Flow
ULTRA/ULTRA-R

*Ideal for HRV retrofit in living spaces and small offices*

FlowULTRA is the evolution of retrofit HRV with wall-mounted installation dictated by the need to **ensure proper air exchange in recently upgraded contexts,** while safeguarding the energy efficiency provided by the insulation of the building envelope. A continuous dual-flow ventilation unit designed to serve individual rooms, with **adjustable airflow rates between 15 and 120 m³/h.** Installed with two 100 mm coring holes, FlowULTRA is supplied as standard with a white ABS cover for a neat connection to the existing environment. A solution designed to **meet the needs for healthy air** in **medium-sized rooms**, small offices, professional offices, medical surgeries and open-plan spaces.

The continuous exchange action, combined with the very high air filtration capacity of the **ePM2.5 65% filter,** ensures a healthier and more comfortable environment, preventing particulates, smog, spores, pollen and allergens from entering from outside. Energy savings are guaranteed by the **heat recovery unit with efficiency of up to 88%**. Effective in preventing condensation and mould, FlowULTRA is also ideal for **application in basements and cellars.** The air pipes can be partially ducted using a special optional kit to maximise installation flexibility.

FlowULTRA-R, your ally against radon

The **FlowULTRA-R** version is designed to help **contain the radon risk by** effectively diluting the gas. This solution is particularly suitable for **retrofit applications in basements** and all high-risk contexts. **Available with CO$_2$ and VOC** sensors, the HRV unit can be managed remotely via the **Helty Home app** setting customised scenarios and exporting data history.
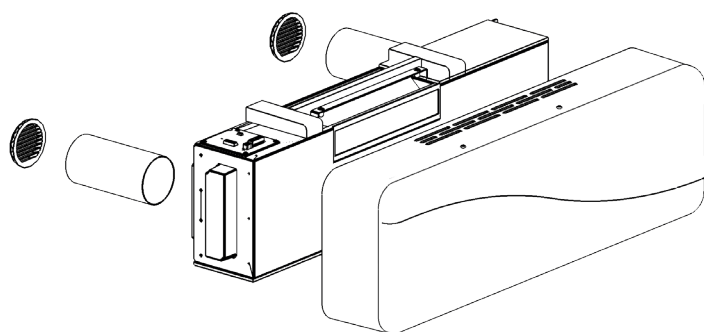
Sensors for automatic humidity, CO_2 and VOC management

It is easy to control it from anywhere in the room using the included infrared remote control.

88% — Heat recovery efficiency

19.5dB(A) — Sound pressure

120m³/h — Maximum airflow

ePM2.5 65% — Intake air filtration

-36.7kWh/m²a — SEC energy consumption (temperate climate)

Classe Energetica **A**

Technical data

Functions and features	UOM	FlowULTRA			
Version		STD	Plus	Elite	R ⊘
Night function		●	●	●	●
Hyperventilation		●	●	●	●
Filter replacement alert		●	●	●	●
Humidity sensor		–	●	●	–
CO_2 and VOC sensor		–	–	●	–
Radon scenario		–			●
Radon sensor [1]		–			optional
IR remote control		●	●	●	●
On/Off LED panel		●	●	●	●
Helty Home App		–	●	●	●
Control Panel		on-board			
Airflow rate	m³/h	13/30/45/60/80/120[2]			
Flow adjustment		night + 4 stages + hyperventilation			
Power consumption	W	3/6/9/13/23/55[2]			
Supply voltage	V AC	230			
Max. current consumption [3]	A	0.45			
Weight	kg	12			
Product dimensions (W x H x D)	mm	1000 x 320 x 180			
Coring holes	mm	2x Ø100			
Installation orientation		horizontal			
Heat exchanger		enthalpy with cross-flow countercurrent			
Heat recovery efficiency	%	88			
Bypass (free cooling/free heating)		manual electronic			
Sound power level [4]	dB(A)	31/36/43/48/55/63[2]			
Sound pressure [5]	dB(A)	19.5/24.5/31.5/36.5/43.5/51.5[2]			
Dn,e,w (facade noise abatement)	dB	45			
Intake filter		ePM2.5 65%			
Extraction filter		ISO Coarse 60%			
Modbus RTU rs485		Yes [6]			
Reference climate		cold / temperate / warm			
Energy efficiency class (cold / temperate / hot)		A+ / A / E			
SEC (cold / temperate / warm)	kWh/m²a	–74.5 / –39 / –16.1			
Leakage rate [7]		U2			
Sensitivity to pressure variations [7]		S1			
Internal/external air tightness [7]		N/A			
Kit		installation manual, user manual, installation template, HRV filter, 2 white external grills, 2 air ducts (Ø100, 500 mm), wall mounting kit, IR remote control with batteries			
Code		1VMC02011	1VMC02012	1VMC02013	1VMC02016

1. Cloud control panel connection required
2. In hyperventilation mode
3. With 230 V AC supply voltage
4. According to UNI 3744:2010
5. Measured in a 30 m² semi-anechoic environment at a distance of 3 m
6. The Cloud control panel functions are lost
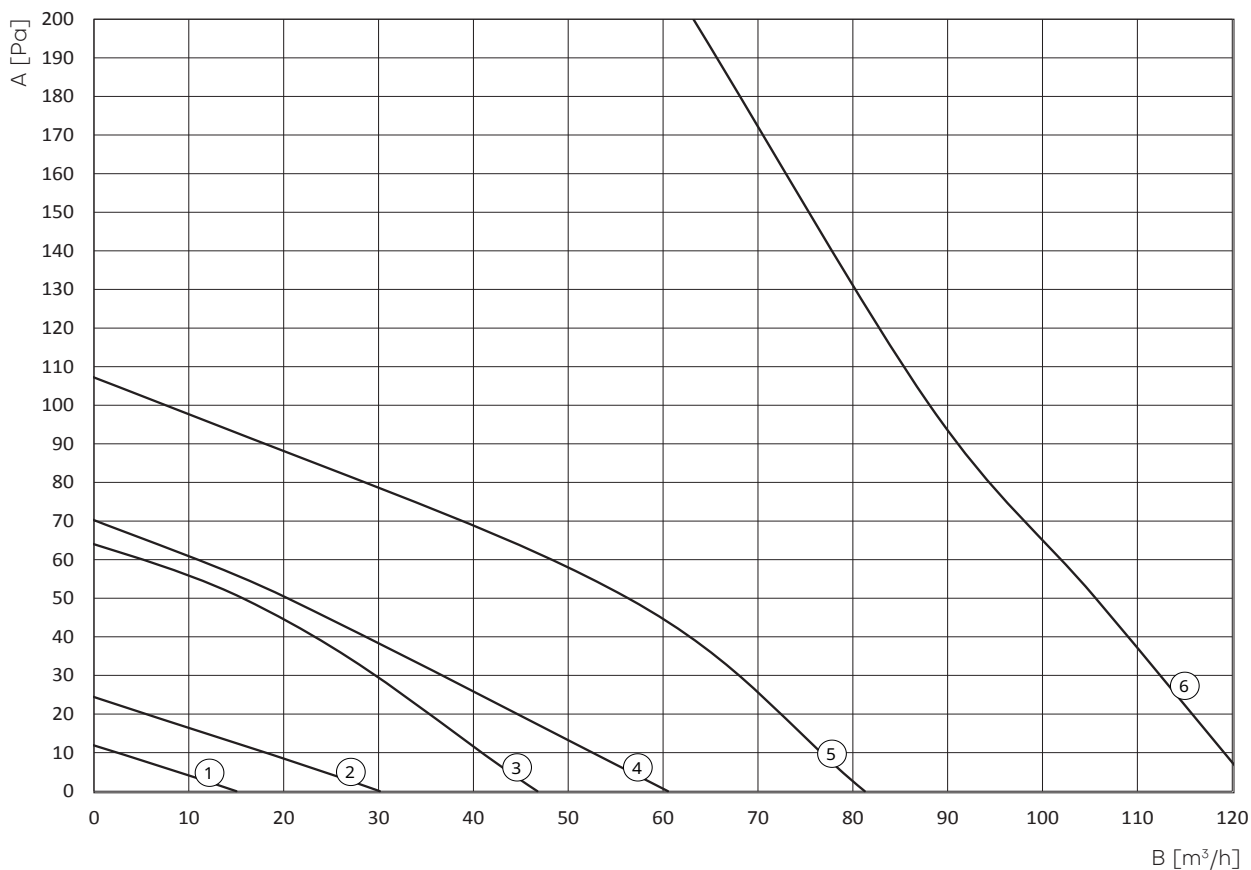7. In accordance with EN 13141-8:2014-09

Accessories and spare parts

Article	Type	Code
FlowULTRA template	Accessories	**4MKT00000868**
FlowULTRA tube adapter 120x60 mm	Accessories	**1VMC99135**
External grills Ø100 mm aluminium	Accessories	**4VMC00000762**
Tube L 500 mm + 2x grills Ø100 mm	Accessories	**1VMC99901**
IR remote control	Accessories	**4VMC00000900**
Radon monitor [1]	Accessories	**4VMC00000901**
CO_2 monitor [1]	Accessories	**4VMC00000902**
IAQ monitor [1]	Accessories	**4VMC00000903**
ePM2.5 65% + Coarse 60% Flow120 x5 filter	Filters	**1VMC06013**
ePM2.5 65% + Coarse 60% Flow120 x10 filter	Filters	**1VMC06012**
Coarse 60% Flow120 x5 filter	Filters	**1VMC06015**
Coarse 60% Flow120 x10 filter	Filters	**1VMC06014**
ePM1 80% Flow120 x5 filter	Filters	**1VMC06018**
ePM1 80% Flow120 x10 filter	Filters	**1VMC06019**

1. Cloud Control Panel required

Flow–head charts

A Head	**1** Super–minimum speed (night)	**3** Speed 2	**5** Speed 4
B Flow rate	**2** Speed 1	**4** Speed 3	**6** Hyperventilation

Dimensional drawings

180

320

1000
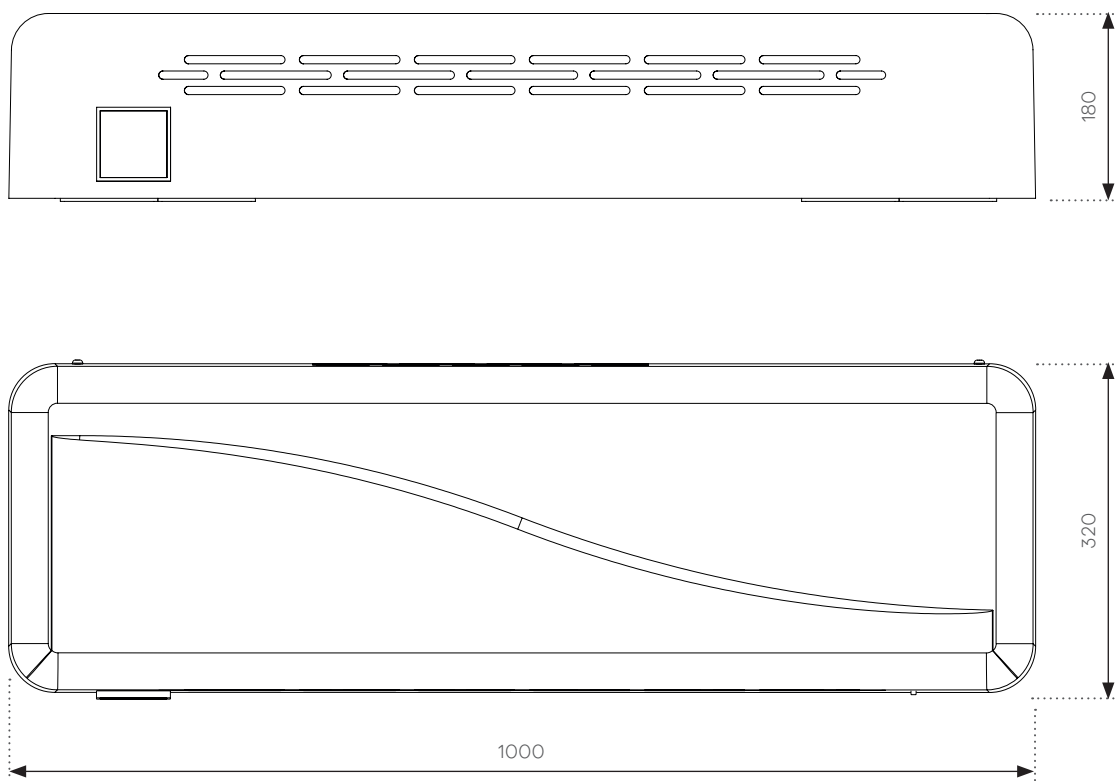
Recommended buffer zones

200

100

100

300