

Flux External frost protection

Prolonged freezing temperatures carry the risk of ice forming in the heat exchanger. Renson equips every Flux unit with a standard frost protection via imbalance*. In certain situations, temperatures are so severe that electrical frost protection is also recommended. This optional frost protection unit heats the supply air before it reaches the heat exchanger.

With electrical frost protection, hybrid frost protection** can be achieved based on an electrical heating element of 1.2 kW. The heating element is modulated over time in response to the unit's sensors. The standard mode upon installation is 'Comfort'. After installation, Flux automatically detects this frost protection.

The external frost protection can be combined with the Flux Wall Compact and Flux Flat units.

* Imbalance is achieved by reducing the supply of fresh air. When the temperature sensors detect that the temperature is warm enough, our unit automatically switches back to balance control.

** Combination of imbalance with electrical frost protection.

More details on installation can be found in our installation manuals.



Key features

Thanks to the unique design of the heating element, the Renson external frost protection ensures much more efficient heat transfer. This results in several advantages:

Energy-efficient operation

The operating temperature of the heating element can remain much lower. This means lower energy consumption and a longer service life of the unit.

Complete comfort and safety

The heating element operates **efficiently at much lower temperatures** and therefore does not become red-hot. This is significantly safer, and any contaminants on the heating element will not start to smoulder.

In addition, the Renson external frost protection is equipped with a **multi-layer system of safety sensors. The temperature will not rise above 40°C**, ensuring safe operation at all times.

With the **optional filter** in the external frost protection, contaminants are largely captured before they reach the heating element.

Result: additional protection of the ventilation system and no unwanted odours.

Quality

Thanks to the EPP housing: no condensation or corrosion, excellent insulation and airtight channel connection.

Quick installation. Fully integrated.

Thanks to its smart design, the external frost protection is **exceptionally compact**. It can be **installed directly onto the Flux unit**, which significantly simplifies installation. The frost protection works seamlessly with the sensors within the Flux ecosystem. Simply plug the Rebus cable into the Flux unit – everything functions automatically. **Plug & play**, with no additional configuration required.

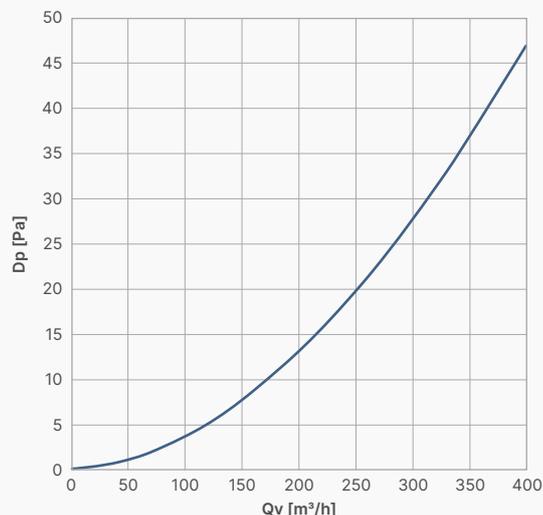
References

Article code	Name	Primary content
14524	External electrical frost protection kit	Incl. connection - Ø160-Ø160 for connection to ODA pipe - Ø150-Ø160 for connection to Flux Flat
37368	Set of filters (2 x G3)	Additional protection of the electrical element of the electrical frost protection system Coarse 45% according to ISO 16890 Set contains 2 filters

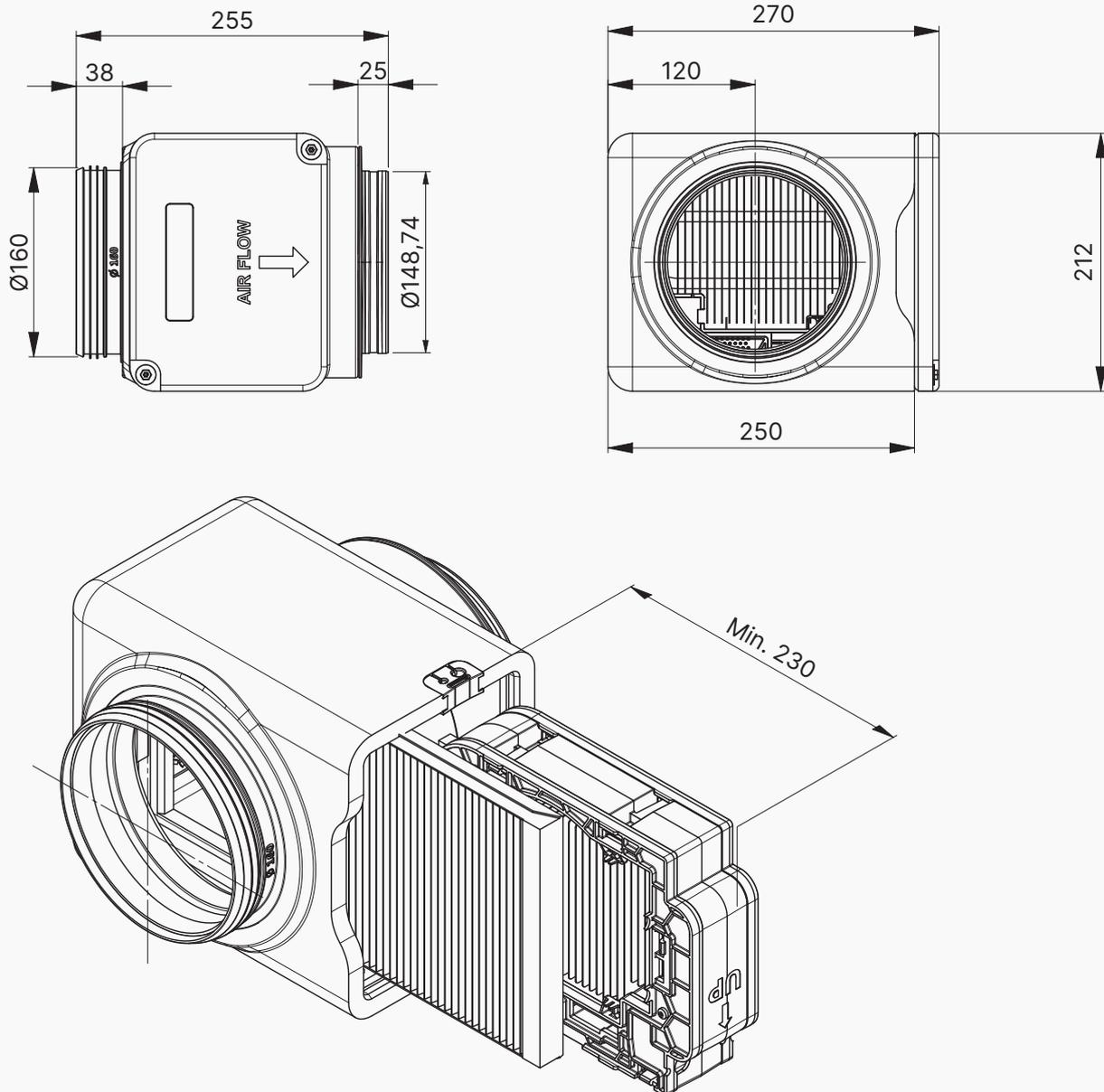
Technical specifications

Physical properties	
Dimensions	192 × 270 × 212 mm
Rebus cable length	2 metres
Electrical connection length	2 metres
Weight	- Without filter: 1804 g - With filter: 1849 g
Material	EPP
Compatible with	- Flux Wall Compact - Flux Flat
Scope of operation	Between -15°C and 40°C
Pressure drop across optional filter	See graph
Electrical properties	
Supply voltage	230 Vac ±10% (50 Hz, 60 Hz)
Max. power	1.2 kW
Maximum power consumption	6.5 A
Flux communication	Rebus connection (included)
Selectable modes	- Eco: Minimises electrical consumption - Comfort: Optimises demand control (Default)
Warranty	2 years
Application	All Flux Flat units and the Flux Wall Compact. Not for Flux Wall units

Pressure drop across optional filter



Technical drawings



EU Declaration of Conformity

EU DECLARATION OF CONFORMITY



The manufacturer established within the European Community

RENSON® Ventilation NV
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hereby declares that the ventilation systems listed below for residential applications

Flux external frost protection

when used in accordance with the respective technical conditions of these products,

comply with the provisions of European standards, in particular:

- EN 60335-1:2012 + A11:2014 Household and similar electrical appliances – Safety – Part 1: General requirements

which allows the presumption that the products comply with the requirements of:

- 2006/42/EC Machinery Directive
- 2011/65/EU RoHS Directive
- 2014/53/EU RED Directive (incl. 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive)

The undersigned are each individually authorised to compile the technical dossier.

November 2025,



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