



Trust in LUNOS

Fresh air for generations

Quality is what stands the test of time

LUNOS Lüftungstechnik GmbH für Raumluftsysteme is a Berlin-based company and market leader for decentralised residential ventilation systems. The company was founded in 1959 and is still based in Berlin-Spandau. In 2019 a second location was opened in Brandenburg. This created even more expansion opportunities for the company, which manufactures its products Made in Germany and sells them in over 36 countries worldwide. In Germany, the products are sold through the three-level distribution channel.

LUNOS stands for more than a living climate

The core competencies of LUNOS lie in decentralised controlled residential ventilation with and without heat recovery, as well as in the development and manufacture of energy-efficient fans and outer wall air vents. LUNOS can draw on over 60 years of experience with axial fans. Over the decades, we have continuously developed these special fans used for exhaust air systems. In the first years of the company's history the air could still easily flow in through leaks in the outer walls. Later the first outer wall air vents, then called ZL (for Zuluft = supply air), were developed to bring fresh air into the home in a more controlled manner. With the advent of exhaust air units with pressure-constant radial motors and the publication of new regulations for denser, energy-saving housing construction methods, LUNOS once again launched a new ALD generation onto the market. We have been setting standards by means of this proactive approach - the next generation is always just one decisive development step away.

The LUNOS exhaust air system, always ahead of its time.

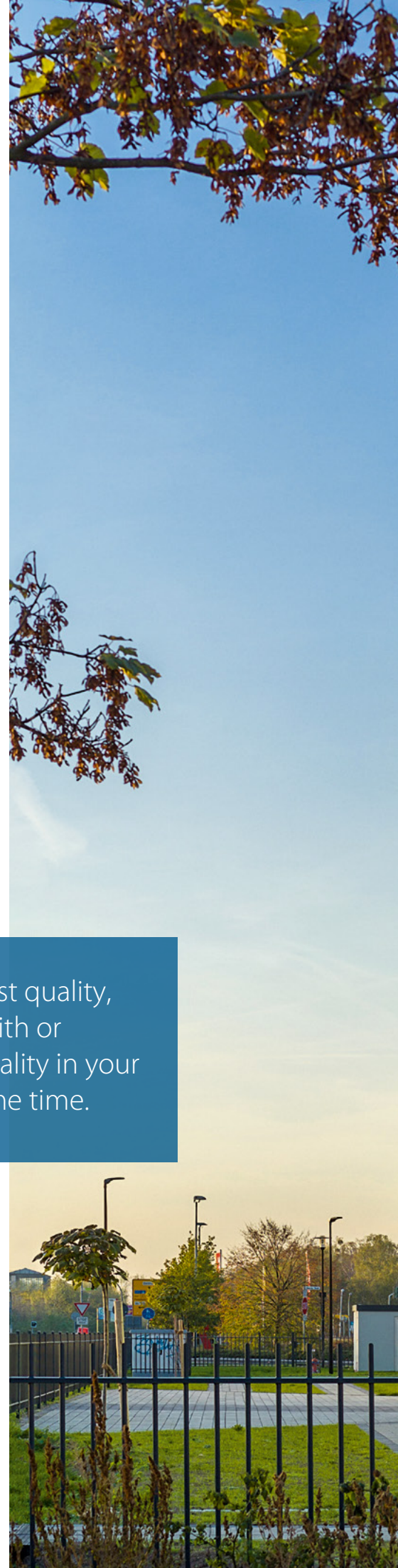
For decades LUNOS has been standing for highest quality, functionality and comfort. Ventilation systems, with or without heat recovery, improve the indoor air quality in your home and save energy in everyday life at the same time.

Made in Germany



INFORMATION

On our homepage www.lunos.de you will find data sheets, user information and much more.

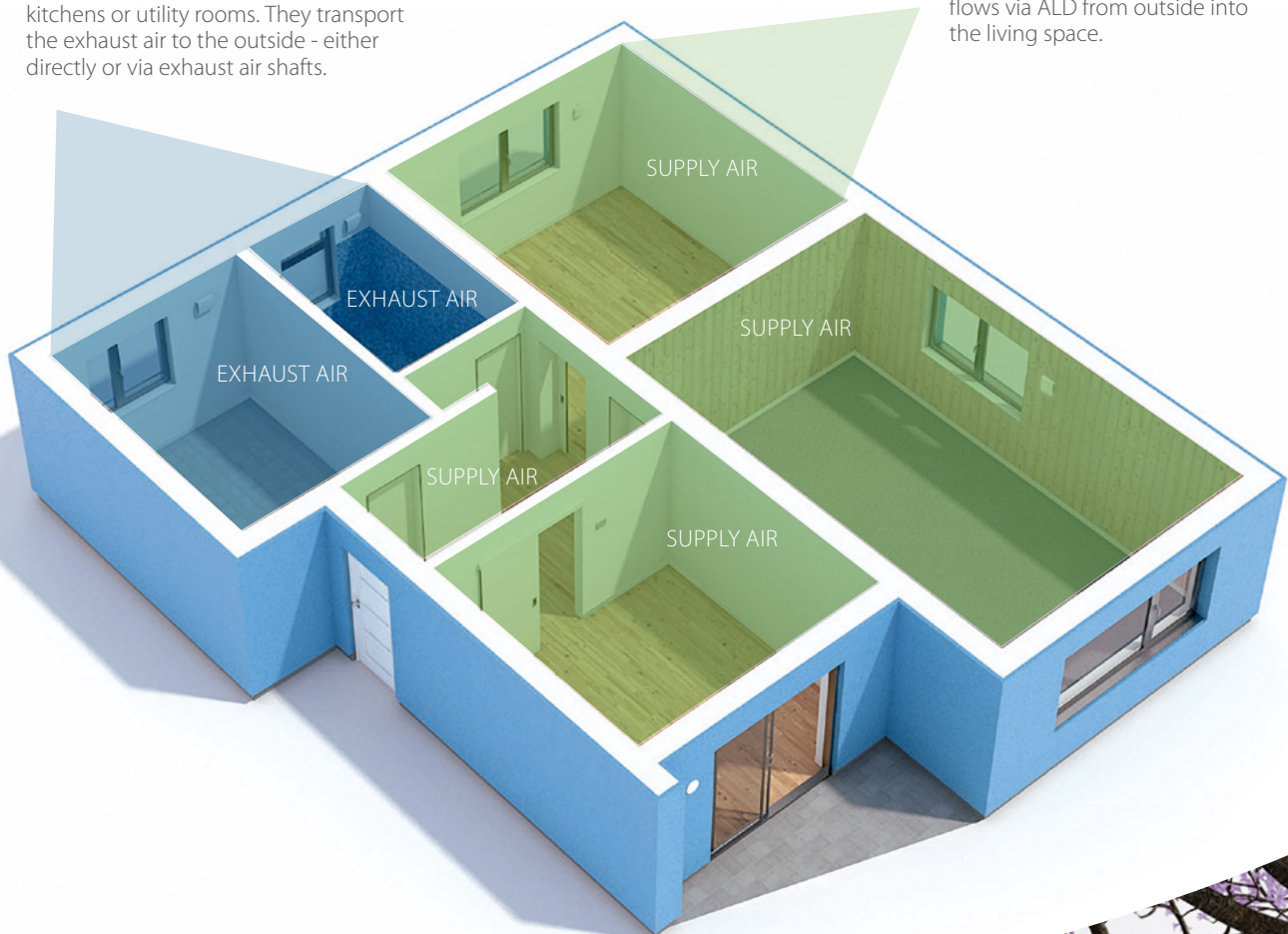




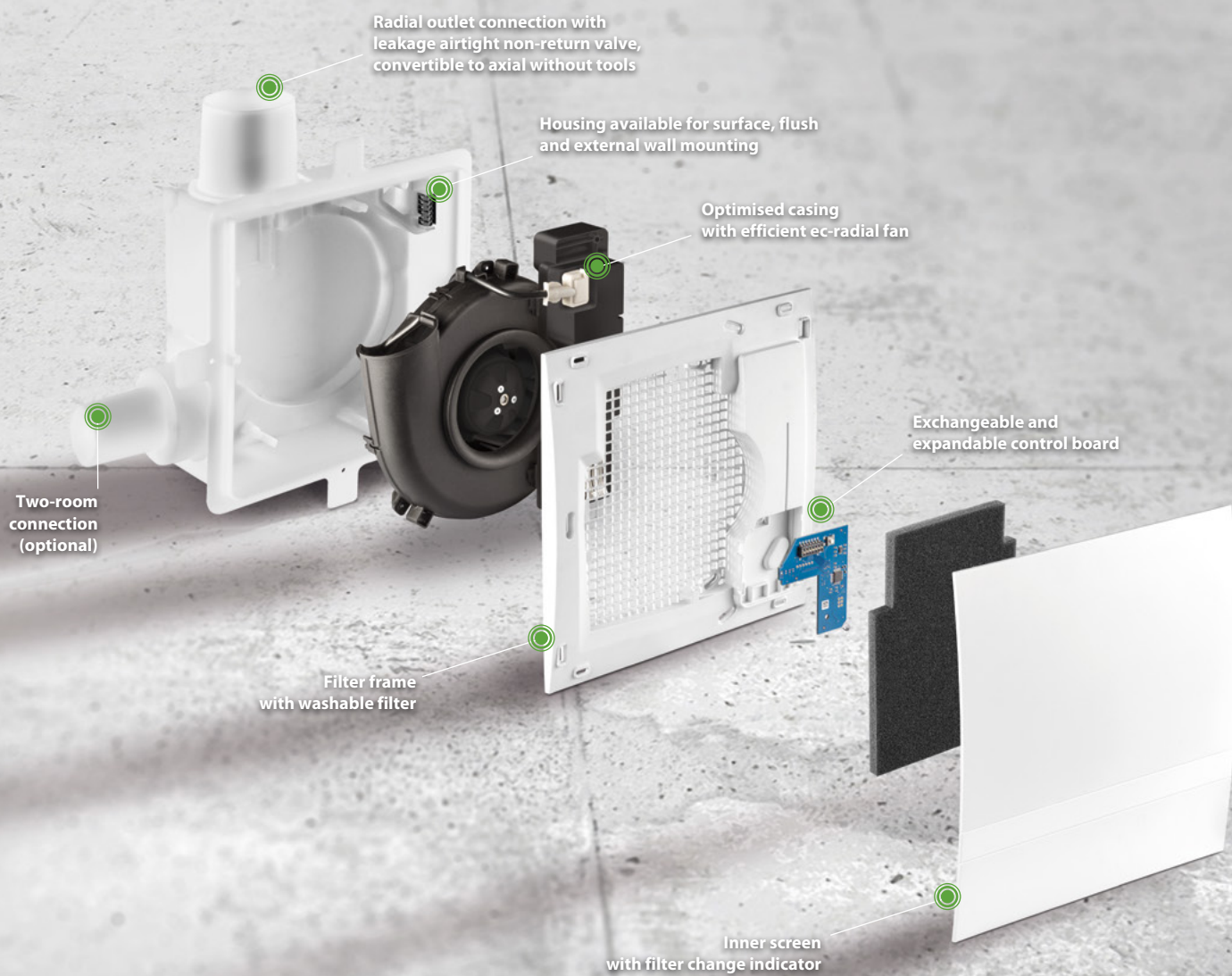
01 EXHAUST SYSTEM

Exhaust air systems are highly suitable for functional rooms such as bathrooms, kitchens or utility rooms. They transport the exhaust air to the outside - either directly or via exhaust air shafts.

In the supply air area, the fresh air flows via ALD from outside into the living space.



Silvento ec



Silvento ec

One motor - endless solutions



Determine the functions of the Silvento ec simply by selecting the control board:

Basic board: Seven ventilation stages from 15 to 90 m³/h with time lag, interval switching and switch-on delay configurable

Comfort board: Basic board plus humidity and temperature sensor

Both boards can each be combined with a plug-in expansion module:

Movement sensor module: With radar-based sensor

Wireless module: Control via wireless module without further cabling

The sound power level is only 18 dB(A) at 15 m³/h (basic ventilation) and 52 dB(A) at 90 m³/h (demand ventilation)

Dimensions: Surface-mounted with 260 x 260 x 108 mm (W x H x D), cover with 260 x 260 x 23 mm and flush-mounted housing with 235 x 235 x 92 mm

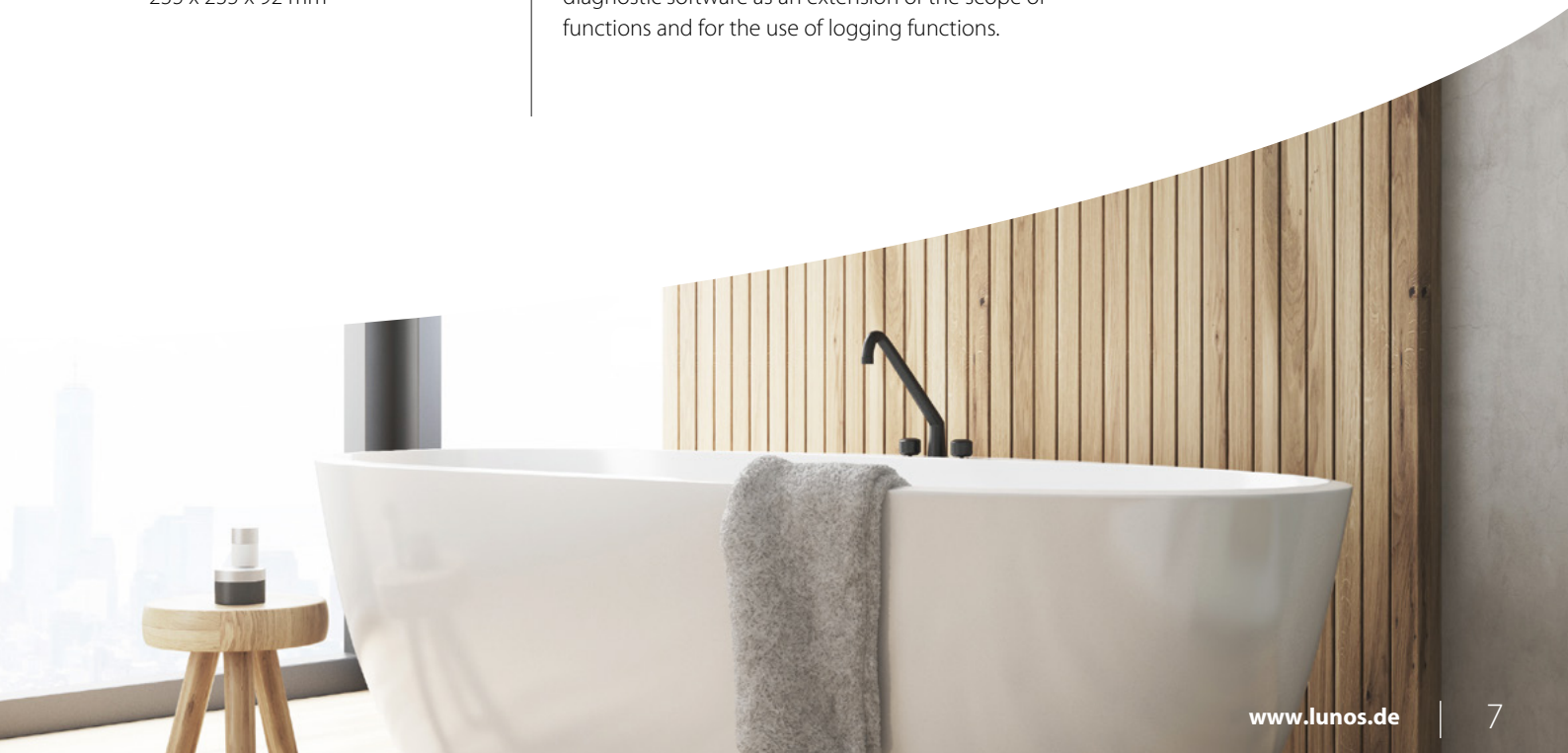
SILVENTO EC TECHNICAL DATA

Type of Silvento <i>V-EC¹⁾ or KL-EC²⁾</i>	Basic board 5/EC-Z1 (90)	Comfort board 5/EC-FK (90)
Volume flow	0/15/20/30/40/45/ 50/60/(90) m ³ /h	0 - 60 (90) m ³ /h
Sound power level L_W^{* 3)}	from 18 dB(A)	
Power consumption³⁾	1,8 - 6,2 (14,5) W	
Supply voltage	200 - 240 V AC 50/60 Hz	
Control voltage	0 - 10 V DC	
Protection class	IPX5	

1) Silvento V are ventilator inserts that still require a flush or surface-mounted housing. **2)** Silvento KL are complete single-pipe fans that are clamped in pre-wall constructions. Silvento KL single-pipe fans fit into the flush-mounted housings of the LUNOS Skalar series. **3)** Free blowing * Sound power level: The sound power level indicates how "loud" a unit is. The value is independent of the distance.

Recommendation

LUNOS recommends the use of the newly developed diagnostic software as an extension of the scope of functions and for the use of logging functions.



Silvento ec V-EC & KL-EC

the modular system for fan trays and terminal fans

The control boards are integrated in the filter frame and can be easily configured and replaced if necessary by removing the cover. There is a slot on both the basic board and the comfort board, which can be equipped with an additional module.



Basic board	Comfort board
Selection of different volume flows for basic ventilation and demand ventilation possible: 15/20/30/40/45/50/60/(90)	
Time delay configurable to 0, 15 or 30 minutes	
Interval switching: 30 minutes ventilation every four hours or 15 minutes ventilation every two hours	
Switch-on delay can be set to OFF, 45 or 120 seconds	
Slot for an additional module: - Radar based motion detector 5/BM or - FM-EO wireless module or - Diagnostic cable	
Filter change indicator	
	Stepless comfort humidity-temperature control

Cellar ventilation

The Silvento ec with the suitable board is the new, innovative solution for cellar ventilation from LUNOS. It ensures clean and hygienic ventilation of the cellar area. Comfort and a pleasant room climate can thus be easily achieved. Commissioning takes place in conjunction with the Type 5/EC-KE board and the Type 5/W2 FK switch. The fan permanently records the air humidity and forms an average value which can be achieved by ventilation. A permanent voltage is required for this.

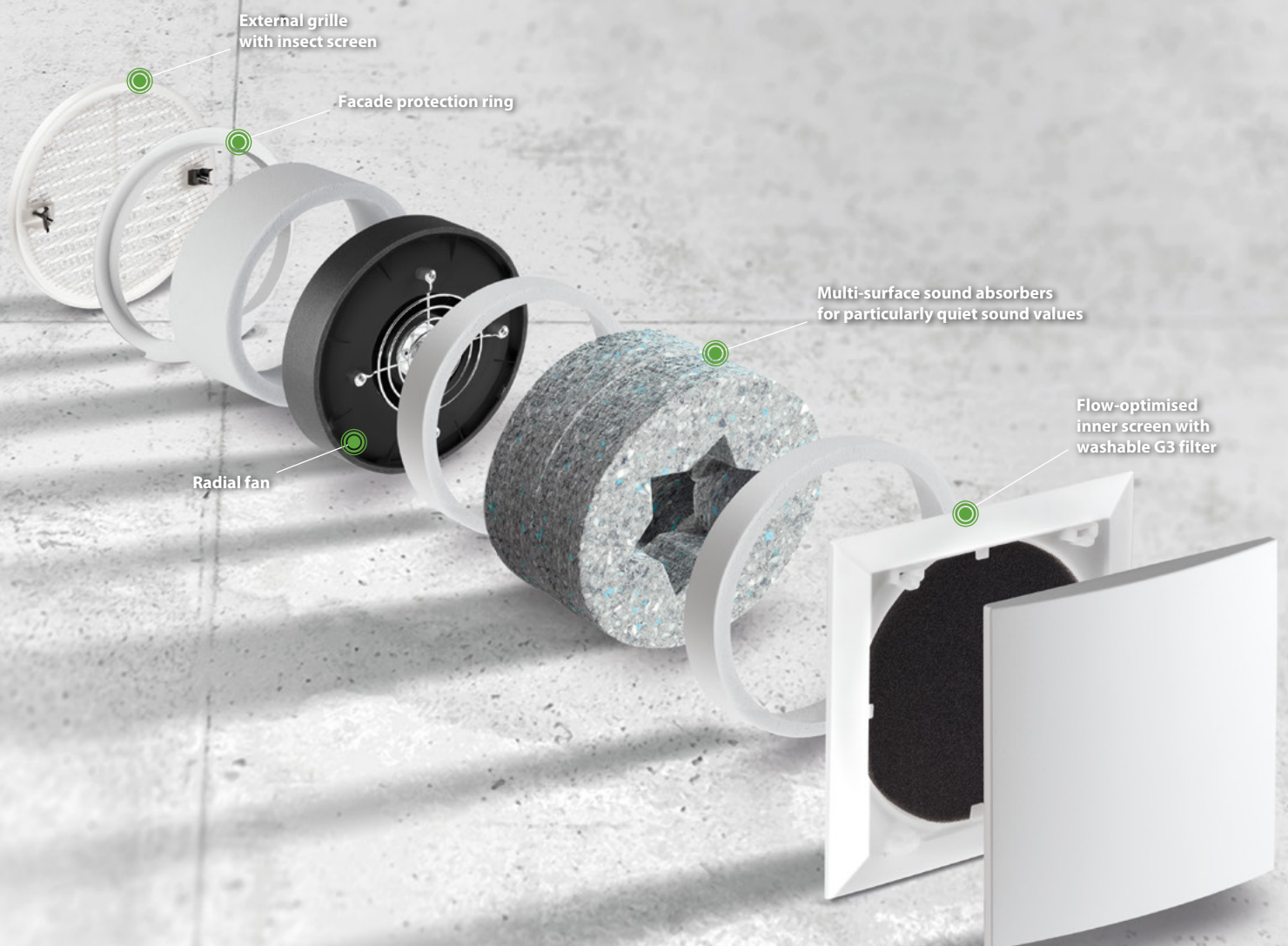


RA 15-60



Radial fan

The combination of consistency of pressure and renovation simplicity



RA 15-60

Perfect for outside exhaust air rooms



Exhaust air unit with ec motor, can also be combined with the LUNOtherm facade element.

The RA 15-60 owes its extraordinarily good pressure characteristic curve to the radial ec motor in combination with a very stable housing. In addition, the multi-surface sound absorbers give the RA 15-60 undreamt-of low running noise as well as optimal sound insulation from the outside.

With the aid of a LUNOS control system it is possible to operate the motor with humidity control and/or time functions.

Can be combined with inner screens of the 160 series



Standard
Inner screen



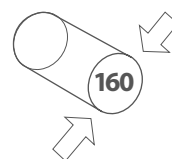
Comfort Inner screen
(plastic design)



Comfort Inner screen
(glass design)



Sound insulation
Inner screen



EXHAUST AIR

TECHNICAL DATA

Volume flow
15 - 60 m³/h

Sound power level* L_W
from 24 dB(A)

Power consumption
0,6 - 7,2 W

Supply voltage
12 V DC SELV

Core drilling
Ø 162 mm

Minimum installation length
180 mm

Dimensions
Ø 154 x 147 mm

Protection class
IP20

* Sound power level:
The sound power level indicates how "loud" a device is. The value is independent of the distance.

RA 15-60

Outer wall air vents

For renovation and new construction -
sound-optimised and weatherproof



Outer wall air vents

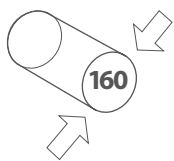
Comfortable climate in tight buildings



Inner and outer city traffic affects our home climate.

For a high level of living comfort, it is essential to integrate well thought-out sound insulation measures in wall construction, windows and fresh air supply.

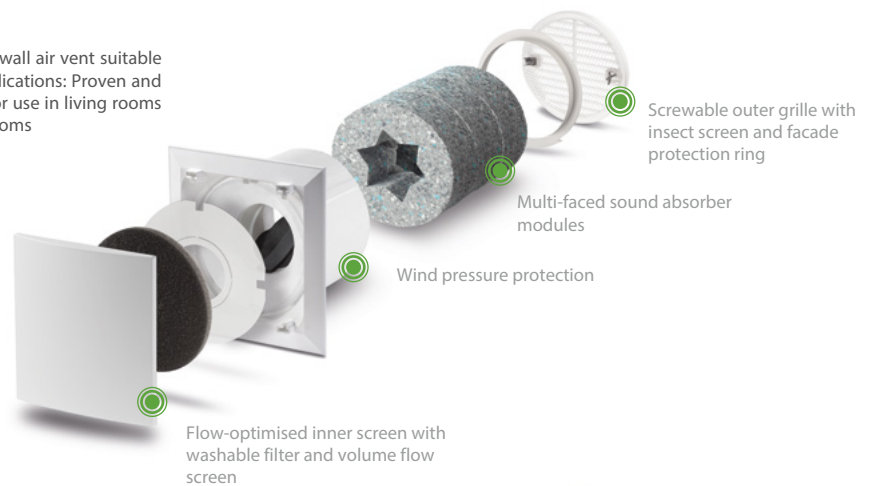
Due to the high sound insulation dimensions, the LUNOS ventilation system achieves an air exchange without significant losses in the quality of living. The outer wall air vents ALD, ALD-SV and ALD-S serve as passive air supply for living rooms and bedrooms. They are mainly used in combination with LUNOS exhaust air units of the Silvento range. A constant negative pressure is created by the exhaust air in the functional rooms, such as the bathroom and kitchen, which transports fresh air into the house via the outer wall air vents. When planned in accordance with standards, this ensures user-independent ventilation in accordance with DIN 1946-6.



SUPPLY AIR

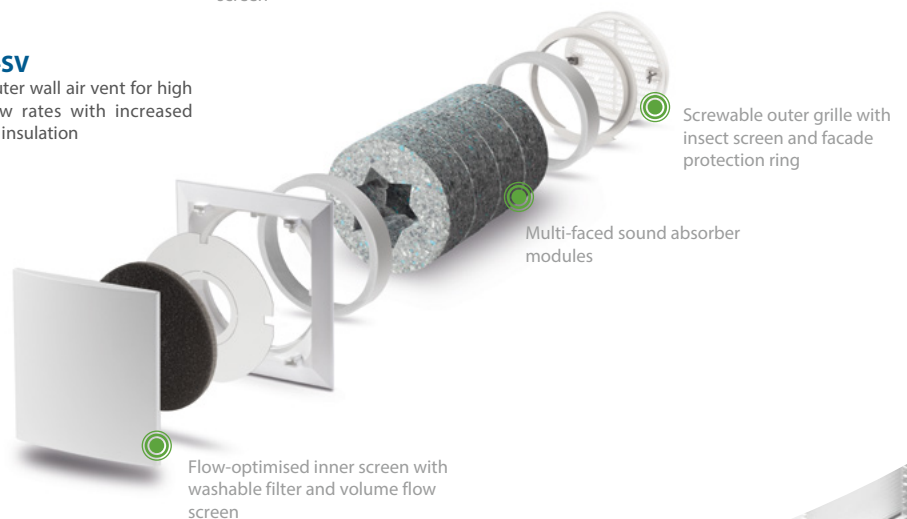
ALD

The outer wall air vent suitable for all applications: Proven and efficient for use in living rooms and bedrooms



ALD-SV

The outer wall air vent for high air flow rates with increased sound insulation



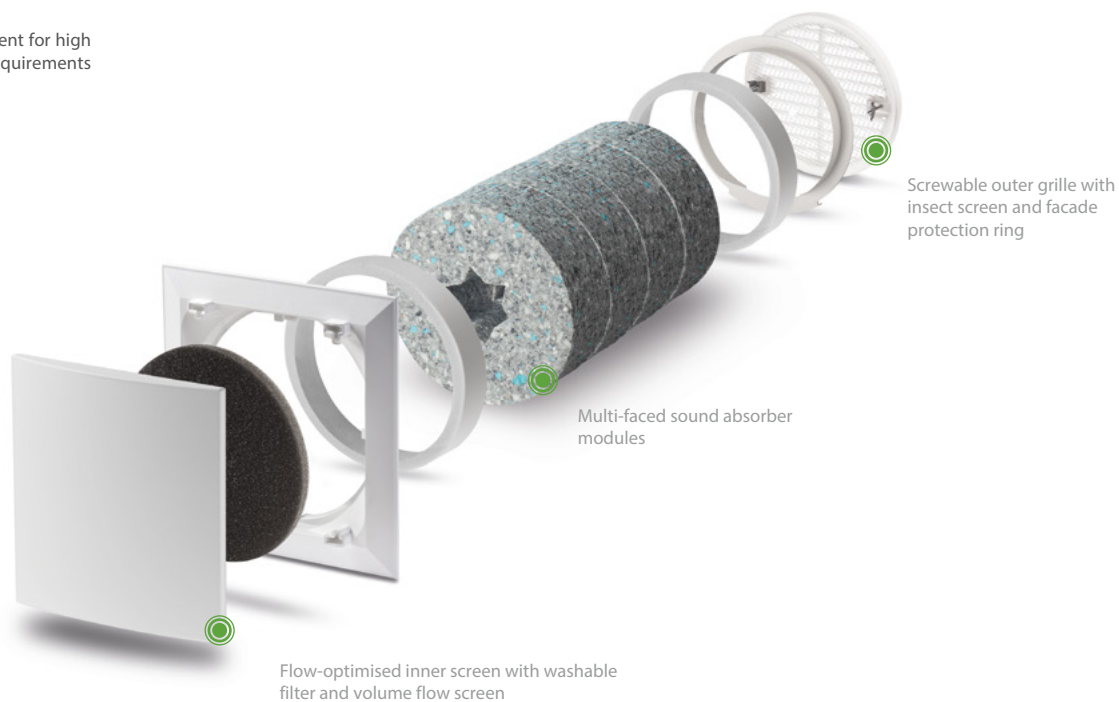
Outer wall air vents

Comfortable climate in tight buildings



ALD-S

The outer wall air vent for high noise protection requirements



Can be combined with inner screens of the 160 series



Standard Inner screen



Comfort Inner screen (plastic design)



Comfort Inner screen (glass design)



Sound insulation Inner screen



Hygiene Inner screen incl. F7 filter



Hygiene Inner screen incl. F7 filter

Outer wall air vents

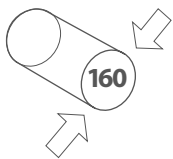
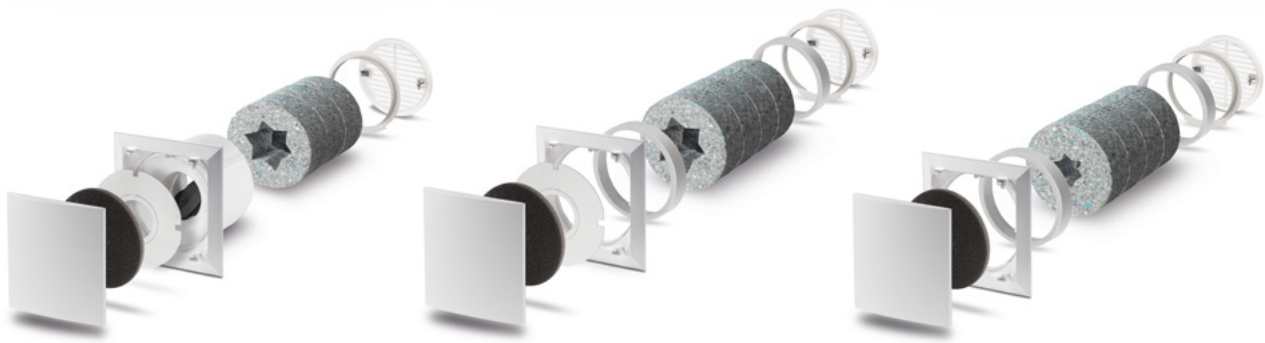
Technical data

ALD									
Length of built-in unit: 360 mm Ø: 154 mm									
V:	<table border="0"> <tr> <td>at 8 Pa</td> <td>at 4 Pa</td> </tr> <tr> <td>25 m³/h</td> <td>18 m³/h</td> </tr> <tr> <td>20 m³/h</td> <td>13,5 m³/h</td> </tr> <tr> <td>15 m³/h</td> <td>10 m³/h</td> </tr> </table>	at 8 Pa	at 4 Pa	25 m ³ /h	18 m ³ /h	20 m ³ /h	13,5 m ³ /h	15 m ³ /h	10 m ³ /h
at 8 Pa	at 4 Pa								
25 m ³ /h	18 m ³ /h								
20 m ³ /h	13,5 m ³ /h								
15 m ³ /h	10 m ³ /h								
Sound insulation									
D _{n,e,w}	Wall thickness								
50 – 58 dB(A)	360 mm								
56 – 64 dB(A)	500 mm								

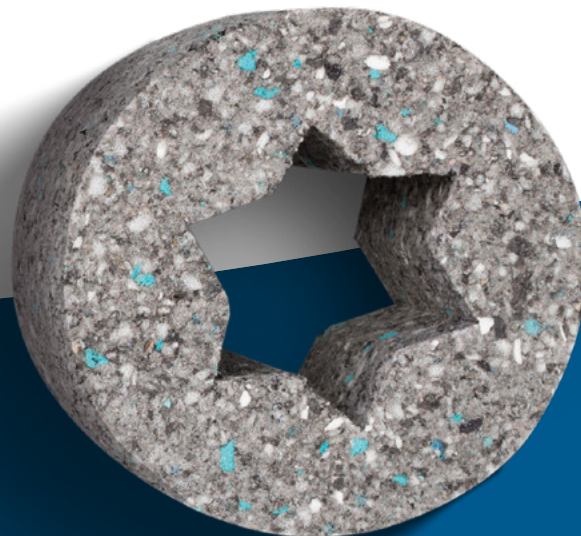
ALD-SV									
Length of built-in unit: 360 mm Ø: 154 mm									
V:	<table border="0"> <tr> <td>at 8 Pa</td> <td>at 4 Pa</td> </tr> <tr> <td>25 m³/h</td> <td>18 m³/h</td> </tr> <tr> <td>20 m³/h</td> <td>13,5 m³/h</td> </tr> <tr> <td>15 m³/h</td> <td>10 m³/h</td> </tr> </table>	at 8 Pa	at 4 Pa	25 m ³ /h	18 m ³ /h	20 m ³ /h	13,5 m ³ /h	15 m ³ /h	10 m ³ /h
at 8 Pa	at 4 Pa								
25 m ³ /h	18 m ³ /h								
20 m ³ /h	13,5 m ³ /h								
15 m ³ /h	10 m ³ /h								
Sound insulation									
D _{n,e,w}	Wall thickness								
53 – 61 dB(A)	360 mm								
61 – 67 dB(A)	500 mm								

ALD-S					
Length of built-in unit: 360 mm Ø: 154 mm					
V:	<table border="0"> <tr> <td>at 8 Pa</td> <td>at 4 Pa</td> </tr> <tr> <td>15 m³/h</td> <td>10 m³/h</td> </tr> </table>	at 8 Pa	at 4 Pa	15 m ³ /h	10 m ³ /h
at 8 Pa	at 4 Pa				
15 m ³ /h	10 m ³ /h				
Sound insulation					
D _{n,e,w}	Wall thickness				
55 – 67 dB(A)	360 mm				
67 – 71 dB(A)	500 mm				

The given sound insulation values apply to the above-mentioned volume flows with a round duct completely filled with sound absorbers.



SUPPLY AIR



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WWW.LUNOS.DE QUALITY IS THAT STANDS THE TEST OF TIME