



Flow40

Zero footprint,
maximum comfort

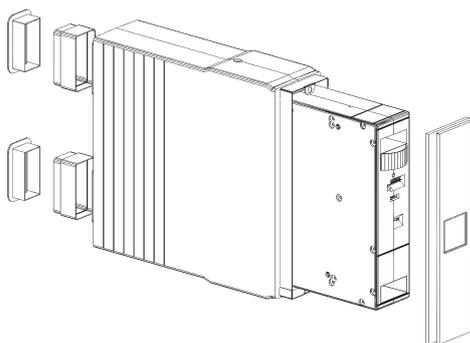
Hely Flow40 is a decentralised **built-in** solution, ideal especially for renovation and energy requalification. The HRV makes itself invisible by combining excellent air exchange performance with a **zero footprint**: Flow40 does not require ducting or false ceilings and **leaves only the cover exposed**, available in a white pre-painted metal or white or black Plexiglas variant visible. The recessed system is housed **in an Expanded Polystyrene setup, adaptable to walls of varying thickness**, which can be fitted during construction and completed with HRV units and covers at a later date.

The HRV unit is equipped with a dual cross-flow counter-current enthalpy heat exchanger, with 91% recovery efficiency and **dual F7 + G4/G2 filter** that purifies the fresh air and safeguards system performance. It has a **hygrometric sensor which continuously monitors humidity** to provide automatic ventilation regulation. The **electronic free-cooling function** contributes to passive cooling by introducing fresh air into the home in favourable outdoor temperature conditions.



Flow40^{Pure}

The Pure versions also include a **sensor for detecting CO₂ and VOC levels** with automatic adjustment of the air flow to maintain the sensation of well-being in the room. This version enables the management of all functions and monitoring of air quality values via the **Air Guard app**.



Sensors for automatic humidity, CO₂ and VOC management.



Zero footprint solution: completely recessed in the masonry.



91%

Heat recovery efficiency



15 dB(A)

Sound pressure



42 m³/h

Maximum air flow



F7+G4

Air intake filtration



-37.9 kWh/m²a

SEC energy consumption (temperate climate)

Technical data

Energy efficiency class **A**

Specifications	UoM	Value
Air flow 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 ⁽¹⁾
Specific power input	W/m ³ /h	0.35/0.32/0.35/0.47/0.48 ⁽¹⁾
Power supply voltage	V AC	230
Operating voltage ⁽²⁾	V DC	24
Max. current consumption ⁽³⁾	A	0.17
Mass of HRV unit	kg	4
Unit dimensions (vertical W x H x D)	mm	108 x 408 x 268
Setup dimensions (vertical W x H x D)		145 x 473 x 517
Heat exchanger		enthalpy with cross-flow countercurrent
Heat recovery efficiency	%	91
Sound power level ⁽⁴⁾	dB(A)	26.5/32.4/37.8/46
Sound pressure ⁽⁵⁾	dB(A)	15/20.9/26.3/34.5
Facade noise abatement Dn, e, w	dB	45
Filters (intake / extraction)		F7+G4 / G2
Modbus RTU rs485		Yes ⁽⁶⁾
Energy efficiency class (cold / temperate / hot)		A+ / A / E
SEC (cold / temperate / hot)	kWh/m ² a	-741 / -37.9 / -14.6
Unit type		UVR-B bidirectional
Specific Power Input SPI ⁽⁷⁾	W/(m ³ /h)	0.35
Internal leakage rate ⁽⁷⁾	%	0.8
External leakage rate ⁽⁷⁾	%	0.9
Air flow sensitivity (variations +20 Pa to -20 Pa)		Class S1
Internal/external air tightness		Class S1

1. In hyperventilation mode

2. The use of the supplied power supply allows power to be supplied at 230 V AC. To be connected during installation.

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 f 3 m

6. In the Pure versions, this excludes control via the interface panel

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

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Adaptable cover may be customised to blend in with any decor

These wall recessed HRV systems may be finished with different covers, depending on their installation context. The **cover is available in ABS or white pre-painted sheet metal***, which can also be painted if required to blend with the room decor. Or you can opt for the **plexiglass cover** that offers a convenient **magnetic clip system** for easy filter replacement. The plexiglass cover is available in both white and black.



*ABS cover only available for Flow40, sheet metal only available for Flow120.



Wall recessed HRV installation

The setup for the installation of Helly Flow HRV units is a three-step process:

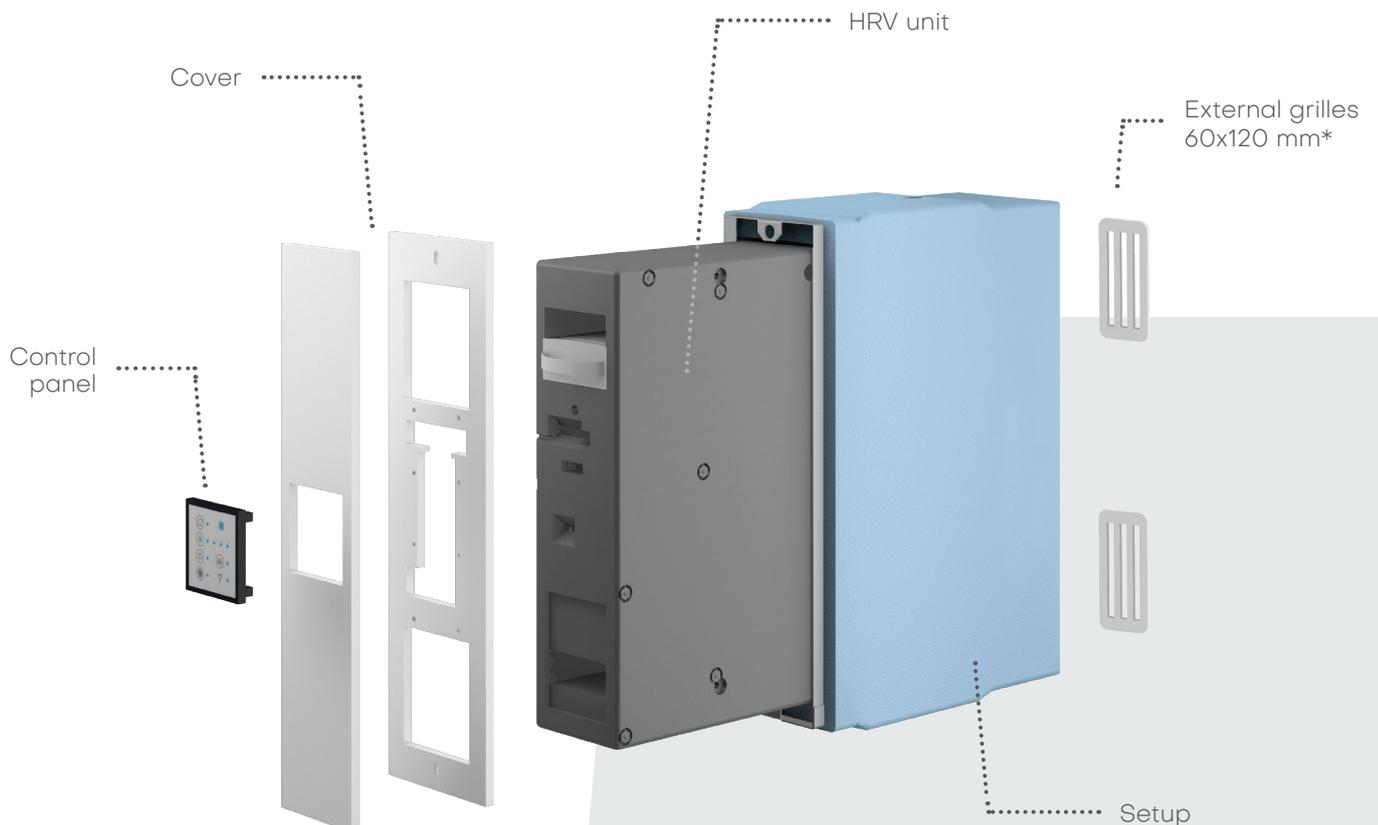
1. a rectangular hole is cut into the wall according to the shape required by the type of device to be installed (see pages 52 and 53);
2. the setup is fitted in the wall, including external vents and the edges are then sealed with flexible polyurethane foam;
3. the HRV unit is inserted and connected to the power supply; the inner cover is fitted.

For more details, please refer to the instruction manual. The setup can be purchased separately for prior installation in the masonry during the construction phase; it can then be completed at any time later with the assembly of the HRV device and cover.

Slim grille accessory

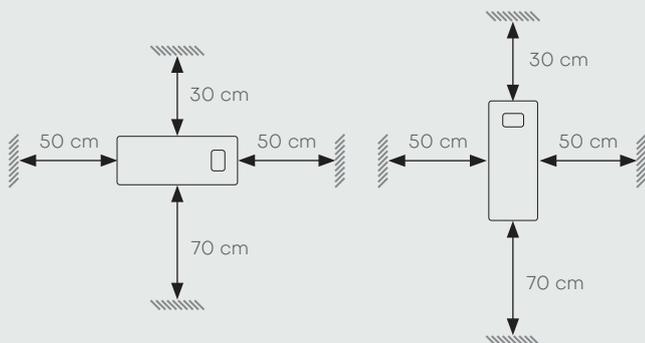
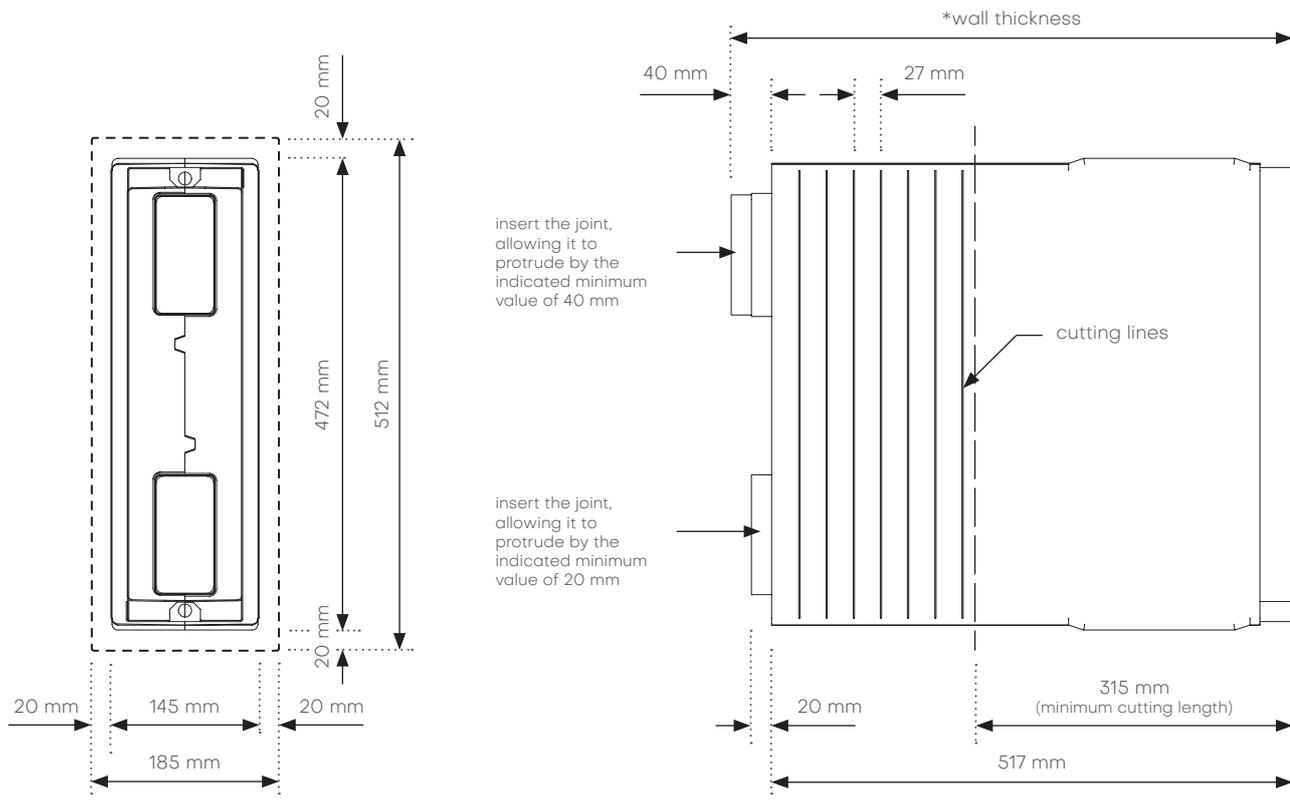


* Slim 40x180 mm external grilles are also available (via accessory kit) for Flow40 as an alternative to standard ones.



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Preparatory core drilling details and dimensions for Flow40 setup



Recommended minimum orientation and dimensions

	UoM	Horizontal	Vertical
Above	cm	30	30
Below	cm	70	70
Left	cm	50	50
Right	cm	50	50

Masonry hole measurements

Position	UoM	Masonry hole W x H
Horizontal	mm	512 x 185
Vertical	mm	185 x 512

Wall thickness limits*

Wall thickness	UoM	Plaster	Cladding
Minimum	mm	335	355
Maximum	mm	535	555