

## Heat recovery ventilation unit

11023478

## InspirAIR® Top 450 ERV Premium

The connected heat recovery ventilation solution that efficiently filters out the smallest pollutants and adapts to your needs.



InspirAIR Top 450 Premium ERV

**PRODUCT BENEFITS**

- for air quality: high performance filtration and customised filter recommendations,
- for performance: a complete system offering with thermal and electrical performance benchmarks in the market,
- for connectivity: a complete user experience with AldesConnect®.

**Principles of operation**

General and permanent ventilation of dwelling with heat recovery on exhaust air to pre-heat incoming air. This air is purified by custom filters that ensure healthy air in the dwelling.

**Product description**

Connected heat recovery ventilation solution for efficient elimination of the smallest pollutants, adapts to user requirements.

**Fields of application**

Multi-occupancy residential housing, Individual residential housing, New, Refurbishment

**Installation**

- cradle attachment or with attachment feet (sold as accessories),
- easy to reverse airflows,
- mandatory condensate connections using the drain kit sold as an accessory (except for kit references)
- start-up and adjustment using the InspirAIR wired remote control supplied (except for kit references)
- compact dimensions for easy integration in a standard cupboard.

**Reference arguments**

Connected heat recovery ventilation and air purification solution for efficient elimination of the smallest pollutants, adapts to user requirements.

## Main characteristics:

- material:
  - PPE body and metal panels,
- configuration:
  - 4 x Ø 160 mm connections on top of machine,
- airflow:
  - 450 m<sup>3</sup>/h.
- compact dimensions:
  - 560 x 560 x 1088 mm,
- condition indicator light,
- custom filter recommendations (modem accessory extra),
- exclusive radon mode,
- model available with enthalpy heat exchanger.

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## Main characteristics

- material:
  - PPE body and metal panels,
- configuration:
  - 4 x Ø 160 mm connections on top of machine,
- two airflow settings:
  - 300 m<sup>3</sup>/h,
  - 450 m<sup>3</sup>/h.
- compact dimensions:
  - 560 x 560 x 1088 mm,
- condition indicator light,
- personalised filter recommendations,
- exclusive radon mode,
- model available with enthalpy heat exchanger.

## Accessories

Désignations	References
BUS pre-heating coil 1.5 kW for DEE FLY and InspirAIR®	11023225
InspirAIR® Top remote control	11023479
Remote control InspirAIR® CO2	11023480
External post-heating coil 300W InspirAIR® Top	11023487
Siphon kit InspirAIR® Top	11023483
Floor installation kit InspirAIR® Top	11023484
Ceiling penet InspirAIR® Top	11023485
Internal pre-heating InspirAIR® Top	11023486
USB RS485 LINK CABLE 1.8 M INSPIRAIR	11023320
Pressure board kit InspirAIR® Top	11023498

## Consumables

Désignations	References
Dust filter InspirAIR® Top	11023490
Pollen filter InspirAIR® Top	11023491
Particle filter InspirAIR® Top	11023492
Fine particle filter InspirAIR® Top	11023493
Bacteria filter InspirAIR® Top	11023494
Particle + VOC filter InspirAIR® Top	11023495
Filter kit InspirAIR® Top 300 Classic	11027100
Filter kit InspirAIR® Top 300 premium	11027101
Filter kit InspirAIR® Top 450 Classic	11027102
Filter kit InspirAIR® Top 450 premium	11027103

## General data

References	Available filters	Type of exchanger	Type of motor
11023478	<ul style="list-style-type: none"> <li>&gt; pollen:               <ul style="list-style-type: none"> <li>- Coarse 65%,</li> </ul> </li> <li>&gt; particles:               <ul style="list-style-type: none"> <li>- ePM10 50%,</li> </ul> </li> <li>&gt; fine particles:               <ul style="list-style-type: none"> <li>- ePM1 0 85%,</li> <li>- ePM2.5 65%.</li> </ul> </li> <li>&gt; bacteria:               <ul style="list-style-type: none"> <li>- ePM2.5 95%,</li> <li>- ePM1 80%.</li> </ul> </li> <li>&gt; VOC:               <ul style="list-style-type: none"> <li>- ePM10 85%,</li> <li>- ePM2.5 65%.</li> </ul> </li> </ul>	Enthalpy	EC

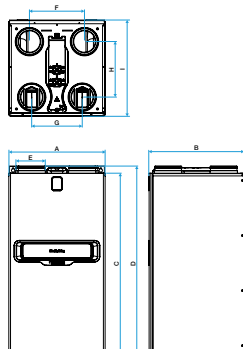
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### Dimensional data

References	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Weight (kg)
11023478	560	560	1045	1088	160	320	294	323	560	41



InspirAIR® Top Premium

### Airflow data

References	Airflow at max. speed (m³/h)
11023478	450

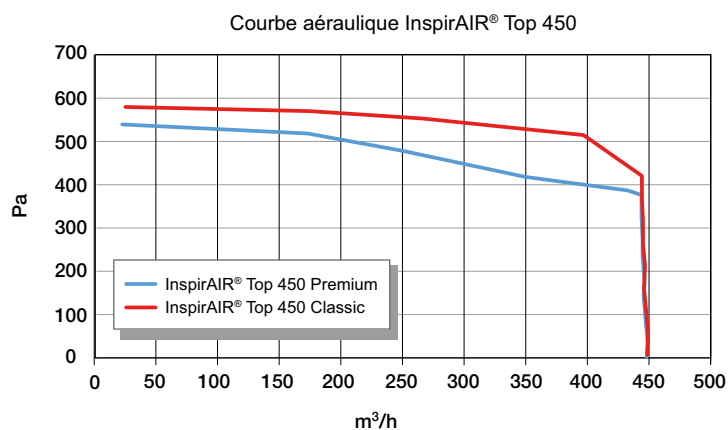
### Electrical datas

References	Frequency (Hz)	Protection rating	Max. current (A)	Voltage (V)	Max. power
11023478	50/60	IP65, IP67	2,5	230	350

### Regulatory data

References	Ventilation energy class – Average climate
11023478	A

### Curve



> Test conditions:

- Outdoor air = dry air at 5°C, Hr <20%.
- Indoor air = dry air at 25°C, HR < 20%. (EN 13141-7 and EN 308)

Courbe aéraulique InspirAIR® Top 450