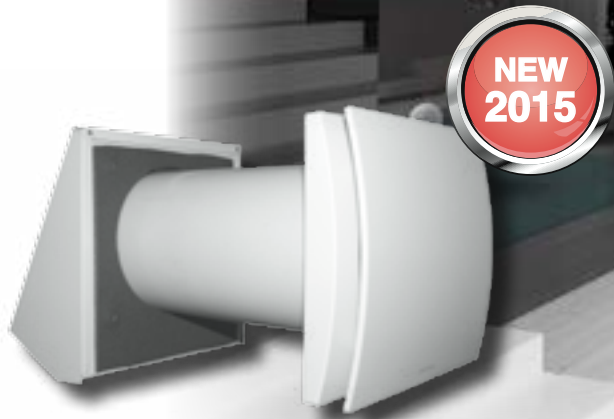


Quantum HR

DECENTRALISED
HEAT RECOVERY UNIT



APPLICATION

Decentralised Mechanical Ventilation unit, with alternate flow and heat recovery core, available in Ø100mm and Ø150mm: extremely low energy consumption.

For installation in single room such as living room and bedroom: for a better flow balancing two units are commonly used in parallel operation, having opposite and synchronised flows. Suitable for mounting on perimetral walls.

Ideal solution for removal of CO₂ or any other indoor volatile pollutants and to prevent condensation and mould problems which inevitably damage the building as well as the occupants' health.

SPECIFICATION

Casing made of high quality ABS providing long lasting shock-proof and robust construction. The unit are finished in white RAL 9010 and are UV resistant.

Anti-dust filter removable from inside by the tenant for maintenance.

High efficient reversible EC motor with integral thermal protection, mounted on sealed for life high quality ball bearings. Designed for continuous running.

Regenerative heat exchanger with ceramic core; high thermal efficiency (up to 90%).

Telescopic pipe adaptable to the wall thickness.

External fixed grille with anti-insect net.

FEATURES & BENEFITS

Aesthetic front flat cover for modern interior design, easily removed for cleaning without the need of tools.

Alternate flow with flow reversal approx. every 70 seconds.

Multi-speed: operation speed can be selected among 3 options. Boost can be activated by means of external switch or ambient sensors like SEN-HY or SEN-CO₂.

Free cooling (Bypass) with extract-only operation to prevent heat exchange when not requested. Integral led to indicate when the "free cooling" option is active.

Simplified synchronisation of the units.

Easy maintenance of the parts, heat exchanger included.

CTRL-S remote control panel on request, or controllable via any two pole switches. The CTRL-S can control two units and more.

Totally recyclable plastic components, environmentally friendly.

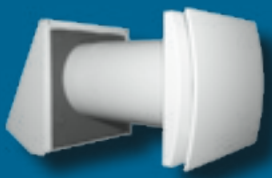
Double insulated: no earth connection is required.

Tested to the latest standards: units are tested in the TÜV Rheinland recognised laboratory at Aerauliqa, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

VERSIONS

Quantum HR PRO

The unit is supplied with an external hood made of weatherproof aluminium, with acoustic lining and anti-insect net.



Quantum HR

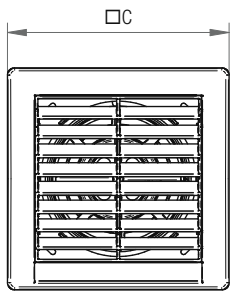
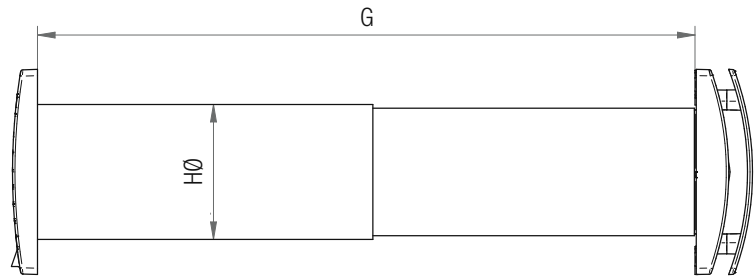
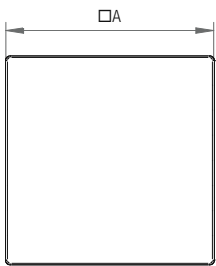
Performance

Model	Quantum HR 100	Quantum HR 150
Airflow	10/15/25	20/40/60
Power W	1,2/1,7/2,6	1,4/2,3/3,8
Sound Pressure dB(A) @3m	20/24/31	15/21/29
Ambient temperature °C max	50	50
Marking	CE	CE

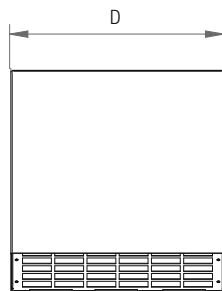


- rated 220-240 V ~ 50Hz
- air performance measured according to ISO 5801 at 230V 50Hz, air density 1,2 Kg/m³
- data measured in the TÜV Rheinland recognised laboratory in Aerauliga
- pressure sound level at 3m in free field

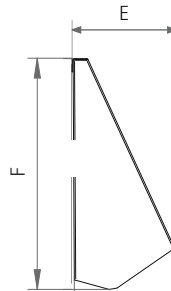
Dimensions (mm)



External grille
standard version

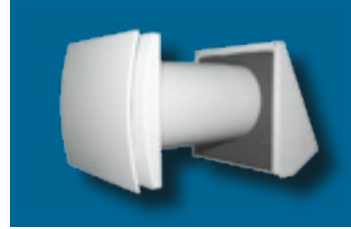


External hood, PRO version

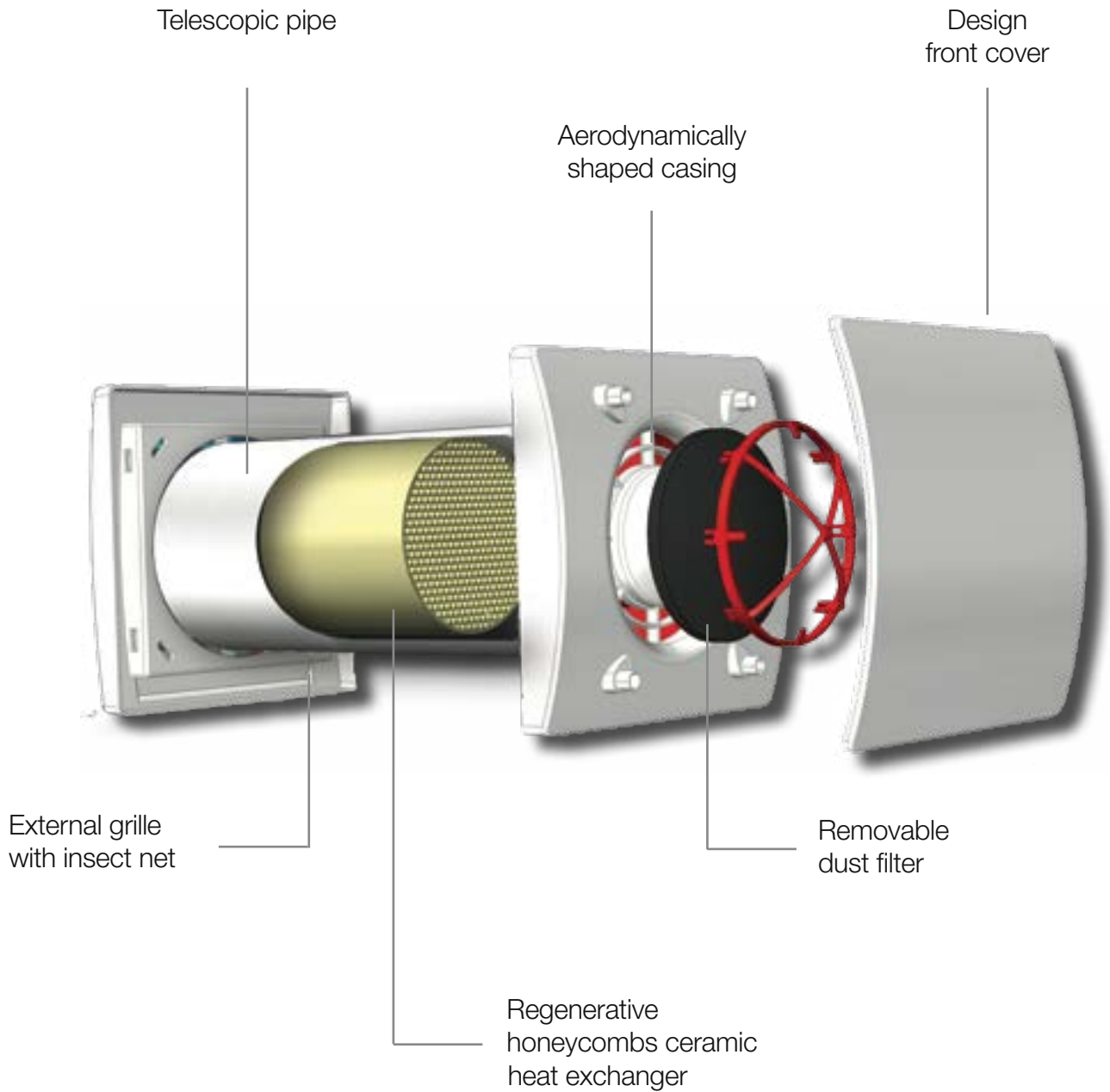


Model	Quantum HR 100	Quantum HR 150
A□	164	218
B	46	51
C□	164	218
D	205	252
E	103	114
F	209	262
G	270÷510	300÷560
H Ø	108	158

Quantum HR



Details



CTRL-S

Multi-speed remote controller to operate two or more units