

ATMOS® for Flats & Apartments

Whole House Positive Input Ventilation Unit



About ATMOS®

The ATMOS® Wall Unit is an energy efficient condensation-control unit for flats and apartments.

It introduces fresh, filtered air throughout the living space to transform a stagnant and stale atmosphere into a fresh, healthy and condensation free environment.

Features & Benefits

- | Reduces/eliminates surface condensation
- | Quiet operation
- | Eliminates mould
- | Stops streaming windows
- | Removes musty odours
- | Improves air quality
- | Can reduce heating costs
- | Benefits asthma sufferers
- | BBA approved
- | Expert fitting staff
- | Low running costs
- | Integral intelligent comfort heater (as standard)
- | Ultra Low Watt DC motor technology
- | 5 year guarantee

Energy Saving Benefits

✓ Minimum Energy Consumption

Powered by an Ultra Low Watt Brushless Motor, the ATMOS® Wall Unit utilises the latest technology to ensure minimum energy consumption and long term trouble free life.

✓ Heat Distribution

Warm air accumulates at ceiling level. This air can be up to 7°C higher than the internal air at ground level. By introducing an almost imperceptible air supply into the dwelling, the EnviroVent ATMOS® Wall 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 an ATMOS® Wall Unit and providing fresh filtered air into the home, humid air is displaced without the need to open any windows, thus making significant savings to the occupier.



Annual Running Costs

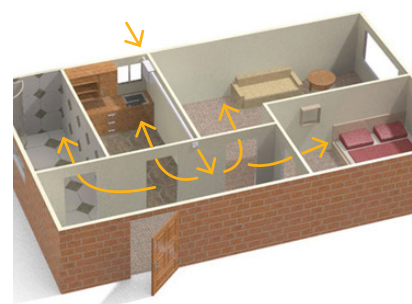
Annual running cost with heater DISABLED. All costs are based on an electricity cost of £0.15 per unit (kWh). These calculations must be used as a guide only. Below are comparisons against other household appliances

Settings

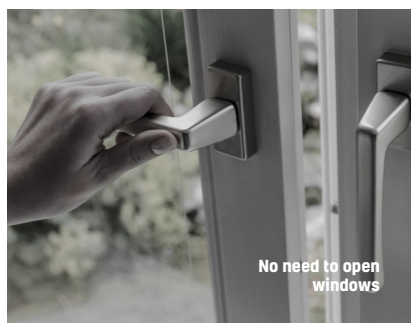
TRICKLE	MEDIUM
£4.47	£5.00

Comparisons against other household appliances

HOUSEHOLD APPLIANCE	TIME REQUIRED TO CONSUME £5.85 OF ELECTRICITY
FRIDGE FREEZER	17 DAYS
42" TV (VIEWING TIME)	17 DAYS
100W LIGHT BULB	12.5 DAYS
HOME PC	4 DAYS
GAMES CONSOLE	4 DAYS
IRON	41 HOURS
TUMBLE DRYER	17 HOURS
COLD FILL DISHWASHER	15 LOADS



ATMOS® For Flats & Apartments circulates fresh, filtered air throughout the property and transforms the stagnant and stale atmosphere into a fresh, healthy and condensation free environment.



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 ATMOS® Wall 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.



Environmentally Friendly

With 5 year on-going maintenance free warranties and superior long life filters the unit achieves the lowest life-cycle costing. All other component replacement is carried out simply and quickly by exchanging the consumable items. The worn out components are then taken back to the factory to be recycled thus reducing the impact on landfill and saving millions of pounds in replacement costs.



Pre-Heater and Hours Run Meter

The integral pre-heater is designed to temper the incoming air during periods of low external temperatures. A sensor monitors incoming air and pulses the heater to ensure temperatures are held to pre-set minimums. Two independent safety cut-out devices shut down the heater in the event of fan failure. The heater facility is controlled independently from the fan by a conveniently positioned enable/disable switch. For monitoring of operational life and verification of usage, an integral Hours Run Meter is fitted.



Technical Information

ATMOS® For Flats & Apartments	ATMOS® For Flats & Apartments
BELOW 19°C the unit performs normally to reduce condensation from the home	ABOVE 19°C the unit performs normally to reduce condensation from the home
Maximum Airflow l/s (m³/h) 20 (72)	Maximum Airflow l/s (m³/h) 23 (83)
Maximum Power (W) 6.1	Maximum Power (W) 7.4
Sound Levels dB(A) @ 3m 20.3	Sound Levels dB(A) @ 3m -
Speed Settings 4	Speed Settings 4

Technical Specification

Applications - Sited on a suitable wall, the unit continuously delivers filtered air to the central hallway to provide displacement ventilation in order to improve indoor air quality and resolve condensation related problems.

Motor - The unit shall incorporate an ultra-low energy DC motor with sealed for life ball bearings designed to operate continuously at a pre-set 'background' rate.

Filter - Shall be a low maintenance reticulated (open cell) polyurethane foam material, flame retardant to the specification FMVSS 302.

Servicing / Maintenance - Achieved by removal/exchange/replacement of filters, 18 to 24 months recommended. The system is constructed from durable materials and there should be no requirement for a general service within a 5 year period.

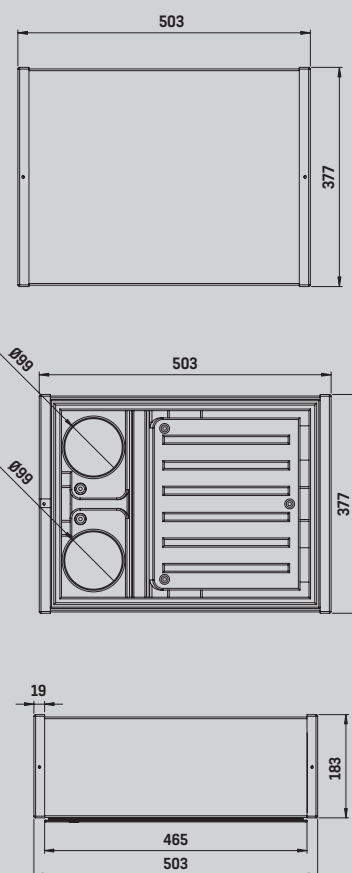
Standard Functions - Integral 'Intelligent Low Temperature' comfort heater. Designed to temper the air during periods of low external temperatures.

Controls - Continuous running input unit with integrated push button speed settings and hours run meter. Auto heater on/off switch.

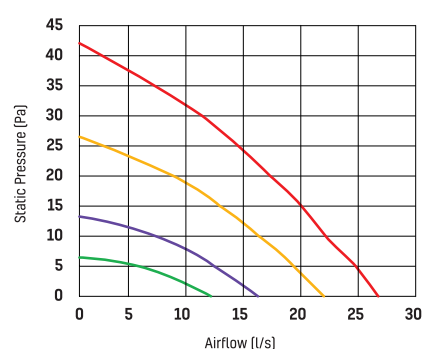


Dimensions (mm)

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Performance Curve



Performance curve results are based on the unit running below 19°C and exclude ancillaries.