

damp**pro**

ELIMINATE
CONDENSATION & MOULD
PROBLEMS
IN THE HOME



INTRODUCING... THE DAMP PRO

The Damp Pro Unit is a sophisticated whole house ventilation and condensation control unit for homes with a loft space. The unit gently ventilates the home from a central position on the landing in a house or the central hallway in a bungalow to **transform a stagnant and stale atmosphere into a fresh, healthy and condensation free environment.**





Did you know?

In a property of 4 people, each will contribute approximately 4 pints of moisture per day through breathing, showers, baths, boiling kettles, cooking etc. This adds up to well over 100 pints of water vapour per week - a huge volume of moisture, which must go somewhere.



THE HEALTH BENEFITS

With improved building features in our homes, such as cavity wall insulation, double glazing and draught proofing, 'natural ventilation' is prohibited. Stale air is trapped causing streaming windows, which ultimately leads to musty smells, dampness and mould growth. **These mould spores are known allergens** and become airborne at the slightest disturbance.

The microscopic spores are then inhaled and **can trigger respiratory problems such as asthma, dust allergies and hayfever.** The Damp Pro Unit draws fresh air into the dwelling from outside and filters it before being delivered into the property. Moisture-laden air is diluted, displaced and replaced with clean, tempered and filtered air. This eliminates or reduces surface condensation, which causes mould growth, providing a significant improvement in the health of asthma sufferers and general indoor air quality.

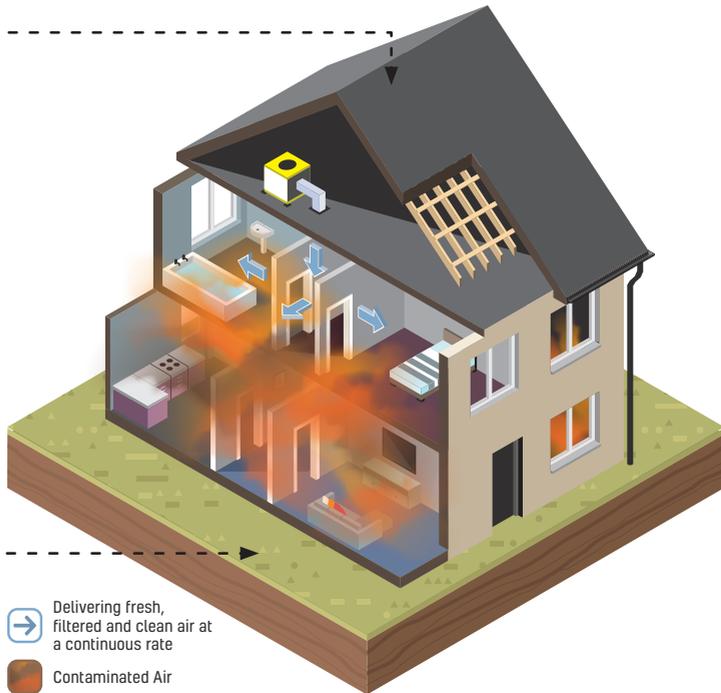


HOW DOES IT WORK?

PHASE 1

Phase One

Shortly after the unit is installed the unit gently ventilates the home with fresh, filtered air. Air is pushed back down into the house and redistributed. Humidity starts to be diluted and replaced.



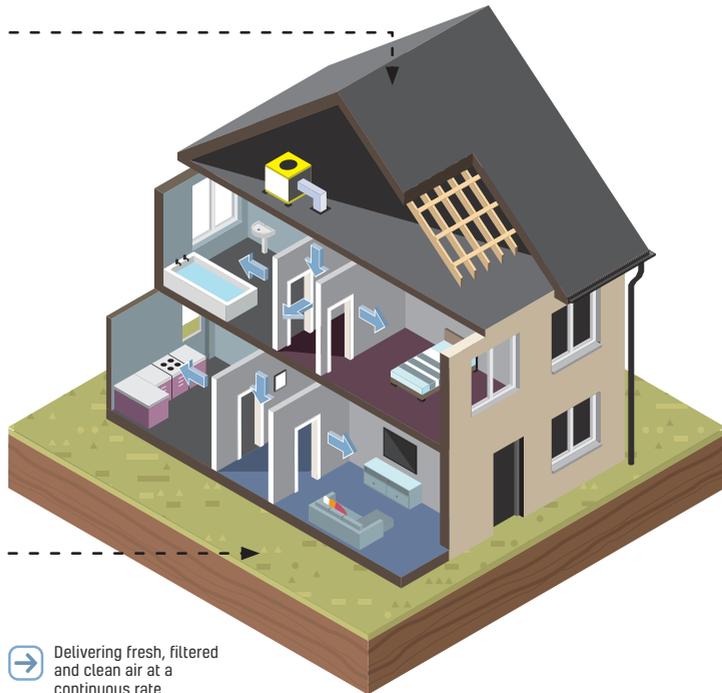
Relative humidity is still **between 75-95%**

HOW DOES IT WORK?

PHASE 2

Phase Two

Anytime from 48 - 72 hours later the air in the home will start to feel cleaner and fresher. The air from the unit transforms a stagnant, stale atmosphere into a fresh, healthy and condensation free environment.



Relative humidity is now **between 45-55%**

➔ Delivering fresh, filtered and clean air at a continuous rate

THE FEATURES & BENEFITS

The Benefits

- ◊ Reduces/eliminates surface condensation
- ◊ Eliminates mould
- ◊ Stops streaming windows
- ◊ Removes musty odours
- ◊ Improves air quality
- ◊ Enhances heat distribution
- ◊ Takes advantage of the benefits of solar gain
- ◊ Benefits asthma sufferers
- ◊ No need to open windows



The Features

- ◊ Superior long life filters
- ◊ Ultra Low Watt DC motor technology
- ◊ Integral Hours Run Meter [STANDARD]
- ◊ Integral intelligent comfort heater [OPTIONAL]
- ◊ 5 year warranty
- ◊ Quiet operation



Energy Saving Benefits

Minimum Energy Consumption

Powered by an Ultra Low Watt Brushless DC Motor, the Damp Pro utilises the latest technology to ensure minimum energy consumption and long term trouble free life.

Solar Gain

The unit takes maximum advantage of the benefits of solar gain from within the loft space - the natural accumulation of heat from the sun on bright days. Temperatures in the loft space are on average 3°C higher than outside, which results in a relative saving of around 150 Watts per day in an average modern family home. This equates to approximately 10% of annual heating costs.

Heat Distribution

Warm air accumulates at ceiling level. This air can be up to 7°C higher than the air at ground level. By introducing an almost imperceptible air supply into the dwelling from the loft space, the Damp Pro Unit helps to redistribute heat around the home and thus reduce space heating costs.

No Need to Open Windows

To reduce humidity and condensation during the heating season, significant energy loss occurs by opening windows. By installing a Damp Pro and providing fresh filtered air to the home, humid air is displaced without opening windows and thus making significant savings to the occupier.

Order Codes

CODES	Description
DP-EVL	Standard Model
DP-EVL-H	Heater Version



DAMP PRO

TECHNICAL SPECIFICATION

Applications

Sited in a loft space, the unit delivers air to the central hallway or landing via a four-way diffuser with purpose made blanking plates to maximise efficiency of airflow and aid in heat recovery from ceiling level. This provides displacement ventilation in order to improve air quality and resolve condensation related problems.

Performance & Sound Levels (as installed)

Incoming Air Temp. [°C]	Fan Speed Setting	Specific Fan Power [SFP]	Airflow [l/s]	Power Usage [W] (3)	Outlet Noise dB(A) @3m
<19 (1) (2)	1	0.14	22	3	<15
	2	0.14	29	4	<15
	3	0.15	35	5	<15
	4	0.18	43	8	15

1. The unit performs in 'condensation control mode' at air temperatures below 19°C
2. At above 19°C the unit increases airflow rates per setting by 10%
3. Power usage with heater disabled

Construction

ABS plastic to contain at least 50% recycled material.

Motor

Incorporates the Ultra Low Watt DC motor technology with sealed for life ball bearings designed to operate continuously at a pre-set 'background' rate.

Fan

Is a 140 x 220mm centre mounted forward curved centrifugal fan.

Filter

Is a synthetic fibre based filter mat to ISO coarse standard in accordance with ISO 16890 standard ratings, conforming to all European Union and US fire classification standards [e.g. DIN 53438-F1 and UL900-class 2] and be self-extinguishing.

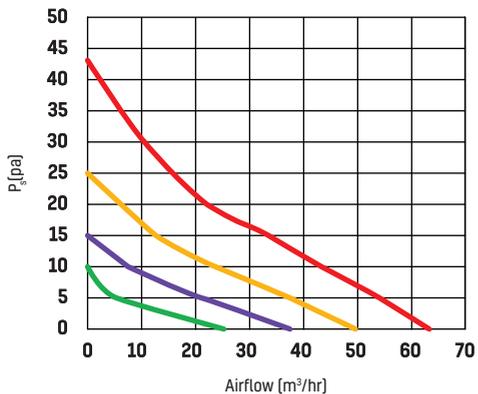
Servicing/Maintenance

Achieved by exchanging filters and consumable items. There should be no requirement for any maintenance within the five year period.

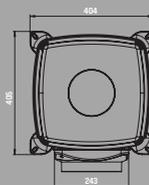
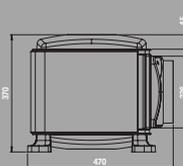
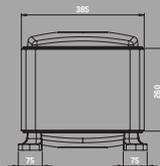
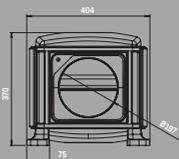
Integral 'Intelligent Low Temperature' Comfort Heater

Powered by a single supply and capable of holding incoming air temperatures accurately - around 10°C. The integral heater element is manufactured in a solid tubular sheath material and not in open wire format.

Performance Curve



Dimensions (mm)



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