



Flow600

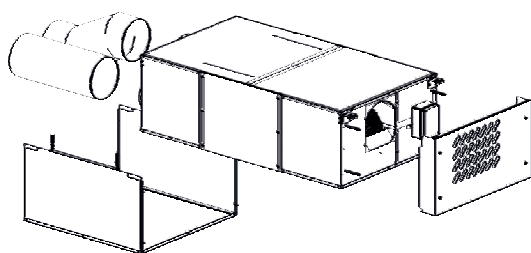
Slim shape, versatile performance

Flow600 Steel is ideal for installation in reception areas, offices, schools and kindergartens. Flow 600 Steel allows modulation of air exchange on **variable flow rates from 250 m³/h** (minimum speed) **to 600 m³/h** (maximum speed in hyperventilation mode), with four intermediate flow rates to flexibly meet design needs requiring high air renewal rates in medium to high-crowded environments, such as classrooms. The unit is equipped with an enthalpy cross-flow heat exchanger, allowing **heat recovery efficiency of up to 82%**. No condensate drain preparation is required. The Coarse 80% + ePM1 80%

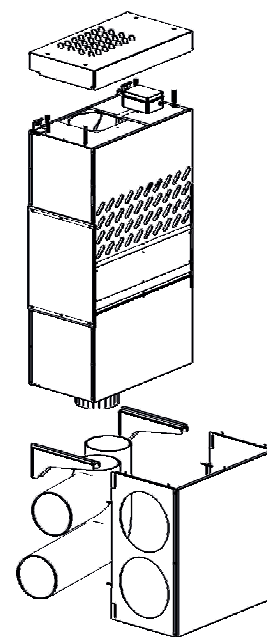
filter assembly fitted as standard ensures excellent filtration levels. The HRV unit is natively **integrated into a white painted steel cover**, complete with air intake and extraction openings, allowing the visible unit to be installed with no need for additional cosmetic covering. It can be **installed on the ceiling or as a vertical wall-mounted version** by means of a special tube casing, **allowing the intake/extraction vents to be managed on either the right or left side**, so as to adapt to design requirements. **Two 200-mm** coring holes in the perimeter wall, or alternatively four 100 mm holes are sufficient.

IAQ sensors in the Pure version

In addition to the standard version, Flow600 Steel is also available in a Pure version with a hygrometric sensor and CO₂ and VOC sensor for monitoring essential occupant well-being parameters, such as relative humidity, carbon dioxide levels and volatile organic compounds. By detecting the values in real time, **the HRV can automatically adjust the air exchange according to the actual needs** read in the room to be ventilated.



Flow600^{Steel}
Ceiling installation



Flow600^{Steel}
Wall-mounted installation



82%
Heat recovery
efficiency



35 dB(A)
Sound pressure



600 m³/h
Maximum airflow



**ISO Coarse 80%
+ ePM1 80%**
Intake air filtration



-40.6 kWh/m²a
SEC energy consumption
(temperate climate)



Classe
Energetica

A

Technical data

| Functions and features | UOM | Flow600 ^{Steel} | |
|--|----------------------|--|-----------|
| | | STD | Pure |
| Version | | | |
| Night function | | ● | ● |
| Hyperventilation | | ● | ● |
| Filter replacement alert | | ● | ● |
| Humidity sensor | | - | ● |
| CO ₂ and VOC sensor | | - | ● |
| Free Cooling | | ● | ● |
| Control panel Removable STD | | optional | optional |
| Control panel Removable cloud | | optional | optional |
| On/Off LED panel | | ● | ● |
| Helty Home app ⁽¹⁾ | | optional | optional |
| HCloud connection ⁽¹⁾ | | optional | optional |
| Airflow rate | m ³ /h | 250/300/350/450/550/600 ⁽²⁾ | |
| Flow adjustment | | night + 4 stages + hyperventilation | |
| Power consumption | W | 30/44/60/94/166/220 ⁽²⁾ | |
| Supply voltage | V AC | 230 | |
| Max. current consumption ⁽³⁾ | A | 1 | |
| Weight | kg | 55 | |
| Product dimensions (W x H x D) | mm | 1374 x 395 x 706 | |
| Heat exchanger | | counter-flow enthalpy | |
| Heat recovery efficiency | % | 82 | |
| Bypass (free cooling/free heating) | | manual electronic | |
| Sound power level ⁽⁴⁾ | dB(A) | 50/53/57/61/67/69 ⁽²⁾ | |
| Sound pressure ⁽⁵⁾ | dB(A) | 35/39/43/47/4/52.5/55 ⁽²⁾ | |
| Intake filter | | ISO Coarse 80% + ePM1 80% | |
| Extraction filter | | ISO Coarse 80% | |
| Modbus RTU rs485 | | Yes ⁽⁸⁾ | |
| Reference climate | | cold / temperate / warm | |
| Energy efficiency class (cold / temperate / hot) | | A+ / A / E | |
| SEC (cold / temperate / warm) ⁽⁶⁾ | kWh/m ² a | -76.8 / -40.6 / -17.2 | |
| Internal leakage ⁽⁷⁾ | % | 2 | |
| External leakage ⁽⁷⁾ | % | 0.5 | |
| Rated external pressure Δps.ext ⁽⁶⁾ | Pa | 120 | |
| Internal pressure drop Δps.int ⁽⁶⁾ | Pa | 360 | |
| Energy performance filters ⁽⁶⁾ | | A+ | |
| Kit | | installation manual, HRV filters | |
| Code | | 1VMC04020 | 1VMC04015 |

1. Cloud control panel connection required
 2. In hyperventilation mode
 3. With 230 V AC supply voltage

4. According to UNI 3744:2010
 5. Measured 1 m below the unit, corrected with background noise and reverberation times

6. According to Regulation (EU) No. 1253/2014
 7. In accordance with EN 13141-8:2014-09
 8. The Cloud control panel functions are lost

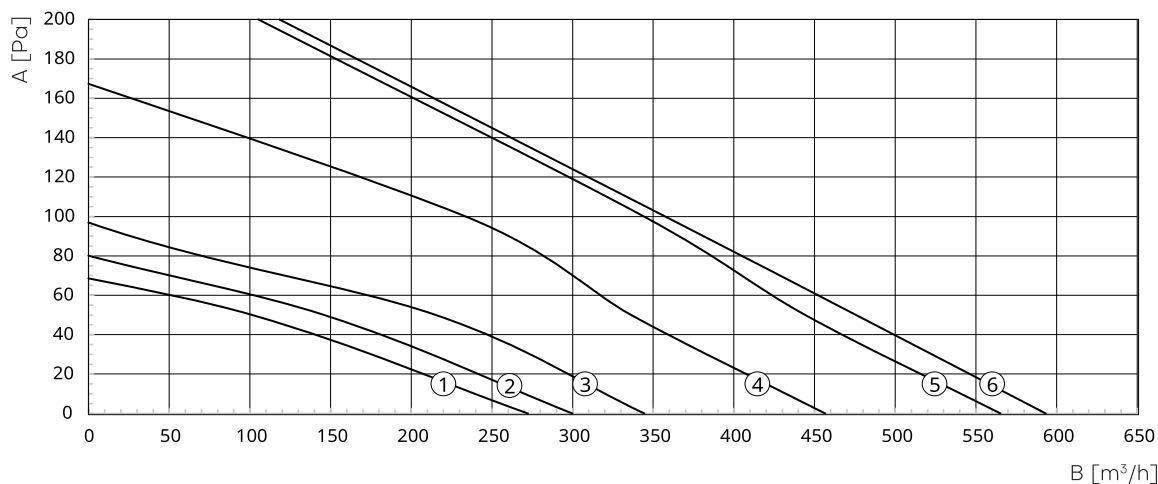
Accessories and spare parts

| Article | Type | Code |
|---|-------------|--------------|
| Flow600/800/1000 template | Accessories | 4VMC00000823 |
| External grills 340x340 mm plastic | Accessories | 1VMC99083 |
| External horizontal stainless-steel grills | Accessories | 1VMC99084 |
| Exterior vertical stainless-steel grills | Accessories | 1VMC99097 |
| ISO flex tube Ø102 mm L 5m + x2 clamps | Accessories | 1VMC99087 |
| ISO flex tube Ø203 mm L 5m + x2 clamps | Accessories | 1VMC99093 |
| Tube adapter 120x60 mm Ø100 mm x4 | Accessories | 1VMC99092 |
| Flow600 side casing | Accessories | 1VMC99081 |
| Flow600 ceiling casing | Accessories | 1VMC99082 |
| Flow600 rear casing | Accessories | 1VMC99112 |
| RH outlet casing compatible with Flow600 heater | Accessories | 1VMC99136 |
| Rear outlet casing compatible with Flow600 heater | Accessories | 1VMC99144 |
| RH output ceiling casing compatible with Flow600 heater | Accessories | 1VMC99166 |
| Ceiling casing compatible with Flow600 heater | Accessories | 1VMC99146 |
| Flow600 Steel pre-heater | Accessories | 1VMC99148 |
| Flow600/800/1000 Steel post-heater | Accessories | 1VMC99094 |
| Flow600 Steel oversized post-heater | Accessories | 1VMC99102 |
| 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 |
| Steel ionizer | Accessories | 1VMC99089 |
| CO ₂ monitor ⁽²⁾ | Accessories | 4VMC00000902 |
| IAQ monitor ⁽²⁾ | Accessories | 4VMC00000903 |
| Coarse filter pre-heater | Filters | 1VMC99162 |
| Coarse filter pre-heater x10 | Filters | 1VMC99163 |
| ePM1 80% + Coarse 80% Flow600 filter | Filters | 1VMC99080 |
| ePM1 80% + Coarse 80% Flow600 x10 filter | Filters | 1VMC99079 |

1. Cloud Control Panel required

Flow-head charts

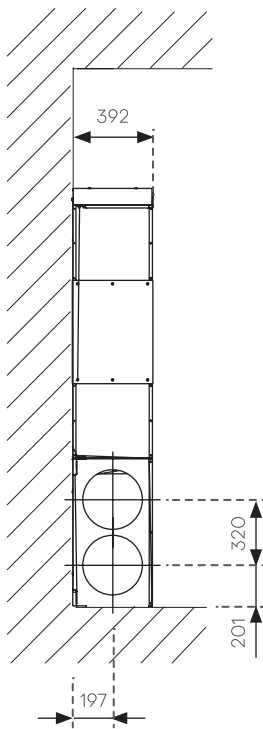
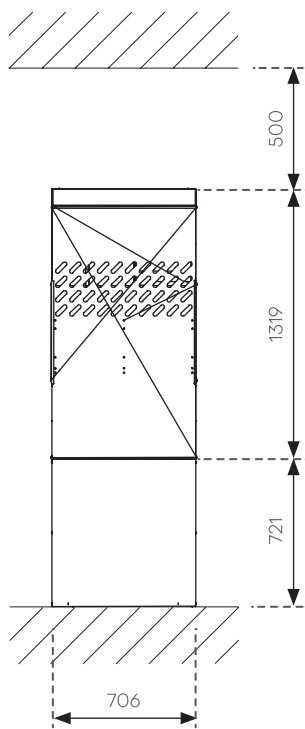
- A** Head **1** Super-minimum speed (night) **3** Speed 2 **5** Speed 4
B Flow rate **2** Speed 1 **4** Speed 3 **6** Hyperventilation



Dimensional drawings

Flow600^{Steel}

Wall-mounted installation



Flow600^{Steel}

Ceiling installation

