

NEW

BROOKVENT[™]
aircycle 
ONE

SINGLE ROOM HEAT RECOVERY



IMPROVE INDOOR AIR QUALITY

EC EC
MOTOR

 **HEALTHY**
IAQ

2 YEAR
WARRANTY

Retrofit 

aircycle ONE

KEY FEATURES

BROOKVENT aircycle ONE is a continuous running, low energy, ultra-quiet, alternate flow supply and extract fan with heat recovery for use in habitable areas such as living rooms, bedrooms, dining rooms, basements and hallways.

- ULTRA QUIET
- VERY LOW RUNNING COSTS
- HEAT RECOVERY
- PREVENT CONDENSATION AND MOULD
- REMOVAL OF INDOOR POLLUTANTS
- EASY MAINTENANCE

- **Extremely low power consumption costs** around GBP 5 a year to run for continuous operation on low speed.
- **Energy efficient Integral Regenerative Heat Exchanger** with up to 82% efficiency.
- **Unique design winglet-type impeller**, providing enhanced aerodynamic properties, low noise and increased efficiency.
- **Aesthetic flat front cover for modern interior design**, easily removable for cleaning without the need of tools.
- Each model comes with **3 different airflow settings**.
- **IPX4 protection**.
- **Optional user controller** which can control up to 10 units allowing selection of off/ speed 1/speed 2/speed 3/extract or supply only.

APPLICATION

Ideal solution in case of renovation.

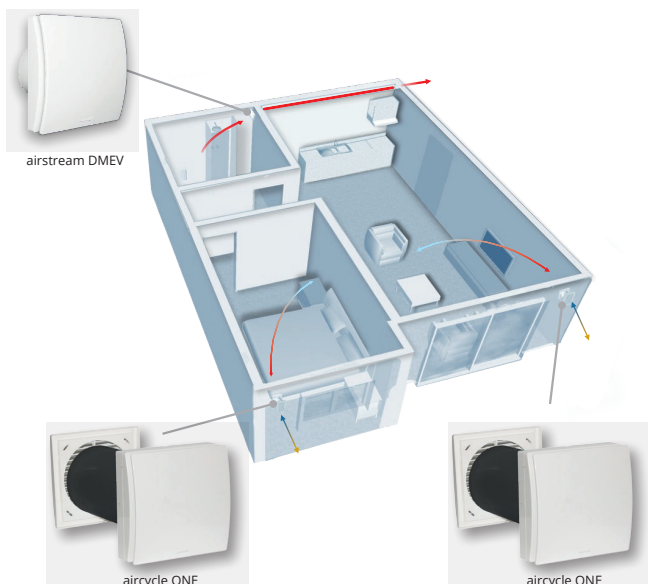
How it works: the continuous running decentralised heat recovery units (aircycle ONE) transfer thermal energy from air extracted from indoor rooms to incoming fresh air. Two units can work synchronised with balanced air flows and top acoustic comfort. The system can also include a single flow decentralised unit mounted in the wet room. No air distribution system is needed.

Energy saving: the preheated supplied fresh air and continuous air changes reduce the demand for additional heating. Aircycle ONE and airstream DMEV are equipped with EC brushless motors which significantly reduce the electricity consumption.

Indoor Air Quality: a correctly specified mechanical ventilation system can ensure the quality of the indoor air is constantly maintained for the health and well-being of the occupants as well as of the building. Duly maintained filters on aircycle ONE ensure that incoming air is suitably filtered before it enters the home.

OPERATION

- Every 70 seconds the unit alternates between supply and extract fan modes.
- When in extract mode the unit's high efficiency ceramic heat exchanger collects and retains heat from the extracted air. The majority of this heat is then transferred to the incoming air during supply mode.
- This method of operation avoids the short circuiting of air that can often happen with conventional single room heat recovery units, resulting in much more effective room ventilation.
- Units can also be set to work in harmony with each other e.g. when a unit in one room is extracting air another unit in another room can be set to supply air. This can greatly enhance cross ventilation and ventilation effectiveness in a home



VERSIONS

aircycle ONE 100mm
aircycle ONE 150mm

Product Code: AF 90-CYC-ONE-100
Product Code: AF 90-CYC-ONE-150



PERFORMANCE DATA

| Model | Airflow L/s | Power W max | Sound Pressure dB(A) @ 3m |
|---------|-------------|-----------------|---------------------------|
| ONE 100 | 3 / 4 / 7 | 1.2 / 1.7 / 2.6 | 10 / 15 / 29 |
| ONE 150 | 6 / 11 / 17 | 1.4 / 2.3 / 3.8 | 10 / 18 / 26 |

220-240V, 50Hz. Air performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 kg/m³. Sound pressure level at 3m in free field.

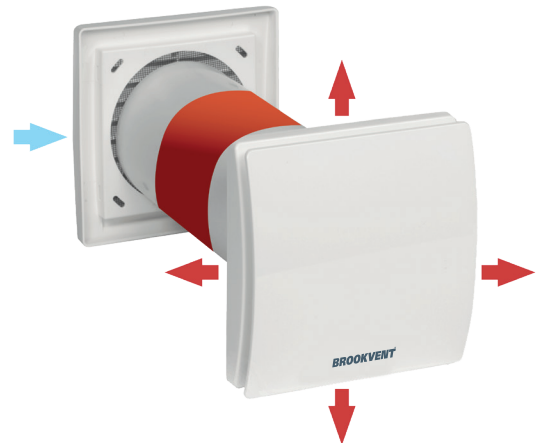
HEAT RETENTION

Unit on extraction and heat retention mode

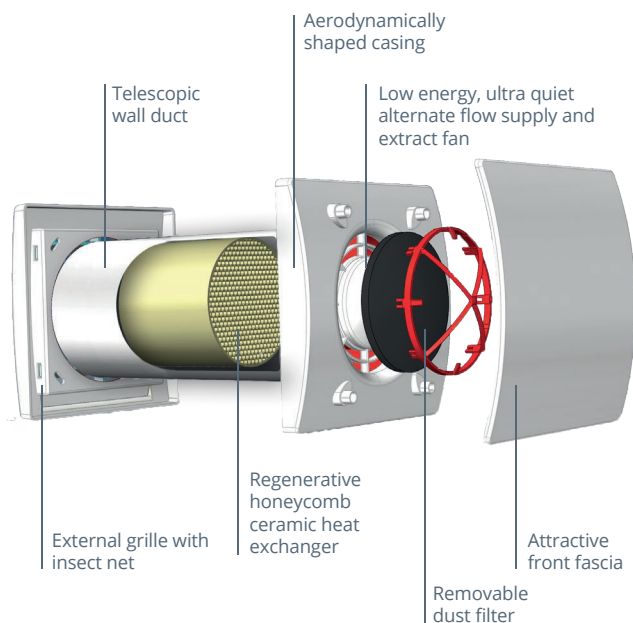


HEAT TRANSFER

Unit on supply and heat transfer mode

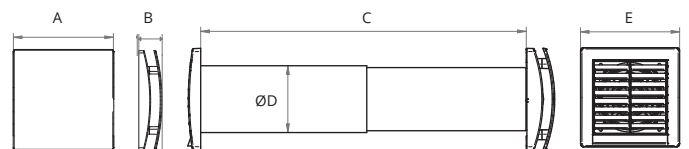


DESCRIPTION



DIMENSIONS [mm]

| Model | A | B | C | D | E |
|---------|-----|----|---------|-----|-----|
| ONE 100 | 164 | 46 | 300-570 | 110 | 164 |
| ONE 150 | 218 | 51 | 300-570 | 159 | 218 |



CONTROLS

Optional user controller to operate up to 10 units.
AF 90-AIR-CTR-FM Air Flush Mounted Controller
AF 90-AIR-CTR-SM Air Surface Mounted Controller



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