

NEW

**BROOKVENT**  
**aircycle**<sup>TM</sup>  
ONE+

# SINGLE ROOM HEAT RECOVERY WITH REMOTE CONTROLLER



IMPROVE INDOOR AIR QUALITY

**EC** EC MOTOR

 **HEALTHY**  
IAQ

**2** YEAR WARRANTY

Retrofit 

## 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 **5 different airflow settings**.
- **IPX4 protection**.
- **Multifunction remote controller** with LCD display to visualise the status of the unit.
- **Warranty:** Each aircycle ONE+ has a 2 year warranty as standard.

## APPLICATION

**Ideal solution** in case of renovation.

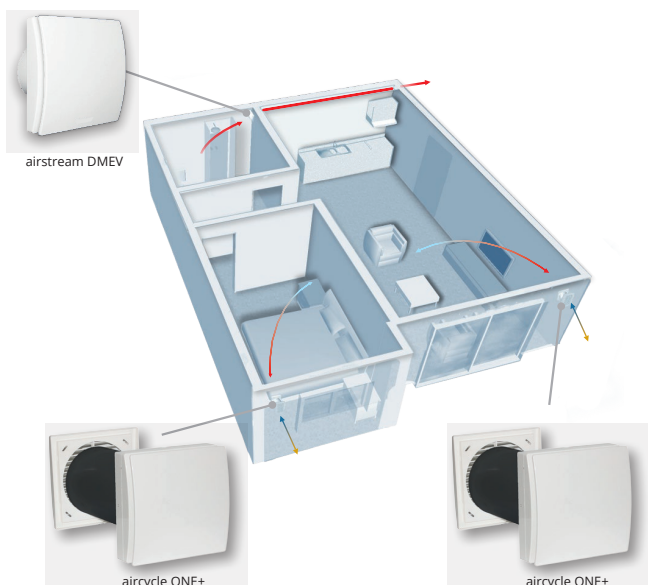
**How it works:** the continuous running decentralised heat recovery units (aircycle ONE+) transfer thermal energy from air extracted from indoor rooms to incoming fresh air. Two units can work synchronised with balanced air flows and top acoustic comfort and can be controlled through the same IR controller. The system can also include a single flow decentralised airstream DMEV 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

- The unit uses an inbuilt sensor to decide on the most efficient and silent method of alternating between supply and extract 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-ONEP-100  
Product Code: AF 90-CYC-ONEP-150



## PERFORMANCE DATA

Model	Airflow L/s	Power W max	Sound Pressure dB(A) @ 3m
ONE+ 100	3/4/5/6/8	2/2.2/2.5/3/3.5	9/14/18/23/27
ONE+ 150	6/8/11/14/17	2/2.5/3.5/4.5/6	10/14/20/24/29

220-240V, 50Hz. Air performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 kg/m<sup>3</sup>. Pressure sound level at 3m in free field.

## CONTROLS

An LCD screen remote with a mounting base included, allowing controlling up to 10 units.

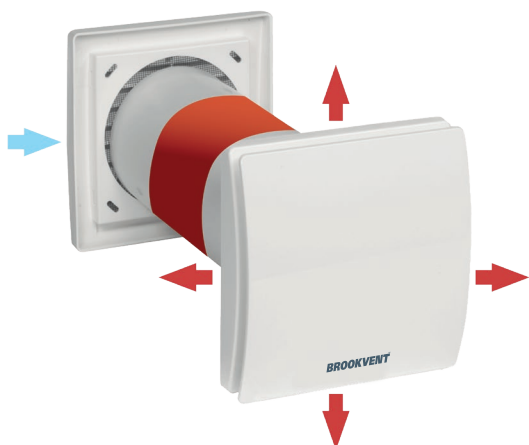
### Functionalities selectable via Remote control:

- Air flow directions (alternate, extract only, intake only)
- Free cooling mode
- Continuous speed (5 options)
- OFF position
- Boost speed
- Comfort / efficiency mode
- Filter reset



## HEAT RETENTION

Unit on extraction and heat retention mode

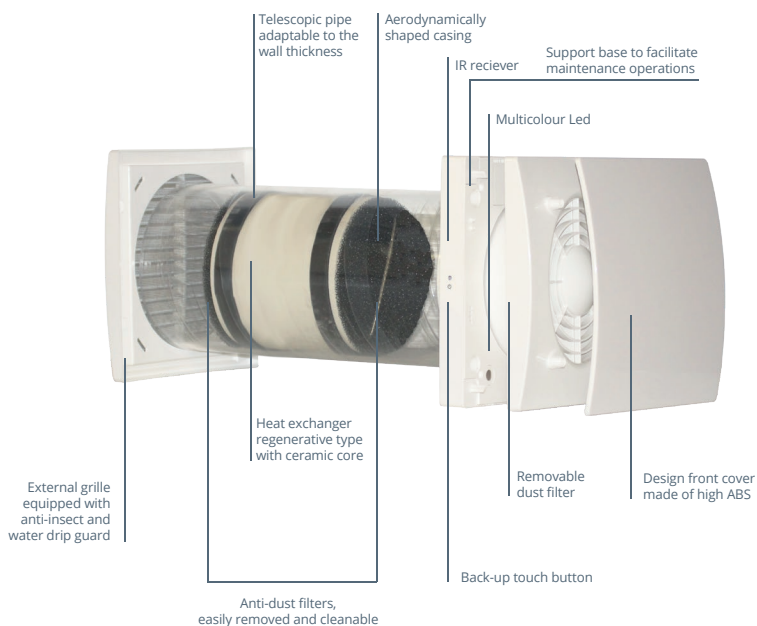


## HEAT TRANSFER

Unit on supply and heat transfer mode

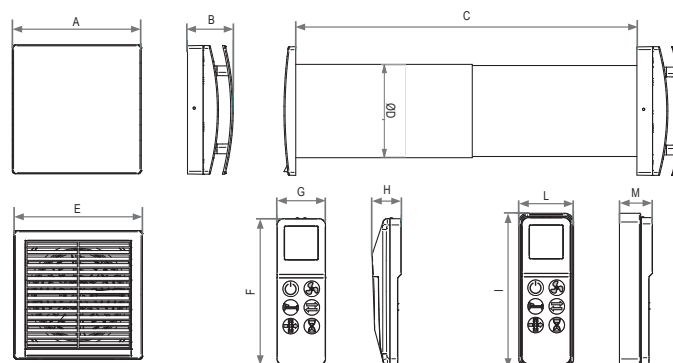


## DESCRIPTION



## DIMENSIONS [mm]

Model	A	B	C	ØD	E	F	G	H	I	L	M
ONE+ 100	218	77,5	300-570	110	164	117,5	39	23	124	44	26,5
ONE+ 150	218	77,5	300-570	159	218	117,5	39	23	124	44	26,5



## **BROOKVENT™**

**Brook House**  
Dunmurry Industrial Estate,  
City Business Park, Dunmurry,  
Belfast BT17 9HU  
T: +44 28 9061 6505  
F: +44 28 9061 6518

e-mail: [info@brookvent.co.uk](mailto:info@brookvent.co.uk)  
[brookvent.co.uk](http://brookvent.co.uk)

