

Built-in recessed HRV



Flow40

Zero bulk,
maximum comfort

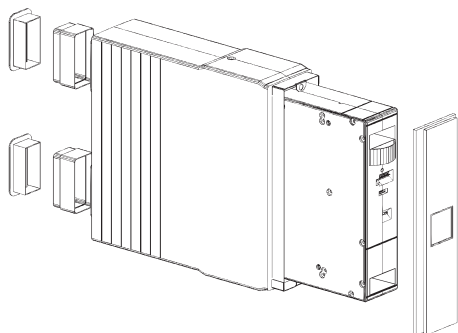
Helty Flow40 is a **decentralised solution built into masonry**; it is an ideal solution for renovation contexts and energy re-qualification projects. The HRV becomes invisible, combining excellent air renewal performance with **no footprint: Flow40** does not require ducting or false ceilings and **leaves only the cover visible**, available in a white pre-painted metal version or in white or black Plexiglas. The concealed system is housed **in a prepared Expanded Polystyrene recess, 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 **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 version also includes 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 management of all functions and monitoring of air quality values using the **Air Guard app**.



Sensors for automatic control of humidity, CO₂ levels and VOCs



Zero footprint solution: completely recessed in masonry.



91%

Heat recovery efficiency



15 dB(A)

Sound pressure level



42 m³/h

Maximum airflow



F7+G4

Air intake filtration



-37.9 kWh/m²a

SEC energy consumption (moderate climates)

Technical data

Energy class

A

| Specifications | UoM | Value |
|--|----------------------|---|
| Air flow | m ³ /h | 10/17/26/37/42 ⁽¹⁾ |
| Air 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 | Vac | 230 |
| Operating voltage ⁽²⁾ | Vdc | 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 |
| Fitting area dimensions (vertical W x H x D) | | 145 x 473 x 517 |
| Heat exchanger | | enthalpy with cross-flow counter flow |
| 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 |
| Intake/Extraction filters | | F7+G4 / G2 |
| Modbus RTU rs485 | | Yes ⁽⁶⁾ |
| Energy class (cold / temperate / hot) | | A+ / A / E |
| SEC (cold / temperate / hot) | kWh/m ² a | -74.1 / -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 |
| Airflow sensitivity to pressure variation (+20Pa to -20Pa) | | Class S1 |
| Internal/external air tightness | | Class S1 |

1. In hyperventilation mode

2. The supplied power converter ensures that the unit can run on 230 Vac. To be connected during installation.

3. With 230 V AC supply voltage

4. According to UNI 3744: 2010

5. Measured in a 30 m³ semi anechoic environment at a distance of 3 m

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

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