



Flow 120/C120

Even more compact, even quieter.
Now also ducted

Flow120 radically updates the previous Flow70/100 models and is the perfect answer for everyday environments that require **more air exchange, without sacrificing quietness and comfort.**

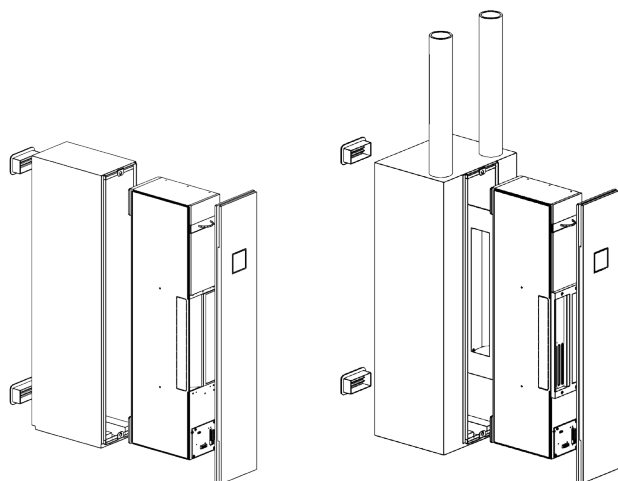
Versatile and performing, Flow120 is adjustable on 4 air flow speeds as well as offering night mode and hyperventilation functions: **the range from 15 m³/h up to 120 m³/h** allows it to meet the ventilation needs of **modern residential living spaces** or **small-sized offices** in the tertiary sector. Easy to install, the HRV unit has been **re-engineered to minimise footprint**, with a width of just 16 cm and height of only 92 cm. The choice of **different types of covers** also ensures greater integration into

the home environment. The setup for built-in wall installation allows work even on external masonry just 34.5 cm thick. Great attention is paid to quiet operation, with a **sound power level of less than 40 dB(A) at the working flow rate (60 m³/h)**, and to energy efficiency with **88% heat recovery.** The unit is available in standard version, which is already equipped with a **hygrometric sensor** as standard, and in Pure version, which also includes the **CO₂ + VOC sensor** and the control of the units via the Air Guard app using the home Wi-Fi network for ease of use.

Flow C120: Helty's first ducted HRV

The **FlowC120** ducted model offers an even more versatile system in **HRV system design, serving multiple rooms** within living units. This version, with **ducted supply and extraction air flows of up to 8 metres***, offers the possibility of partitioning air supply and suction in the room of installation, taking stale air from a bathroom and injecting fresh air into an adjacent room such as a bedroom. A smart solution, ideal e.g. for three-room apartments, to reduce the cost of building a HRV system and manage the **air exchange over adjacent rooms with a single decentralised ventilation unit.**

* for details on the dimensions of the ducting see the technical manual



Zero footprint solution: completely recessed in the masonry.



Sensors for automatic humidity, CO₂ and VOC management.



Possibility of serving several rooms in the ducted version.



88%

Heat recovery efficiency



18.5 dB(A)

Sound pressure



120 m³/h

Maximum air flow



F7

Air intake filtration



-37.6 kWh/m²a

SEC energy consumption (temperate climate)

Technical data

Energy efficiency class **A**

Specifications	UoM	Flow120	Flow [®] 120
Air flow rate	m ³ /h	15/30/45/60/80/120 ⁽¹⁾	
Flow adjustment		night + 4 stages + hyperventilation	
Power consumption	W	3/6/9/13/23/55 ⁽¹⁾	
Specific power input	W/m ³ /h	0.2/0.2/0.2/0.22/0.29/0.46 ⁽¹⁾	
Power supply voltage	V AC	230	
Operating voltage ⁽²⁾	V DC	24	
Max. current consumption ⁽³⁾	A	0.45	
Mass of HRV unit	kg	10	
Unit dimensions (vertical W x H x D)	mm	160 x 920 x 286	
Setup dimensions (vertical W x H x D)		190 x 990 x 345	390 x 990 x 345
Conduit connection diameter	mm	-	Ø78
Heat exchanger	mm	enthalpy with cross-flow countercurrent	
Heat recovery efficiency	%	88	
Sound power level ⁽⁴⁾	dB(A)	30/31/35/40/47/54	
Sound pressure ⁽⁵⁾	dB(A)	18.5/19.5/23.5/28.5/35.5/42.5	
Facade noise abatement Dn, e, w	dB	45	
Filters (intake / extraction)		F7 / G1	
Modbus RTU rs485		Yes ⁽⁶⁾	
Energy efficiency class (cold / temperate / hot)		A+ / A / E	
SEC (cold / temperate / hot)	kWh/m ² a	-71.6 / -37.6 / -15.5	
Unit type		UVR-B bidirectional	
Specific Power Input SPI ⁽⁷⁾	W/(m ³ /h)	0.22	
Internal leakage rate ⁽⁷⁾	%	1.9	
External leakage rate ⁽⁷⁾	%	0.8	

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



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:

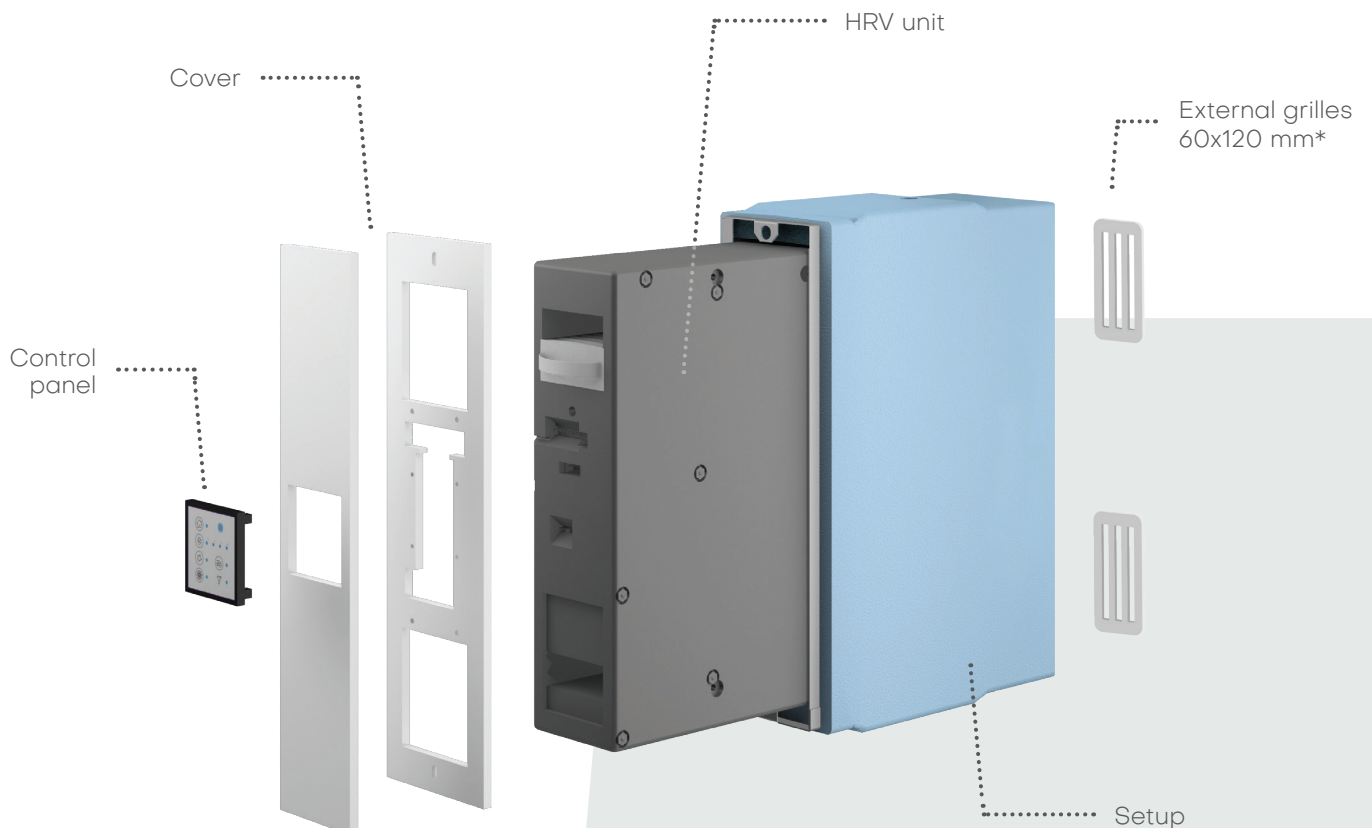
1. a rectangular hole is cut into the wall according to the shape required by the type of device to be installed (see pages 52 and 53);
2. the setup is fitted in the wall, including external vents and the edges are then sealed with flexible polyurethane foam;
3. the HRV unit is inserted and connected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

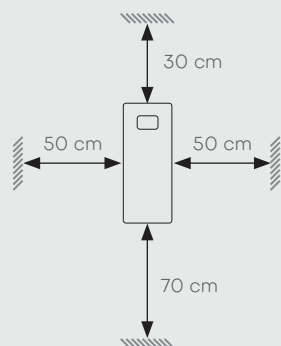
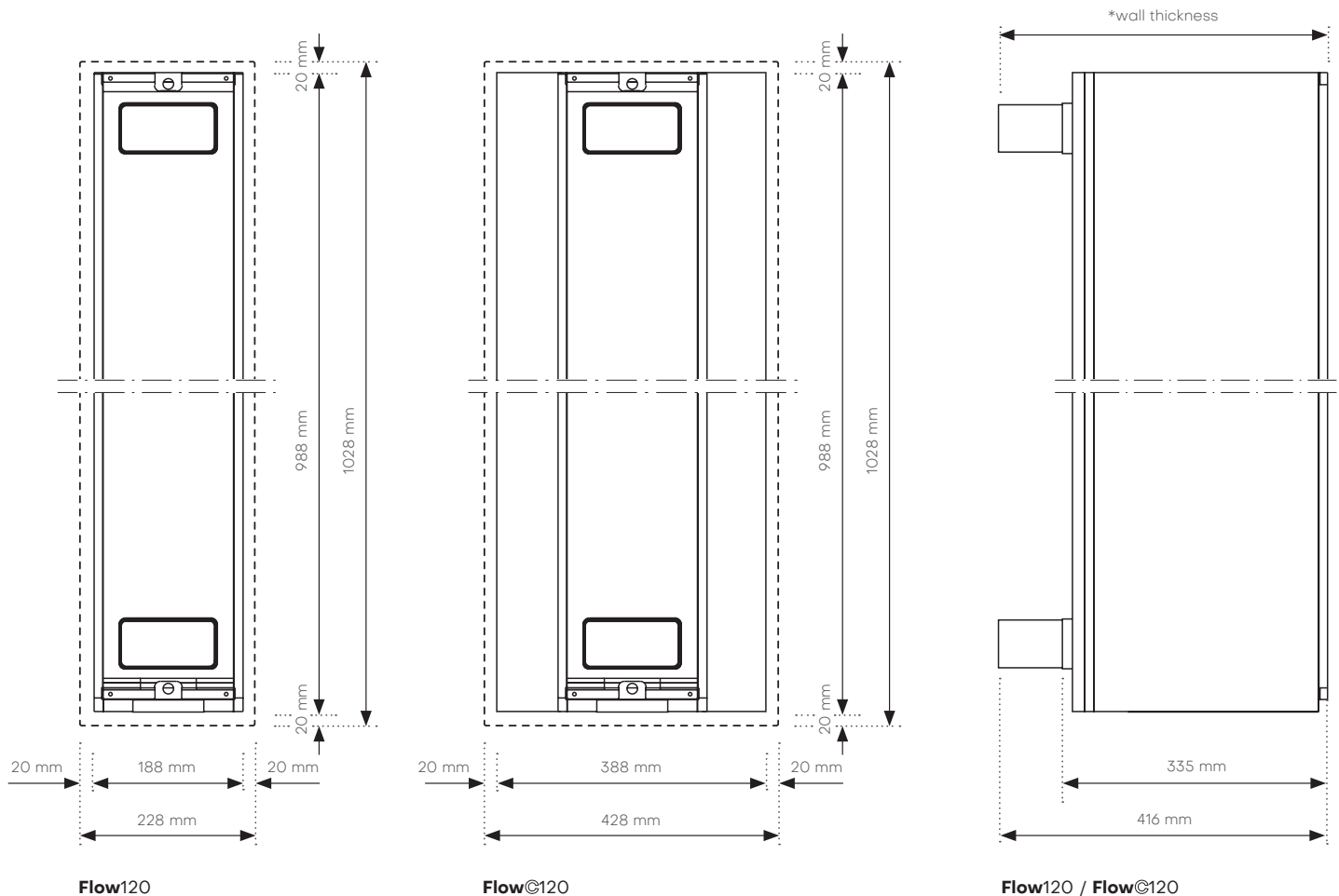
Slim grille accessory



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



Preparatory core drilling details and dimensions for Flow120/C120 setup



Recommended minimum orientation and dimensions

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

Masonry hole measurements

Model	UoM	Masonry hole W x H
Flow120	mm	228 x 1028
FlowC120	mm	428 x 1028

Wall thickness limits*

Wall thickness	UoM	Plaster	Cladding
Minimum	mm	345	365
Maximum	mm	416	416