

# VALLOX EXXEO

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Modern elegant roof fan range



**VALLOX**  
HOME *of* FRESH AIR

# ELEGANT ROOF FAN RANGE WITH THREE DIFFERENT CONTROL METHODS

**VALLOX**  
Exxeo

*Vallox has revised its roof fan range and is introducing the new Vallox Exxeo roof fan series featuring seven sizes and three different control methods.*

The seven roof fans in the Vallox Exxeo range with different air volumes are called **Vallox Exxeo 150, 300, 700, 1400, 2000, 2500 ja 4100**. The most suitable model is chosen according to the required air volume: the air flows of the smallest roof fan in the range, Vallox Exxeo 150, and the largest, Vallox Exxeo 4100, are 150 dm<sup>3</sup>/s and 4,100 dm<sup>3</sup>/s, respectively, with a static pressure loss of 150 Pa.

The Vallox Exxeo roof fan range models feature three different control methods: the versatile basic model **Vallox Exxeo**; the

**Vallox Exxeo DPC** (Differential Pressure Control) model equipped with an integrated differential pressure transmitter; and the **Vallox Exxeo DS** (Dual Speed) model designed for renovation projects.

## Elegant design, sound-dampening enclosure and excellent weather-resistance

The variety of sizes and control methods, along with the elegant design, make Vallox Exxeo roof fans an excellent choice for any location. The roof fan may also

be painted in the factory with a tone included in the RAL colour chart for a perfect match with the colour of the roof, for instance.

The sound level of the fans is considerably lower than before\*, thanks to the sound-dampening elements in the side panels.

*\* Compared to previous Vallox roof fans.*

Vallox Exxeo roof fans are tiltable, so that the fan can be turned to the side for the maintenance of the unit and the duct system.





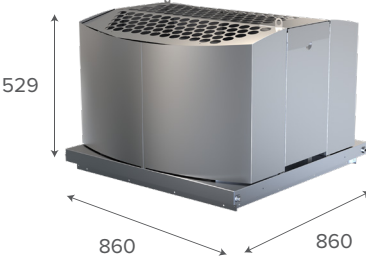

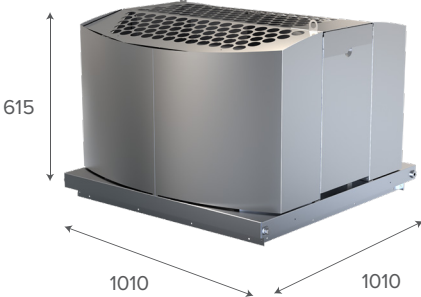




The unit is also always delivered with a mounting frame to make installation at the site easier.

Vallox Exxeo roof fans are also suitable for demanding weather conditions. The zinc-magnesium coated sheet steel (environmental impact category C4; C5 when painted) protects against corrosion and remains unchanged in any weather (EN ISO 12944-2).

The structure of the unit leads rainwater to the side, preventing it from entering the duct. The perforated roof panel protects the fan against leaves and other loose rubbish.

*The tilting part enables turning the roof fan to the side during maintenance.*



		Air volume dm <sup>3</sup> /s with a static pressure loss of 150 Pa	
		Vallox Exxeo 150	150
		Vallox Exxeo 300	300
		Vallox Exxeo 700	700
		Vallox Exxeo 1400	1400
		Vallox Exxeo 2000	2000
		Vallox Exxeo 2500	2500
		Vallox Exxeo 4100	4100

The roof fans in the Vallox Exxeo range with different air volumes are Vallox Exxeo 150, 300, 700, 1400, 2000, 2500 and 4100. The roof fan suitable for the location is chosen according to the required air volume.



Vallox Exxeo roof fans can be painted to order in the factory to match the colour of the roof. The paint finish also provides additional protection against corrosion.

## Models with three different control methods

The new Vallox Exxeo roof fans come in three different models, according to the control method: **the basic model, the DPC model** and the **DS model**.

Ease of use is common for them all: the roof fan control equipment is fully integrated in the unit, protected inside their box behind the maintenance door. The roof fan is always delivered with the safety switch installed and cabled.

Both the basic model and the DPC model feature a controller panel equipped with a display and easy-to-use selection buttons. Using the control panel of the basic and DPC models, the fan can be set at a constant speed, it can be adjusted with 0-10 V control voltage, or 2-speed control (Low/High) can be used. The control panel can also be connected to a Modbus bus. In addition, the automation substation receives the on/off status and alarm information directly.

The Vallox Exxeo DPC model has an integrated differential pressure transmitter, used for controlling the roof fan with the duct constant pressure or air volume.

The basic model can be equipped with an external temperature sensor, so that the fan speed of the roof fan can be decreased as necessary in winter when the outdoor temperature falls. The DPC model can be mounted with two temperature sensors: one for outdoor air compensation and one for density adjustment of the duct air temperature.

Vallox Exxeo DS is a 2-speed model for renovation projects. The cable from the old distribution board (2 x 3-phase supply + PE) is connected to the safety switch. In this case, the contactor control that was in use can be utilized, and a new cable run is avoided.



*The control equipment is fully integrated inside the roof fan behind a safety door.*

### Basic model

- 2-speed or 0-10 V control and Modbus connection

### DPC model (Differential Pressure Control)

A model equipped with a differential pressure transmitter

- 2-speed or 0-10 V control and Modbus connection

### DS model (Dual Speed)

A model for renovation projects

- To replace old 3-phase 2-speed roof fans equipped with an AC motor

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**VALLOX**  
Exxeo  
DPC

**VALLOX**  
Exxeo  
DS

*The Vallox Exxeo roof fan range models feature three different control methods.*



Read more about the Vallox Exxeo roof fan range on our website!

Vallox Exxeo roof fans are made in Finland.

This guarantees good availability and quick delivery.



The zinc-magnesium coating protects the sheet metal against corrosion (environmental impact category C4).

The optional paint coating provides the roof fan surface with an additional layer of protection (environmental impact category C5).

The sealed tilting part delivered with the roof fan efficiently seals the fan against the roof penetration.

The roof fan may be installed on top of a penetration made on site or using the factory-made Vallox Exxeo roof penetration.

When replacing an old roof fan, the mounting frame (standard delivery) makes installing easier.

With lifting lugs, the roof fan can be lifted onto the roof easily and safely.

Rainwater is led to the side of the fan, and the perforated roof panel prevents leaves and other loose rubbish from entering the unit.

The control equipment is fully protected and integrated inside the roof fan behind a safety door.

The unit is delivered with the safety switch installed and cabled.

Excluding the two smallest sizes, the roof fans are ready to be directly connected to Modbus (not the DS model). The two smallest fans can also be controlled with a Modbus connection via a control panel card.

The sound dampening elements in the detachable side panels efficiently attenuate the sound penetrating the enclosure, ensuring that the roof fan is silent.



*The new modern design of the Vallox Exxeo roof fan range is based on the views of architects and our customers.*

Target group survey concerning the appearance of roof fans 01/2022.





### Comprehensive standard delivery

Vallox Exxeo roof fans are easy to store and deliver to the installation site as all the control equipment is integrated within the roof fan. The unit is delivered with the safety switch installed and cabled, and the tilting part is sealed.

A mounting frame is also included in the delivery.

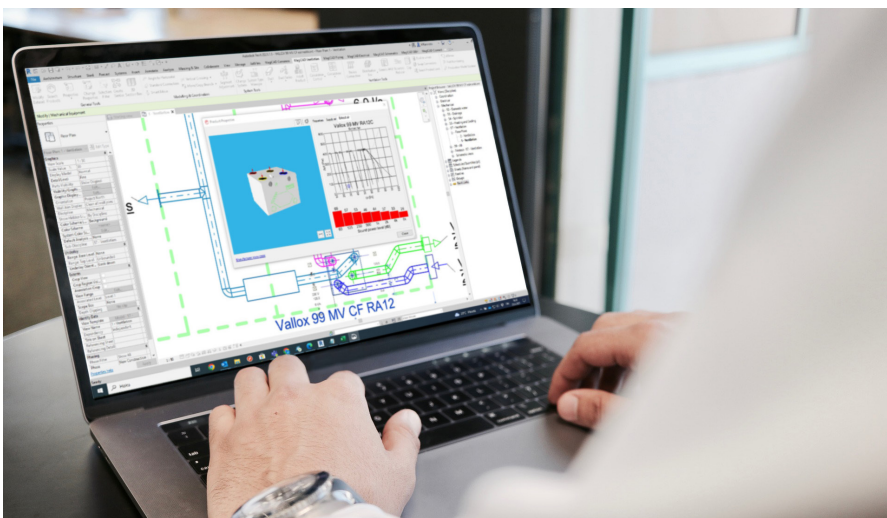
### Wide range of accessories

The accessories available for Vallox Exxeo roof fans include sensors for measuring the outdoor temperature, duct air temperature, humidity level, carbon dioxide level and VOC compound levels; a clock switch with a case for 2-speed control of the roof fan; and a potentiometer for 0-10V control of the fan.

### Technical support for professionals

The Vallox technical support team will assist professionals in questions related to ventilation design and the installation, setup and warranty servicing of the unit. Vallox website has a designing platform called ExxCEOSelect for designers.

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ExxCEOSelect



### Information to assist planning

The Vallox Exxeo roof fans can be found in the MagiCAD Cloud product database and they are available in the AutoCad and Revit software. In addition, the products can also be found in the Cadmatic HVAC software.

## PRODUCT NUMBERS AND LVI NUMBERS

Product name	Product number	LVI number	Product name	Product number	LVI number
<b>Basic model with EC controller:</b>			<b>THE ACCESSORIES:</b>		
Vallox Exxeo 150	4117586	7815099	Vallox Exxeo clock switch	986020	7815235
Vallox Exxeo 300	4117015	7815102	Vallox Exxeo potentiometer	986010	7815236
Vallox Exxeo 700	4118660	7815105	Vallox Exxeo Rh transmitter	986040	7815237
Vallox Exxeo 1400	4118795	7815108	Vallox Exxeo VOC transmitter	949078	7815238
Vallox Exxeo 2000	4118796	7815111	Vallox Exxeo CO2 transmitter	949077	7815239
Vallox Exxeo 2500	4118778	7815114	Vallox Exxeo wall-mounted temperature sensor	986030	7815240
Vallox Exxeo 4100	4118779	7815117	Vallox Exxeo duct-mounted temperature sensor	998238	7815241
<b>DUAL SPEED MODEL FOR RENOVATION PROJECTS:</b>			Vallox Exxeo 150 roof penetration	4121409	7815242
Vallox Exxeo 150 DS	4118736	7815101	Vallox Exxeo 300/700 roof penetration	4120165	7815243
Vallox Exxeo 300 DS	4118813	7815104	Vallox Exxeo 1400/2000 roof penetration	4121527	7815244
Vallox Exxeo 700 DS	4118815	7815107	Vallox Exxeo 2500/4100 roof penetration	4121535	7815245
Vallox Exxeo 1400 DS	4118797	7815110	Vallox Exxeo 150 under pressure damper	4121511	7815246
Vallox Exxeo 2000 DS	4118798	7815113	Vallox Exxeo 300/700 under pressure damper	4121506	7815247
Vallox Exxeo 2500 DS	4118780	7815116	Vallox Exxeo 1400/2000 under pressure damper	4121486	7815248
Vallox Exxeo 4100 DS	4118781	7815119	Vallox Exxeo 2500/4100 under pressure damper	4121447	7815249
<b>A MODEL EQUIPPED WITH A DIFFERENTIAL PRESSURE TRANSMITTER:</b>			Vallox Exxeo RAL colour		
Vallox Exxeo 150 DPC	4118737	7815100			
Vallox Exxeo 300 DPC	4118814	7815103			
Vallox Exxeo 700 DPC	4118816	7815106			
Vallox Exxeo 1400 DPC	4119852	7815109			
Vallox Exxeo 2000 DPC	4119854	7815112			
Vallox Exxeo 2500 DPC	4118782	7815115			
Vallox Exxeo 4100 DPC	4118783	7815118			

## TECHNICAL SPECIFICATIONS

Model	Weight kg	Electrical connection	Power taken from the network P1 kW	Power (A)	Fan enclosure protection class	Control
Vallox Exxeo 150	20	1~ 230 VAC, 50 Hz	0.085	0.7	IP54	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 150 DS	23	1~ 230 VAC, 50 Hz	0.085	0.7	IP54	Similar to an old AC dual speed roof fan
Vallox Exxeo 150 DPC	20	1~ 230 VAC, 50 Hz	0.085	0.7	IP54	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 300	29	1~ 230 VAC, 50 Hz	0.170	1.4	IP54	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 300 DS	32	1~ 230 VAC, 50 Hz	0.170	1.4	IP54	Similar to an old AC dual speed roof fan
Vallox Exxeo 300 DPC	29	1~ 230 VAC, 50 Hz	0.170	1.4	IP54	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 700	32	1~ 230 VAC, 50 Hz	0.440	2.2	IP54	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 700 DS	35	1~ 230 VAC, 50 Hz	0.440	2.2	IP54	Similar to an old AC dual speed roof fan
Vallox Exxeo 700 DPC	32	1~ 230 VAC, 50 Hz	0.440	2.2	IP54	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 1400	68	1~ 230 VAC, 50 Hz	0.800	4.0	IP54	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 1400 DS	70	1~ 230 VAC, 50 Hz	0.800	4.0	IP54	Similar to an old AC dual speed roof fan
Vallox Exxeo 1400 DPC	68	1~ 230 VAC, 50 Hz	0.800	4.0	IP54	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 2000	73	3~ 400 VAC, 50 Hz	1.100	1.8	IP55	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 2000 DS	75	3~ 400 VAC, 50 Hz	1.100	1.8	IP55	Similar to an old AC dual speed roof fan
Vallox Exxeo 2000 DPC	73	3~ 400 VAC, 50 Hz	1.100	1.8	IP55	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 2500	99	3~ 400 VAC, 50 Hz	1.100	1.85	IP55	2-speed or 0–10 V control and Modbus connection
Vallox Exxeo 2500 DS	101	3~ 400 VAC, 50 Hz	1.100	1.85	IP55	Similar to an old AC dual speed roof fan
Vallox Exxeo 2500 DPC	99	3~ 400 VAC, 50 Hz	1.100	1.85	IP55	2-speed or 0–10 V control, pressure and air volume control and Modbus connection
Vallox Exxeo 4100	107	3~ 400 VAC, 50 Hz	3.500	5.6	IP55	2-point or 0–10 V control and Modbus connection
Vallox Exxeo 4100 DS	109	3~ 400 VAC, 50 Hz	3.500	5.6	IP55	Similar to an old AC dual speed roof fan
Vallox Exxeo 4100 DPC	107	3~ 400 VAC, 50 Hz	3.500	5.6	IP55	2-speed or 0–10 V control, pressure and air volume control and Modbus connection

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[www.vallox.com](http://www.vallox.com)

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