



Flow40

Zero footprint,
maximum comfort

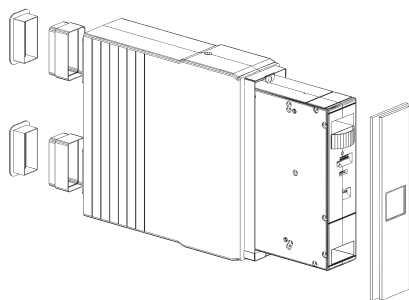
Helty Flow40 is a decentralised **solution recessed in the masonry**, ideal for new buildings and renovations and energy efficiency upgrades. The HRV makes itself invisible by combining excellent air exchange performance with a **zero footprint**: Flow40 does not require ducting or false ceilings and **only the cover**, available in metal or Plexiglas variant, is exposed. The wall-recessed system is housed in an **Expanded Polystyrene preparation setup, adaptable to walls of varying thickness**, which can be fitted during construction and completed with HRV units and covers even at a later date.

The HRV unit is equipped with an enthalpy heat exchanger with a recovery efficiency of 91%, and **dual ePM2.5 65% + Coarse 90% / Coarse 70% filters** that purify the air. Optionally, the **new ePM1 80%** activated charcoal filter stops PM1 particulates and prevents odours from entering. Equipped as standard with **humidity sensor** which automatically regulates ventilation depending on humidity levels and **electronic free cooling function** for passive cooling, Flow40 is also available with **window-side outlets**, even more invisible and discreet as the grills can be inserted inside the window jamb itself.

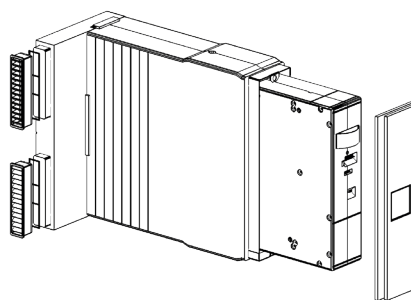


Sensor equipment
and control from the
app

The Pure Flow40 version is equipped with **sensors for detecting CO₂ and VOC** levels, which allow automatic adjustment of the airflow rate to balance indoor comfort conditions. It is also possible to control the ventilation units remotely via the **Helty Home app**, which allows the units to be monitored and programmed as required.



Flow40



Flow40 window-side outlet



Sensors for automatic humidity, CO₂ and VOC management



Zero footprint solution: completely recessed into the masonry.



91%

Heat recovery efficiency



15 dB(A)

Sound pressure



42 m³/h

Maximum airflow



**ISO Coarse 90%
+ ePM2.5 65%**

Intake air filtration



-37.9 kWh/m²a

SEC energy consumption (temperate climate)

Classe Energetica

A



HRV unit technical data

Functions and features	UOM	Flow40	
Version		STD	Pure
Night function		●	●
Hyperventilation		●	●
Filter replacement alert		●	●
Humidity sensor		●	●
CO ₂ and VOC sensor		–	●
IR remote control		optional	optional
On/Off LED panel		●	●
Removable control panel		optional	optional
Helty Home App		–	●
Control Panel		on-board	
Airflow rate	m ³ /h	10/17/26/37/42 ⁽¹⁾	
Flow adjustment		4 stages + hyperventilation	
Power consumption	W	3.6/5.5/9/17.5/20 ⁽²⁾	
Supply voltage	V AC	230	
Max. current consumption ⁽²⁾	A	0.17	
Weight	kg	4	
HRV unit dimensions (W x H x D)	mm	108 x 408 x 268	
Preparation setup dimensions (W x H x D)	mm	145 x 473 x 557	
Window-outlet preparation setup dimensions (W x H x D)	mm	270 x 473 x 572	
Installation orientation		horizontal and vertical	
Heat exchanger		enthalpy with cross-flow countercurrent	
Heat recovery efficiency	%	91	
Bypass (free cooling/free heating)		manual electronic	
Sound power level ⁽³⁾	dB(A)	26.5/32.4/37.8/46	
Sound pressure ⁽⁴⁾	dB(A)	15/20.9/26.3/34.5	
Dn,e,w (facade noise abatement)	dB	45	
Intake filter		ISO Coarse 90% + ePM2.5 65%	
Extraction filter		ISO Coarse 70%	
Modbus RTU rs485		Yes ⁽⁵⁾	
Reference climate		cold / temperate / warm	
Energy efficiency class (cold / temperate / hot)		A+ / A / E	
SEC (cold / temperate / warm)	kWh/m ² a	-74.1 / -37.9 / -14.6	
Leakage rate ⁽⁶⁾		U1	
Sensitivity to pressure variations ⁽⁶⁾		S1	
Internal/external air tightness ⁽⁶⁾		N/A	
Kit		installation manual, user manual, power supply unit, control panel, connection cable, airtight gasket	
Code		1VMC02005	1VMC02006

1. In hyperventilation mode

2. With 230 V AC supply voltage

3. According to UNI 3744:2010

4. Measured in a 30 m² semi-anechoic environment at a distance of 3 m

5. The Cloud control panel functions are lost

6. In accordance with EN 13141-8:2014-09

Accessories and spare parts

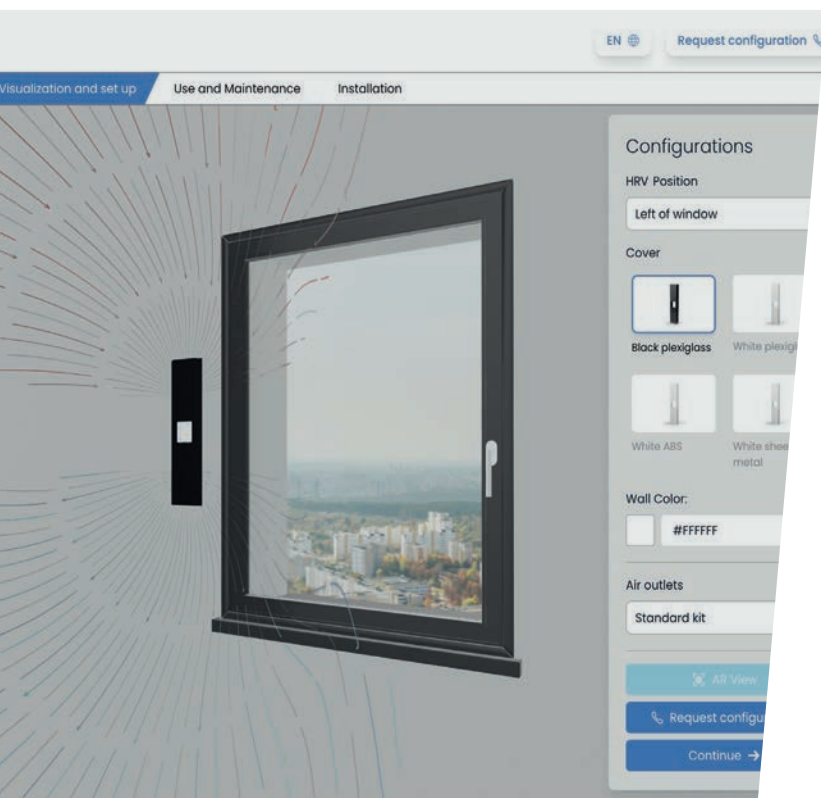
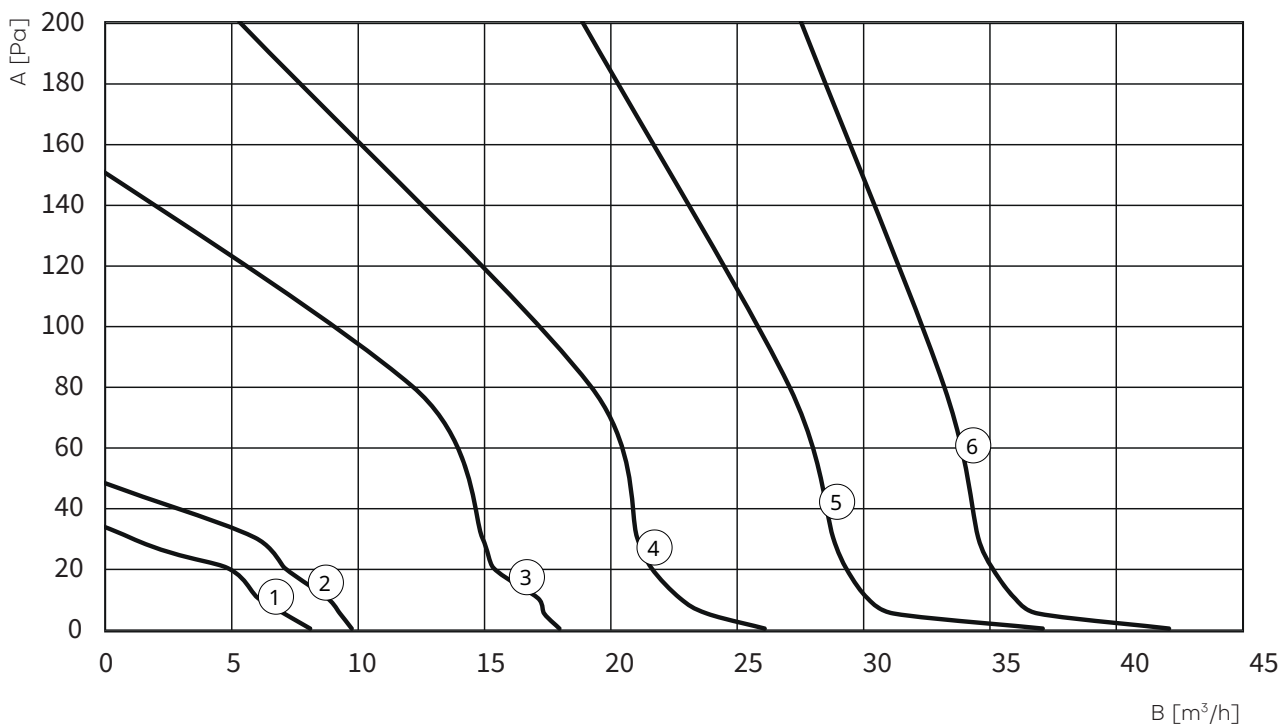
Article	Type	Code
Flow40 PMMA black cover	Accessories	1VMC99002
Flow40 PMMA white cover	Accessories	1VMC99001
Flow40 sheet metal cover	Accessories	1VMC99000
Flow40 ABS cover	Accessories	1VMC99077
Flow40 preparation setup	Preparation setups	1VMC03002
Flow40 insulation preparation setup	Accessories	1VMC99059
Tube 120x60 mm L 370 mm x2	Accessories	1VMC99054
Tube adapter 120x60 mm Ø100 mm x2	Accessories	1VMC99115
Grill adapter Ø100 mm 120x60 mm	Accessories	1VMC99058
External grills 120x60 mm	Spare parts	1PVCVMC00009
Slim exterior grills + mesh	Spare parts	1VMC00000237
Vertical external grills + hood 120x60 mm	Accessories	1VMC99127
Horizontal external grills + hood 120x60 mm	Accessories	1VMC99128
Facade outlet + slim exterior grills	Accessories	1VMC99070
Window-side outlet + slim external grills	Accessories	1VMC99072
Flow40 protection panel	Spare parts	1VMC99063
IR remote control	Accessories	4VMC00000900
STD flush-mounted control panel + 5 m cable	Accessories	1VMC06006
Cloud recessed control panel + 5 m cable	Accessories	1VMC06011
External control panel box 503	Accessories	1VMC99078
CO ₂ monitor ⁽¹⁾	Accessories	4VMC00000902
IAQ monitor ⁽¹⁾	Accessories	4VMC00000903
ePM1 80% + Coarse 70% Flow40 x10 filter	Filters	1VMC99772
ePM1 80% + Coarse 70% Flow40 x30 filter	Filters	1VMC99773
ePM2.5 65% + Coarse 70% Flow40 x10 filter	Filters	2VMC00000098
ePM2.5 65% + Coarse 70% Flow40 x30 filter	Filters	2VMC00000092

1. Cloud Control Panel required

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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 |



Experience and 3D Configurator

Would you like to learn more about the Hely Flow40 wall-recessed HRV and how it can be integrated into your project? Do you need to know in which positions it can be installed and which configurations are available for ventilation grills? Do you want to know more about the features and maintenance it requires? Go to the site section and discover the new 3D configurator dedicated to Flow40: an interactive experience that allows a virtual tour of the solution and offers a specific focus on the installation, use and maintenance of the HRV system.

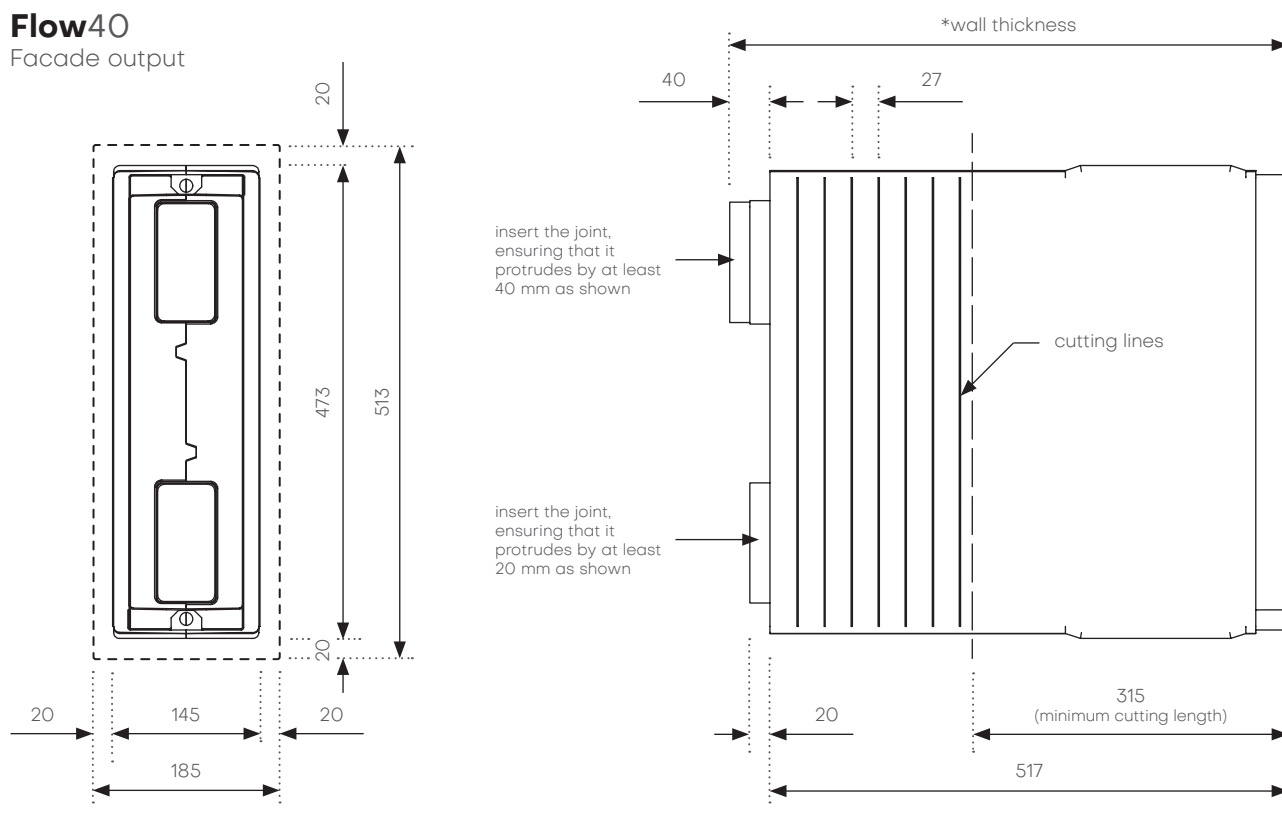


Scan the QR Code
and go to the 3D
configurator

Dimensional drawings

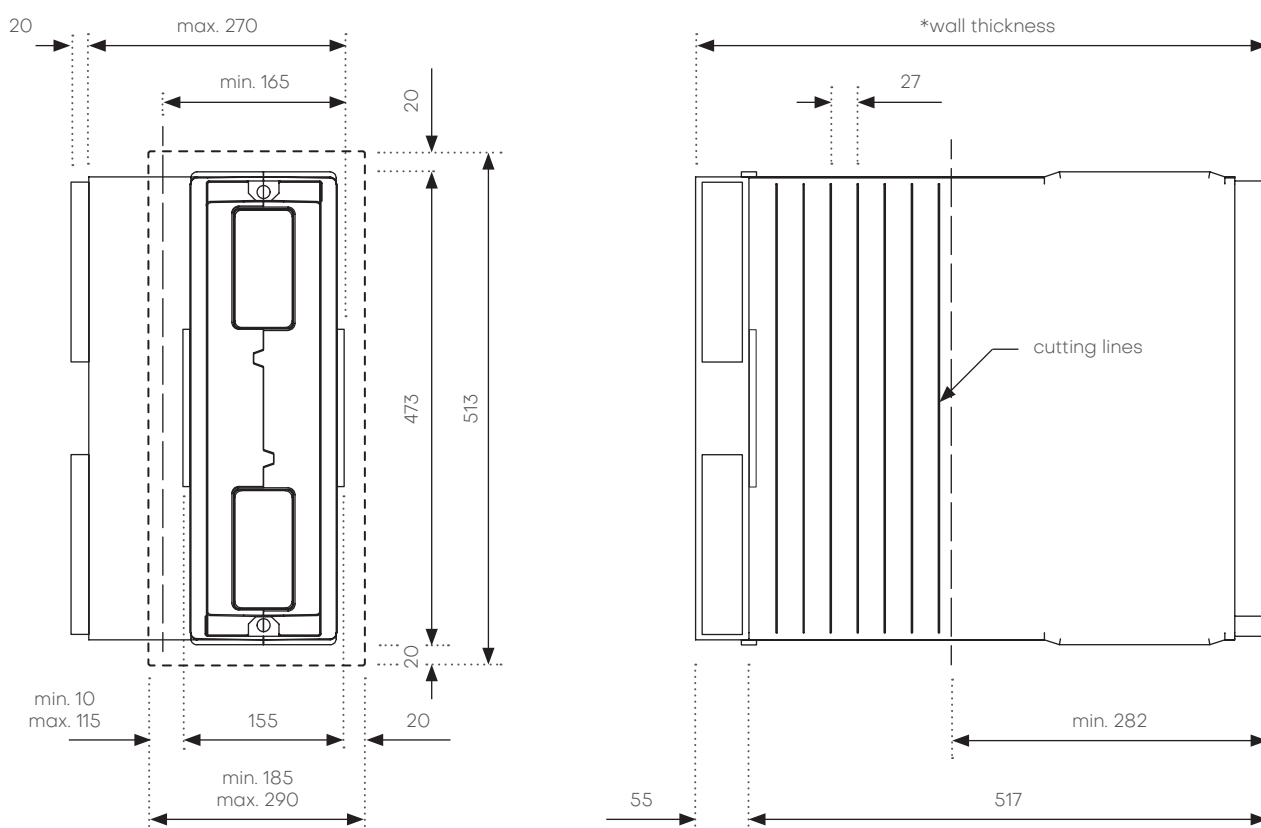
Flow40

Facade output



Flow40

Window-side outlet



Customisable cover to harmonise with any furnishing style

Wall-recessed HRV systems can be completed with different covers, depending on the context in which they are installed. You can choose the **ABS or white pre-painted sheet metal cover***, which can also be painted if required to match the style of the room. Alternatively, you can opt for the **plexiglass cover** with a convenient **magnetic clip system** for easy filter replacement. A white or black plexiglass cover is available.



*ABS cover only available for Flow40.



Wall-recessed HRV

The preparation for installing Helly Flow HRV units is a three-step process:

1. make a rectangular hole in the wall according to the shape required by the type of unit to be installed;
2. install the preparation setup in the wall, including external air vents, and seal the perimeter of the preparation with flexible polyurethane foam;
3. insert the HRV unit and connection to the power supply and position the inner cover.

See the instruction manual for more details.

The preparation setup can be purchased separately to be inserted into the masonry already at the construction site; it can also be completed later with the installation of the HRV unit and cover.

Slim grill accessory



* For Flow40, Slim 40x180 mm external grills (via accessory kit) are also available as an alternative to the standard ones.

