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Flow 120/120H/©120

Compact, silent, versatile, also available ducted

Flow120 is the perfect answer for everyday environments that require more air exchange without sacrificing quietness and comfort.Versatile and highperformance, Flow120 can be adjusted to four airflow speeds, in addition to night and hyperventilation modes. The range from 15 m³/h to 120 m³/h means that it can meet the ventilation needs of modern residential living spaces or small offices. Easy to install, the HRV unit minimises footprint, with a width of just 16 cm and a height of only 92 cm. Also available in 120H version - forhorizontal installation, e.g. underneath the fixture - Flow120 offers a choice of different covers for

perfect integration into any environment. The option with window-side outlet grills make the application even less conspicuous to preserve the appearance of the facade. With installation only in the specific preparation setup for later completion, the unit can be mounted in masonry just 34.5 cm thick. With a sound power of less than 40 dB(A) at the working airflow rate (60 m3/h), Flow120 is particularly **quiet** and efficient, offering a heat recovery of 88%. The Pure version includes

a CO₂ + VOC sensor and control via the Helty Home app in addition to the standard hygrometric sensor.

Flow C120: the first Helty ducted HRV

The FlowC120 ductable model offers an even more versatile HRV system design, serving multiple rooms within residential units. This version, with ductable supply and exhaust airflows of up to 8 metres*, enables separate control of air delivery and suction in installation areas, taking stale air from a bathroom and injecting fresh air into an adjacent room such as a bedroom. A smart solution, ideal e.a. for three-room apartments, to reduce HRV system implementation costs and manage air exchange over adjacent rooms with a single decentralised ventilation unit.

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



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HRV unit technical data

| Functions and features | UOM | Flov | v 120 | Flow120H Flow | | <i>i</i> ©120 | |
|--|---------------------------|---|-------------------------------|-----------------|-----------|--|---|
| Version | | STD | Pure | STD | Pure | STD | Pure |
| Night function | | • | • | • | • | • | • |
| Hyperventilation | | ٠ | • | • | ٠ | • | ٠ |
| Filter replacement alert | •••••• | ٠ | ٠ | • | • | • | • |
| Humidity sensor | •••••• | ٠ | ٠ | • | • | • | • |
| CO ₂ and VOC sensor | •••••• | - | ٠ | - | • | - | • |
| IR remote control | ••••• | optional | optional | optional | optional | optional | optional |
| Removable control panel | ••••• | optional | optional | optional | optional | optional | optional |
| On/Off LED panel | ••••• | ٠ | • | • | • | • | • |
| Helty Home App | •••••• | - | ٠ | - | • | - | • |
| Control Panel | •••••• | on-board | | | | | |
| Airflow rate | m³/h | 13/30/45/60/80/120(1) | | | | | |
| Flow adjustment | | 4 stages + hyperventilation | | | | | |
| Power consumption | W | ••••• | 3/6/9/13/23/55 ⁽¹⁾ | | | | |
| Supply voltage | V AC | 230 | | | | | |
| Max. current consumption ⁽²⁾ | A | 0.45 | | | | | |
| Weight | kg | 10 | | | | | |
| HRV unit dimensions (W × H × D) | mm | 160 x 920 x 286 | | | | | |
| Preparation setup dimensions $(W \times H \times D)$ | mm | 190 x 990 x 345 190 x 990 x 345 390 x 990 x 345 | | | | | |
| Window-outlet preparation setup dimensions (W x H x D) | mm | 319 x 1006 x 482 - | | - | | | |
| Installation orientation | | vertical horizontal vertical | | tical | | | |
| Heat exchanger | | enthalpy with cross-flow countercurrent | | | | | |
| Heat recovery efficiency | % | | | | | | |
| Bypass (free cooling/free heating) | ••••• | manual electronic | | | | | |
| Sound power level ⁽³⁾ | dB(A) | | | | | | |
| Sound pressure ⁽⁴⁾ | dB(A) | | | | | | |
| Dn,e,w (facade noise abatement) | dB | 45 | | | | | |
| Intake filter | ••••• | ISO ePM2.5 65% | | | | | |
| Extraction filter | ••••• | ISO Coarse 90% | | | | | |
| Modbus RTU rs485 | ••••• | Yes ⁽⁵⁾ | | | | | |
| 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 ⁽⁶⁾ | | U2 | | | | | |
| Sensitivity to pressure variations ⁽⁶⁾ | | S1 | | | | | |
| Internal/external air tightness ⁽⁶⁾ | | N/A | | | | | |
| Kit | | installation manual, user manual, power supply, control panel, connection cable, airtight gasket | | | | | |
| Code | | 1VMC02007 | 1VMC02008 | 1VMC02014 | 1VMC02015 | 1VMC02009 | 1VMC02010 |
| In hyperventilation mode With 230 V AC supply voltage | 3. Accordin 4. Measure | ng to UNI 3744:2010 d in a 30 m² semi-ane | choic environment at a | distance of 3 m | 5. 6. | The Cloud control pa In accordance with E | nel functions are lost N 13141-8:2014-09 |



Accessories and spare parts

| Article | Туре | Code 1VMC99104 | | |
|---|--------------------|-----------------------|--|--|
| Flow120 PMMA black cover | Accessories | | | |
| Flow120 PMMA white cover | Accessories | 1VMC99099 | | |
| Flow120 sheet metal cover | Accessories | 1VMC99098 | | |
| Reverse control panel cover adapter | Accessories | 1VMC99124 | | |
| PG7 12 mm adapter | Accessories | 1VMC99129 | | |
| Flow120 protection panel | Spare parts | 1VMC99116 | | |
| Flow120 window-side outlet setup | Preparation setups | 1VMC03009 | | |
| FlowC120 preparation setup | Preparation setups | 1VMC03008 | | |
| Flow120 preparation setup | Preparation setups | 1VMC03007 | | |
| Flow120 insulation preparation setup | Accessories | 1VMC99103 | | |
| Tube 120x60 mm L 370 mm x2 | Accessories | 1VMC99054 | | |
| Tube adapter 120x60 mm Flow120H x2 | Accessories | 1VMC99113 | | |
| 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 | | |
| Flow120H ceiling bracket | Accessories | 1VMC99114 | | |
| 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 | | |
| ePM2.5 65% + Coarse 60%x5 Flow120 x5 filter | Filters | 1VMC06013 | | |
| ePM2.5 65% + Coarse 60%x10 Flow120 x10 filter | Filters | 1VMC06012 | | |
| Coarse 60% x5 Flow120 x5 filter | Filters | 1VMC06015 | | |
| Coarse 60% x10 Flow120 x10 filter | Filters | 1VMC06014 | | |
| ePM1 80% x5 Flow120 x5 filter | Filters | 1VMC06018 | | |
| ePM1 80% x10 Flow120 x10 filter | Filters | 1VMC06019 | | |
| | | | | |

1. Cloud Control Panel required

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Flow-head charts

A HeadB Flow rate

Super-minimum speed (night)
 Speed 1

3 Speed 2

5 Speed 46 Hyperventilation





Dimensional drawings

Flow120/120H





Flow©120





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Dimensional drawings

Flow©120





Example diagram of an HRV system in a three-room flat managed with the FlowC120 ductable, wall-recessed system. Air supply and return can be partitioned off to other rooms adjacent to the one in which the recessed unit is installed.

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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 prepainted 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 Helty 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



