

Flow 600

Slim shape, versatile performance

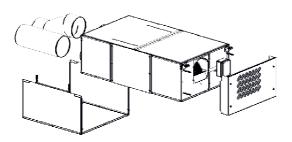
Flow600 Steel is ideal for installation in reception areas, offices, schools and kindergartens. Flow 600 Steel allows modulation of air exchange on variable flow rates from 250 m³/h (minimum speed) to 600 m³/h (maximum speed in hyperventilation mode). with four intermediate flow rates to flexibly meet 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.

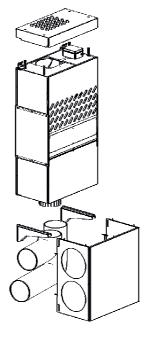
IAQ sensors in the Pure version

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.

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Flow600^{Steel} Ceiling installation



Flow600^{Steel}
Wall-mounted installation



82%

Heat recovery



35dB(A)

Sound pressure



600 m³/h

Maximum airflow



ISO Coarse 80% + ePM1 80%

Intake air filtration



 $-40.6 \text{kWh/m}^2\text{a}$

SEC energy consumption (temperate climate)



Technical data

Night (marion	Functions and features	иом	Flow600 ^{Steel}	
Hypervent flation	Version		STD	Pure
Filter replacement diert	Night function		•	•
Hundridy sensor	Hyperventilation		•	•
Co, and VOC sensor - • • • • • • • • •	Filter replacement alert		•	•
Control panel Removable STD	Humidity sensor		-	•
Control panel Removable STD	CO ₂ and VOC sensor		-	•
Control panel Removable cloud optional optional On/Off LED panel • Halty Home app 19 optional optional HCloud connection 69 optional optional Afrifow rate m³/h 250/300/350/450/550/600% Flow adjustment night + 4 stages + hyperventilation Power consumption W 30/44/60/94/166/220% Supply voltage V AC 250 Max. current consumption 60 A 1 Weight kg 55 Product dimensions (************************************	Free Cooling		•	•
On/Off LED panel • • • • • • • • • • • • • • • • • • •	Control panel Removable STD		optional	optional
Helty Home app ®	Control panel Removable cloud		optional	optional
April Apr	On/Off LED panel		•	•
Airflow rate m³/h 250/300/350/450/550/600 ⁽ⁿ⁾ Flow adjustment night + 4 stages + hyperventilation Power consumption W 30/44/60/94/166/220 ⁽ⁿ⁾ Supply voltage V AC 230 Mox. current consumption (a) A 1 Weight kg 55 Product dimensions (w + + x 0) mm 1374 x 395 x 706 Heat exchanger counter-flow enthalpy Heat recovery efficiency % 82 Bypass (reas cooling/free heating) manual electronic Sound power level (in) dB(A) 50/53/57/61/69 ⁽ⁿ⁾ Sound pressure (in) dB(A) 35/39/43/47/52/5/55 ⁽ⁿ⁾ Intake filter ISO Coarse 80% - ePM180% Extraction filter ISO Coarse 80% - ePM180% Extraction filter ISO Coarse 80% - ePM180% Modbus RTU real85 Yes (iii) Reference climate cold / temperate / warm Energy efficiency class suda/ temperate / varm A+ / A / E SEC (inst) temperate / warm (iii) kWh/m²a -768 / -406 / -172 Internal leakage (iii) %	Helty Home app ⁽¹⁾		optional	optional
Flow adjustment	HCloud connection (1)		optional	optional
Power consumption W 30/44/60/94/166/220° Supply voltage V AC 230 Max. current consumption (°) A 1 Weight kg 55 Product dimensions (w x + x 0) 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 (°) dB(A) 50/53/57/61/67/69°² Sound pressure (°) dB(A) 35/39/43/47.4/52.5/55°° Intake filter ISO Coarse 80% + ePMI 80% Extraction filter ISO Coarse 80% Modbus RTU rs485 Yes (°) Reference climate cold / temperate / warm Energy efficiency class (cols / temperate / riot) A+ / A / E SEC (cods / temperate / warm) (°) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (°) % 0.5 Rated external pressure Δps. ext (°) Pa 120 Internal pressure drop Δps int (°) Pa 360 Energy performance filters (°) A+ <td>Airflow rate</td> <td>m³/h</td> <td>250/300/350/45</td> <td>50/550/600⁽²⁾</td>	Airflow rate	m³/h	250/300/350/45	50/550/600 ⁽²⁾
Supply voltage V AC 230 Max. current consumption (b) 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 (b) dB(A) 50/53/57/61/67/69 ^(D) Sound pressure (s) dB(A) 35/39/43/474/52.5/55 ^(D) Intake filter ISO Coarse 80% + ePMI 80% Extraction filter ISO Coarse 80% + ePMI 80% Extraction filter ISO Coarse 80% + ePMI 80% Modbus RTU rs485 Yes (b) Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / rat) A+ / A / E SEC (cold / temperate / warm) (b) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (f) % 0.5 Rated external pressure Δps. ext (c) Pa 120 Internal pressure drop Δps.int (c) Pa 360 Energy performance filters (c) A+ <td>Flow adjustment</td> <td></td> <td colspan="2">night + 4 stages + hyperventilation</td>	Flow adjustment		night + 4 stages + hyperventilation	
Max. current consumption (8) A 1 Weight kg 55 Product dimensions (w×n×x) 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 (9) dB(A) 50/53/57/61/67/69*2* Sound pressure (6) dB(A) 35/39/43/474/52.5/55*2* Intake filter ISO Coarse 80% + ePMI 80% Extraction filter ISO Coarse 80% Modbus RTU rs485 Yes (8) Reference climate cold / temperate / warm Energy efficiency class (soid / temperate / hoot) A+ / A / E SEC (soid / temperate / warm) (6) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (7) % 2 External leakage (7) % 0.5 Rated external pressure Aps. ext (6) Pa 120 Internal pressure drop Aps.int (6) Pa 360 Energy performance filters (6) A+ A+ Kit installation monual, HRV filters	Power consumption	W	30/44/60/94/166/220 ⁽²⁾	
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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 (ii) dB(A) 50/53/57/61/67/69(2) Sound pressure (iii) 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 (iii) Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / hor) A+ / A / E SEC (cold / temperate / warm) (iii) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (iii) % 0.5 Rated external pressure Δps. ext (iii) Pa 120 Internal pressure drop Δps.int (iii) Pa 360 Energy performance filters (iii) A+ Kit installation manual, HRV filters		Α	1	
Heat exchanger	Weight	kg	55	
Heat recovery efficiency % 82 Bypass (free cooling/free heating) manual electronic Sound power level (**) dB(A) 50/53/57/61/67/69*** Sound pressure (**) dB(A) 35/39/43/47.4/52.5/55*** Intake filter ISO Coarse 80% + ePM1 80% Extraction filter ISO Coarse 80% Modbus RTU rs485 Yes (**) Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / hot) A+ / A / E SEC (cold / temperate / warm) (**) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (**) % 2 External leakage (**) % 0.5 Rated external pressure Δps. ext (**) Pa 120 Internal pressure drop Δps.int (**) Pa 360 Energy performance filters (**) A+ Kit installation manual, HRV filters	Product dimensions (W x H x D)	mm	1374 x 395 x 706	
Bypass (tree cooling/free heating) manual electronic Sound power level (a) dB(A) 50/53/57/61/67/69(2) Sound pressure (b) dB(A) 35/39/43/474/52.5/55(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) (a) kWh/m²a -76.8 / -40.6 / -17.2 Internal leakage (7) % 2 External leakage (7) % 0.5 Rated external pressure Δps. ext (a) Pa 120 Internal pressure drop Δps.int (a) Pa 360 Energy performance filters (a) A+ Kit installation manual, HRV filters	Heat exchanger		counter-flow enthalpy	
Sound power level (4) dB(A) 50/53/57/61/67/69(2) Sound pressure (5) dB(A) 35/39/43/474/52.5/55(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/m²a -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	Heat recovery efficiency	%	82	
Sound pressure (5) dB(A) 35/39/43/474/52.5/55(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/m²a -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	Bypass (free cooling/free heating)		manual electronic	
Intake filter ISO Coarse 80% + ePM1 80% Extraction filter ISO Coarse 80% Modbus RTU rs485 Yes (6) Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / hot) A+ / A / E SEC (cold / temperate / warm) (6) kWh/m²a -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	Sound power level (4)	dB(A)	50/53/57/61/67/69 ⁽²⁾	
Extraction filter ISO Coarse 80%	Sound pressure (5)	dB(A)	35/39/43/47.4/52.5/55 ⁽²⁾	
Modbus RTU rs485 Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / hot) SEC (cold / temperate / warm) (6) kWh/m²a -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	Intake filter		ISO Coarse 80% + ePM1 80%	
Reference climate cold / temperate / warm Energy efficiency class (cold / temperate / hot) A+ / A / E SEC (cold / temperate / warm) (6) kWh/m²a -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	Extraction filter		ISO Coarse 80%	
Energy efficiency class (cold / temperate / hot) SEC (cold / temperate / warm) (6) kWh/m²a -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	Modbus RTU rs485		Yes (8)	
Energy efficiency class (cold / temperate / hot) A+ / A / E SEC (cold / temperate / warm) (6) kWh/m²a -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	Reference climate		cold / temperate / warm	
SEC (cold / temperate / warm) (6) kWh/m²a -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	Energy efficiency class (cold / temperate / hot)		A+ / A / E	
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			-768 / -406 / -172	
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	Internal leakage (7)	%	2	
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		%	0.5	
Internal pressure drop \$\Delta ps.int \(^{(6)}\) Pa \qquad 360 Energy performance filters \(^{(6)}\) A+ Kit installation manual, HRV filters		Pa	120	
Energy performance filters (6) A+ Kit installation manual, HRV filters		Pa	360	
Kit installation manual, HRV filters			$\Delta +$	
	Vi+		installation manual HRV filters	
				1VMC04015

Cloud control panel connection required In hyperventilation mode With 230 V AC supply voltage

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

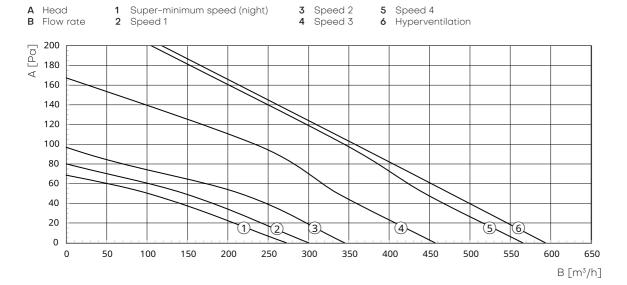
According to Regulation (EU) No. 1253/2014
 In accordance with EN 13141-8:2014-09
 The Cloud control panel functions are lost

Accessories and spare parts

Article	Туре	Code
Flow600/800/1000 template	Accessories	4VMC0000823
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	4VMC0000902
IAQ monitor ⁽²⁾	Accessories	4VMC0000903
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

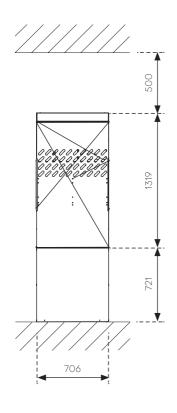


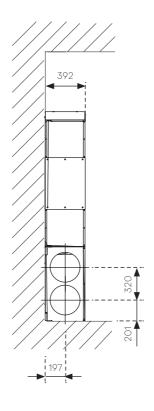
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Dimensional drawings

Flow600^{Steel}

Wall-mounted installation





Flow600^{Steel}
Ceiling installation

