

# Flow 70/100

Increased air flow  
and automatic by-pass

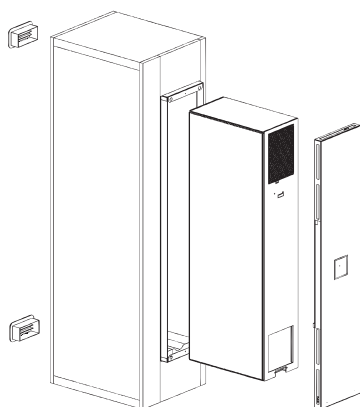
The recessed built-in Flow70 and Flow100 systems provide a space-saving, high-performance solution for controlled mechanical ventilation in medium-sized rooms requiring **air flow rates of up to 70 or 100 m<sup>3</sup>/hour**. They are ideal for use **in residential and small service sector premises**. The **free-cooling** function can be **activated automatically by by-passing the heat exchanger**. In favourable outside temperature conditions, the unit

contributes to heating or cooling at zero cost, lightening the load on existing air conditioning systems. Comfort is ensured by ensuring reduced sound pressure levels and particular attention to sound insulation. The special EPS preparatory recess that can be installed in the perimeter walling ensures **certified façade noise reduction up to Dn,e,w = 54dB**.



## Flow70/100<sup>PURE</sup>

The PURE versions also include a **sensor for detecting CO<sub>2</sub> 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 via the **Air Guard app**.



Sensors for automatic control of humidity, CO<sub>2</sub> levels and VOCs



Zero footprint solution: completely recessed in the masonry.



**87%**

Heat recovery efficiency



**24.3** dB(A)

Sound pressure level



**100** m<sup>3</sup>/h

Maximum airflow



**F7**

Air intake filtration



**-37.33** kWh/m<sup>2</sup>a

SEC energy consumption (moderate climates)

## Technical data

Energy class

**A**

### Specifications

	UoM	Flow70	Flow100
Airflow	m <sup>3</sup> /h	20/40/55/70/85 <sup>(1)</sup>	25/50/70/100/110 <sup>(1)</sup>
Flow adjustment		4 settings + hyperventilation	4 settings + hyperventilation
Power consumption	W	5.8/11.3/17.1/24.7/35 <sup>(1)</sup>	6.4/14.6/24.7/43.4/52 <sup>(1)</sup>
Specific Power Input	W/m <sup>3</sup> /h	0.29/0.28/0.31/0.35/0.41 <sup>(1)</sup>	0.26/0.29/0.35/0.43/0.47 <sup>(1)</sup>
Power supply	Vac	230	230
Tensione di funzionamento <sup>(2)</sup>	V DC	24	24
Max. current consumption <sup>(3)</sup>	A	0.25	0.45
Mass of HRV unit	kg	10	10
Unit dimensions (vertical W x H x D)	mm	186 x 920 x 340	186 x 920 x 340
Fitting area dimensions (vertical W x H x D)		340 x 1277 x 442	340 x 1277 x 442
Heat exchanger		enthalpy cross-counter flow	enthalpy cross-counter flow
Heat recovery efficiency	%	90	87
Sound power level <sup>(4)</sup>	dB(A)	35.8/39.6/43.3/46.7	35.8/42.2/46.7/49
Sound pressure <sup>(5)</sup>	dB(A)	24.3/28.1/31.8/35.2	24.3/30.7/35.2/37.5
Facade noise abatement Dn,e,w	dB	54	54
Intake/Extraction filters		F7 / G4	F7 / G4
Modbus RTU rs485		Yes <sup>(6)</sup>	Yes <sup>(6)</sup>
Energy class (cold / temperate / hot)		A+ / A / E	A+ / A / E
SEC (cold / temperate / hot)	kWh/m <sup>2</sup> a	-74.98 / -38.72 / -15.32	-72.96 / -37.33 / -14.29
Unit type		UVR-B bidirectional	UVR-B bidirectional
Specific Power Input SPI <sup>(7)</sup>	W/m <sup>3</sup> /h	0.31	0.35
Internal leakage rate <sup>(7)</sup>	%	0.3	0.3
External leakage rate <sup>(7)</sup>	%	1.3	1.3
Airflow sensitivity to pressure variation (+20Pa to -20Pa)		Class S1	Class S1
Internal/external air tightness		Class S1	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 m<sup>2</sup> 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