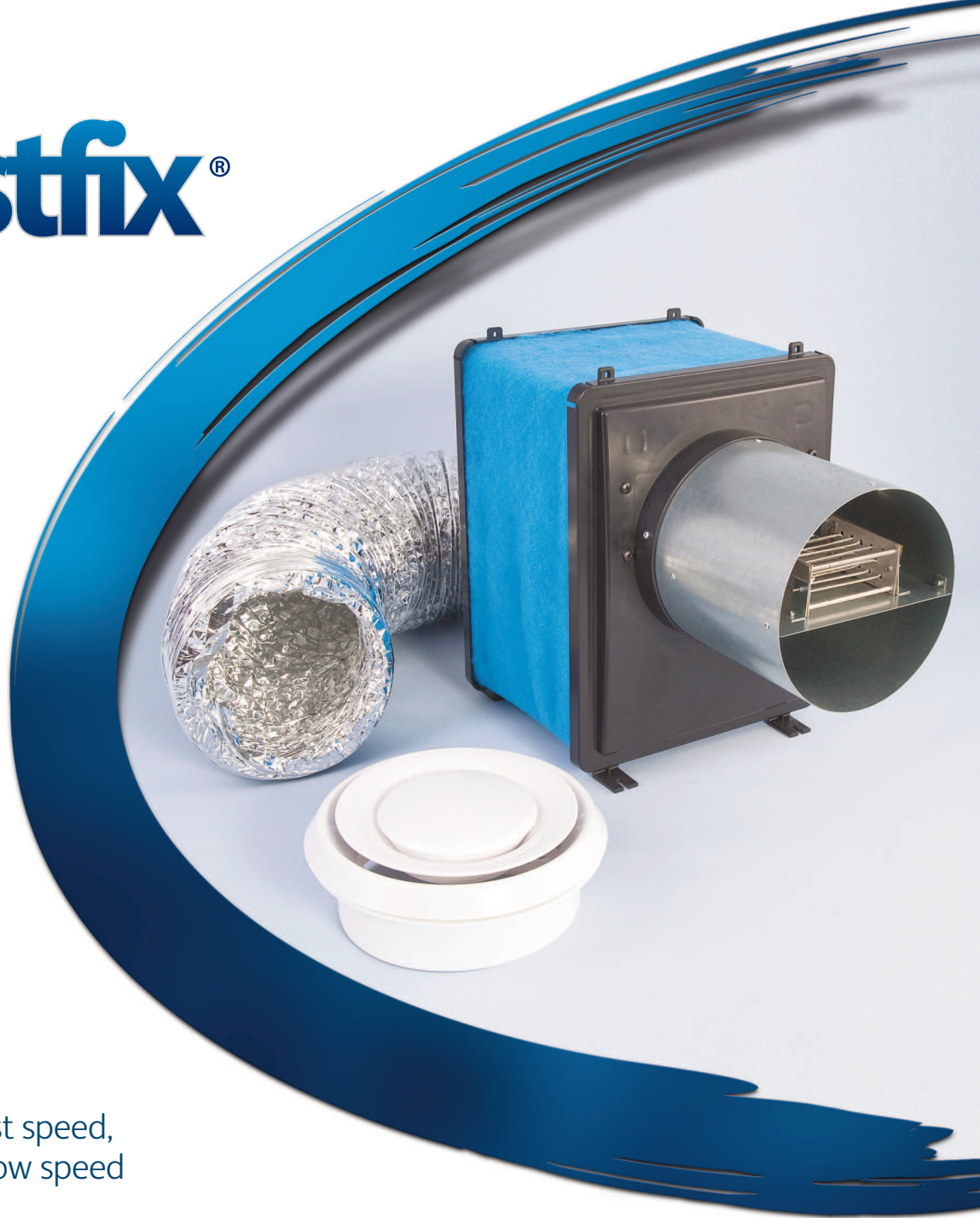


twistfix®



- Input rate
55 litres/sec fast speed,
44 litres/ sec slow speed
- Can be loft mounted
- Includes heater
- British made
- 2 year no quibble
guarantee
- CE

Homevent

Developed to eliminate moisture from the home by a constant circulation of gently pressurized clean air.

Description

The homevent provides whole home ventilation using the Positive Input Ventilation principle. Essentially the concept is to introduce fresh, filtered air into the dwelling at a continuous rate, encouraging movement of air from inside to outside.

To achieve this, the unit is mounted in the loft space, drawing air through the filters and inputting it, at ceiling level, into the property.

The homevent units are fitted with an internal temperature sensor. This sensor continuously monitors the temperature in the loft, boosting the air volume when the loft temperature is above a set level (heat recovery mode).

If the loft temperature becomes excessive the unit will switch to standby mode (no airflow). Once installed, the airflow can be set to suit the house size and, if required, the way it responds to the temperature changes within.

The homevent unit incorporates an integral heater which can be set to provide additional heating of the incoming air if required e.g. during very cold weather. The heater can be used to distribute filtered, warmed air throughout the property.



Loft Inspection

Check to ensure that the loft has adequate ventilation. Look for ridge vents, tile vents, eaves vents and continuous air gaps etc. making sure none are blocked. In older properties these vents may not be provided. However, there should be enough 'leakage' to accommodate the requirements of the homevent unit.

A useful way of checking such lofts is to close the hatch, switch off the lights and look for any daylight penetration. If you can see daylight it is reasonable to assume that the loft has ventilation.

There may be occasions where a loft is so well sealed that additional ventilation may have to be provided by the owner/ occupier. This will not only assist the operation of the homevent, but will help prevent possible expensive structural damage caused by inadequate air movement in the loft itself. It should be noted that there cannot be too much ventilation into the loft.

Ensure that all water tanks are covered and sealed.

Check that all water pipes are lagged.

Ensure that any extract fans are discharging to outside and not into the loft.

Check that the loft hatch is tightly sealed.

Ensure that all holes in the ceilings are sealed i.e. ceiling light fittings etc.

A visual inspection of any flues or chimneys for leakage in the loft should be carried out by the installer.

If any leakage points are found, or if there is any doubt at all, then the installer should advise the house owner/ provider as soon as possible and seek instruction from them before proceeding with the installation.

Condensation...its causes and effects.

Water is deposited on the cooler surfaces in a building, particularly in winter. The first indication is usually black mould growth in the worst affected areas. This growth is characteristic of condensation because mould need pure water for their growth and development. In severe cases the amount of water may be great causing pools of water on the floor, windowsills or on clothing and furniture.

Householders often find it difficult to believe that such severe damp problems can be caused by condensation alone. Often they believe there must be some sort of building defect which is usually not the case.

Often the condensation can occur at low levels where the surface of the wall is coolest, starting in a corner and then spreading along the length of the wall. This may appear to be rising damp and can easily be confused.

Features

- Input rate
55 litres/sec fast speed,
44 litres/ sec slow speed
- Can be loft mounted
- Includes heater
- British made
- 2 year no quibble guarantee
- CE

Why has condensation become such a common cause of damp?

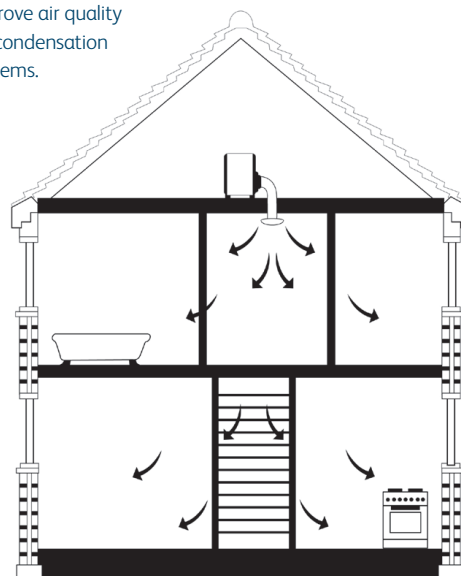
If the water vapour in the air of a home can escape somewhere, condensation would never occur. When homes were more draughty and open fires common, damp air would mainly escape up the chimney. Houses are now significantly better insulated hence the moisture has nowhere to go and hence condensation problems have grown significantly.

Mould growth

Mould growth is a typical consequence of condensation problems in a home. Moulds are often most severe in room corners and on external walls. This is mainly because insufficient ventilation creates pockets of stagnant air in such corners.

Applications

Sited in the loft space the Homevent with Heater delivers air to the central hallway or landing to provide displacement ventilation in order to improve air quality and resolve condensation related problems.



Data

SPECIFICATION - M2000 / S2000NI / M2000NI FOR HOMES WITH LOFTS								
Supply rate (full/trickle)	Supply voltage	Max wattage	Noise level (full speed)	Warranty	Colour	Self-cleaning sensor	Speed options	Max pressure
55ls/44ls	220/230v 50Hz	30 slow 70 fast	25dBA	2 year RTB	Grey	Yes	2 speed auto	50 p.a.
S2000 Low Wattage FOR HOMES WITH LOFTS								
55ls/44ls	220/230v 50Hz	6 slow 27 fast	25dBA	2 year RTB	Grey	No	2 speed manual	50 p.a.
SPECIFICATION - S3000 Low Wattage FOR HOMES WITHOUT LOFTS								
55ls/44ls	220/230v 50Hz	3 slow 13 fast	20dBA	2 year RTB	Grey	No	2 speed manual	50 p.a.

Technical Data

Loft mounted models for properties with lofts	
Catalogue No.	Type
Homevent	Low Wattage with 2-speed manually-operated switch.
	Continuous trickle speed with summer / winter temperature cut-out.
	Humidity control - continuous trickle speed and will run in fast speed when humidity rises over the pre-set level of 65 % RH. Humidity level detected using remote humidity sensor. (1no supplied with the unit)
Cupboard mounted model for properties without lofts	
Catalogue No.	Type
Homevent	Low Wattage with 2-speed manually-operated switch.
Data	
Construction	These units are made in leather-coated steel for strength, durability and finish.
Electrical	220-230V ~ A.C. 50Hz Single phase consuming max 70 watts for the M2000, S2000NI and M2000NI, max 27 watts for the S2000 LW and max 13 watts for the S3000 LW. These units require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted.
Motor	Single phase induction motor with pre-oiled ball-bearings fitted for a long maintenance free life and protected by a thermal fuse.
Guarantee	Two year no quibble guarantee.
Installation	The fans are designed to be loft or cupboard mounted. The inlet grille must be mounted at least 1m from any smoke detectors but full installation and operating instructions are provided with each unit.
Performance	S 2000LW /M 2000 /S 3000LW - supply rate of 44 litres/sec on slow speed and 55 l/s on fast.
Additional Data	<ul style="list-style-type: none"> Fan speed: 2400 r.p.m. Sound volume: 25.0 dB(A) Maximum operating temperature 40°C. Positive pressure units are not included in the 2006 edition of the Building Regulations as a means to satisfying Building Regs.

DO YOU KNOW WHAT'S GOING ON IN YOUR HOME?



The typical household creates around 100 pints per week - from showers, baths, cooking etc.



From every day household furnishings, building products etc.



From tobacco products, exhaust gases etc.



From furniture, carpets, bedding etc.

= Poor Air Quality = Condensation, Damp & Mould

TO UNDERSTAND THE SOLUTIONS TO CONDENSATION, DAMP AND MOULD,
-THE CAUSES HAVE TO BE IDENTIFIED

twistfix[®]

222 Regent St, London W1B 5TR. United Kingdom.
Peter House, Oxford Street, Manchester M1 5AN
Alexandra House, The Sweepstakes, Ballsbridge, Dublin 4.

Technical advice line: 0845 123 6006 Telephone sales line: 0845 123 6007
Email: sales@twistfix.co.uk
www.twistfix.co.uk