



  
inVENTer

# PRODUCT OVERVIEW

# EXHAUST AIR SYSTEMS

Ventilation of bathrooms  
and storage rooms



[www.inventer.eu](http://www.inventer.eu)

# EXHAUST AIR SYSTEMS

FROM INVENTER



Living spaces, especially bathrooms, are subjected to lots of moisture. Lack of regular ventilation increases the risk of mould, which can be hazardous to your health as well as the structure of your home. But constantly opening the windows can be tiresome and is not always practical. This is where exhaust air systems combined with air inlets come into play. They ensure that you always have fresh air in your living spaces.

Air extraction systems are used in areas such as bathrooms, kitchens, and pantries and are equipped with powerful extractor fans. Quiet, needs-based venting protects your home from mould and moisture damage. Exhaust air units are most helpful in areas with moisture peaks where heat recovery is not required.



The fresh air diffusers from inVENTer allow controlled air flow into your living space and can be installed in new or existing homes. These air inlets are easy to integrate into outer walls and perfectly complement inVENTer extractor fans.







# INTERIOR ROOMS OR...



Interior rooms without windows are particularly susceptible to mould and moisture damage, since their only effective ventilation is mechanical.

So it is important to install the right ventilation devices there. These devices should comply with the relevant standards to ensure that they efficiently vent spaces such as interior bathrooms.

Ideal ventilation devices will have different air volume flows for continuous operation, customisable installation options, appropriate sensors, and optional fire-safe designs.

Exhaust air unit: Taris

Versions:

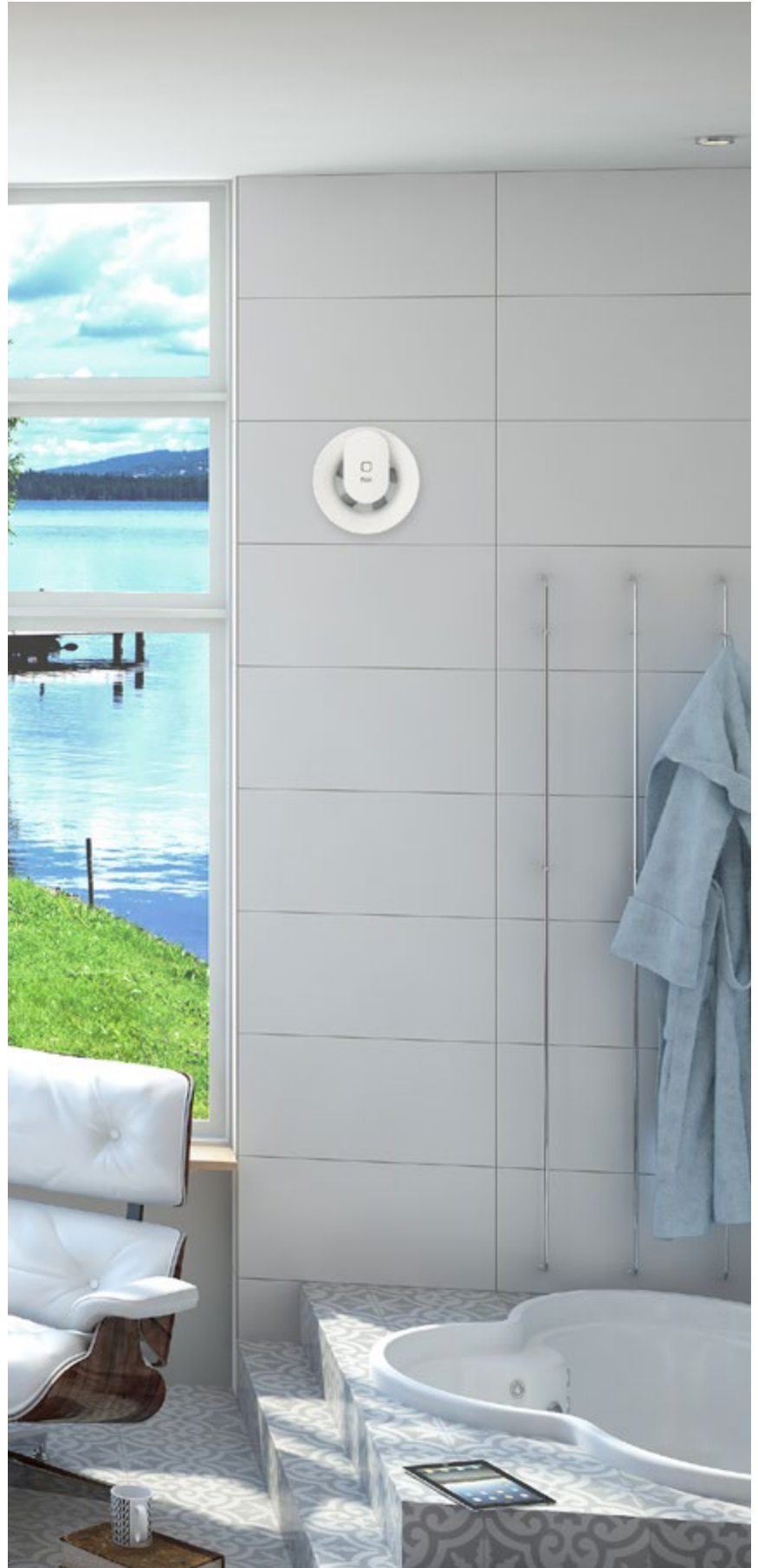
- Flush-mounted  
(fire-safe housing possible)
- Surface-mounted

# ...WITH OUTER WALL AND WINDOW

Moisture accumulates very quickly in bathrooms, but opening the window is often not the ideal way to eliminate excess moisture. Powerful exhaust air units with smart sensors are an excellent solution. Equipped with moisture, light, and even odour sensors, they maintain a comfortable indoor climate, even in small rooms such as bathrooms and laundry and storage rooms. The optional app enables you to conveniently customise ventilation settings.

Exhaust air units:

- Pulsar
- Pulsar Basic (without app)
- Aviant





# STRONG (AND QUIET!): TARIS



- Exhaust air volume flow options: 30/60, 60, and 100 m<sup>3</sup>/h
- Optional moisture and air quality sensors
- Surface-mounted or flush-mounted options
- Can be installed in the ceiling or wall
- Two-room connection possible
- Optional fire-safe housing

# STANDARD-COMPLIANT VENTILATION










The Taris exhaust air unit provides efficient protection from moisture in compliance with the DIN 18017-3 standard and is the ideal solution for extracting air from your living space. The Taris is exceptionally quiet and energy-efficient thanks to its brushless DC motor. Run-on control and switch-on delay are standard features for all versions. Combined with optional sensors, the Taris provides smart moisture control for comfort when you need it.

## TECHNICAL DETAILS

|  |  |
|--|--|
| Exhaust air volume flow [m <sup>3</sup> /h]                  | 60, 30/60, 100                         |
| Housing dimensions, flush-mounted, W x H x D [mm]            | 242 x 242 x 90                         |
| Housing dimensions, flush-mounted, fire-safe, W x H x D [mm] | 262 x 278 x 105                        |
| Housing dimensions, surface-mounted, W x H x D [mm]          | 256 x 256 x 97                         |
| Inner panel dimensions, W x H [mm]                           | 251 x 251                              |
| Mains voltage [V AC], [Hz]                                   | 230, 50                                |
| Power consumption [W]  | 19.5                                   |
| Sound pressure level, 30 m <sup>3</sup> /h, 2 m [dB(A)]      | Flush-mounted: 16, surface-mounted: 18 |
| Sound pressure level, 60 m <sup>3</sup> /h, 2 m [dB(A)]      | Flush-mounted: 27, surface-mounted: 31 |
| Sound pressure level, 100 m <sup>3</sup> /h, 2 m [dB(A)]     | Flush-mounted: 39, surface-mounted: 44 |
| Ingress protection/protection class                          | IPX5/II                                |

## PERFECT FOR MULTI-STOREY RESIDENTIAL BUILDINGS!

Required riser pipe diameter // Example: Taris with 60 m<sup>3</sup>/h

| One unit per floor |  | Two units per floor |  |
|--------------------|--|---------------------|--|
| Number of floors   | Riser pipe Ø   | Number of floors    |  |
| -                  |  Ø 280 mm | 15                  |  |
| 20                 |  Ø 250 mm | 12                  |  |
| 17                 |  Ø 225 mm | 10                  |  |
| 14                 |  Ø 200 mm | 8                   |  |
| 12                 |  Ø 180 mm | 7                   |  |
| 10                 |  Ø 160 mm | 5                   |  |
| 7                  |  Ø 140 mm | 4                   |  |
| 6                  |  Ø 125 mm | 3                   |  |
| 4                  |  Ø 100 mm | 2                   |  |



# IT HAS EVERYTHING YOU NEED!

## FLEXIBLE HOUSING

- Standard-sized housing
- Connects directly to the ventilation duct
- Radial or axial outlet available
- Optional fire-safe housing

## ULTRA-QUIET FAN

- Very low noise – just 16 dB(A)
- Different power options, including for continuous operation



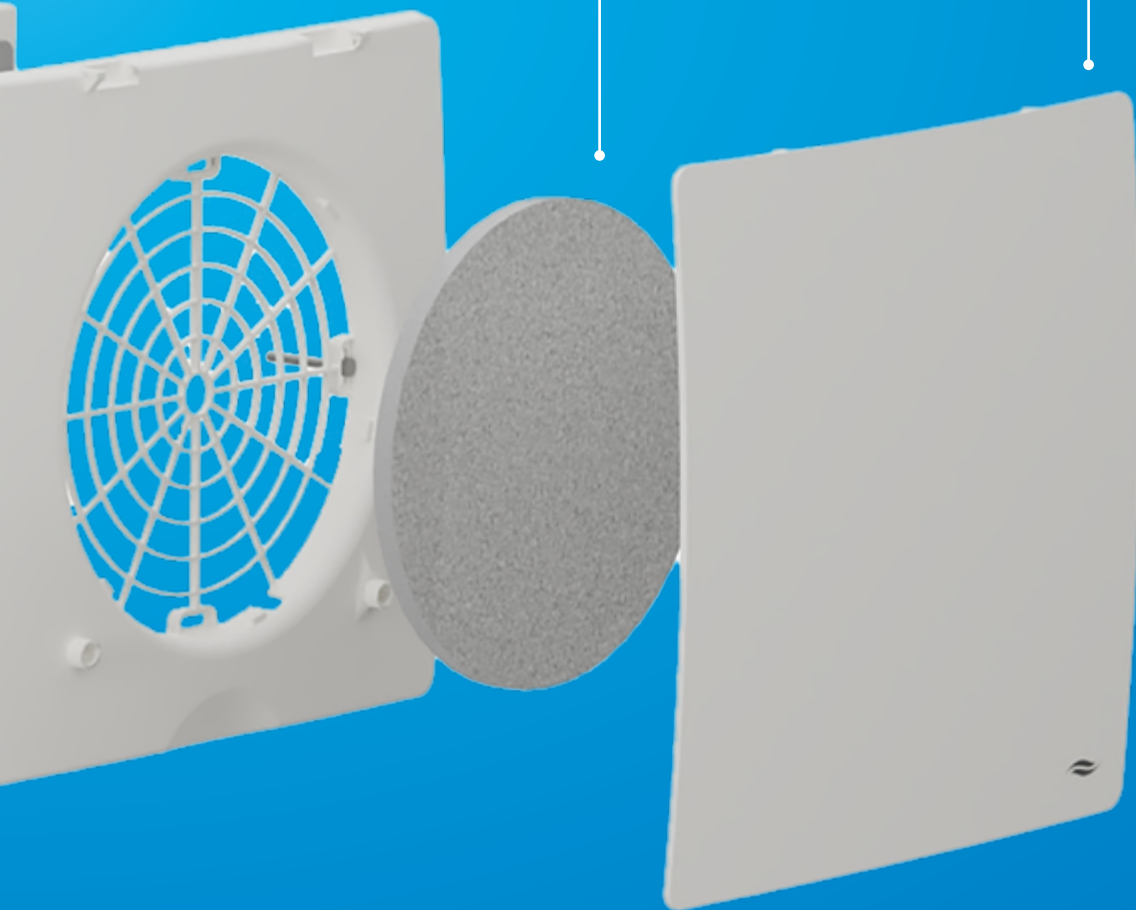


## EFFECTIVE FILTER

- Protects the fan from dirt
- Filter class:  
ISO Coarse 50%

## CHIC INNER PANEL

- Exceptionally flat design blends into any environment
- Easy to remove for maintenance



# BEST FRIENDS.

## EXHAUST AIR SYSTEMS AND FRESH AIR DIFFUSERS FROM INVENTER

A continuously operating exhaust air system ensures continuous air exchange and reliably removes moisture and toxins from the home. Appropriate air intake openings ensure that fresh air can flow in from outside and to prevent reduced air pressure. ALD fresh air diffusers are ideal for this and come equipped with a dust filter and protection from the wind. Pollen filters, fine particulate filters, and sound-insulating accessories can also be purchased separately to optimally complement the system.

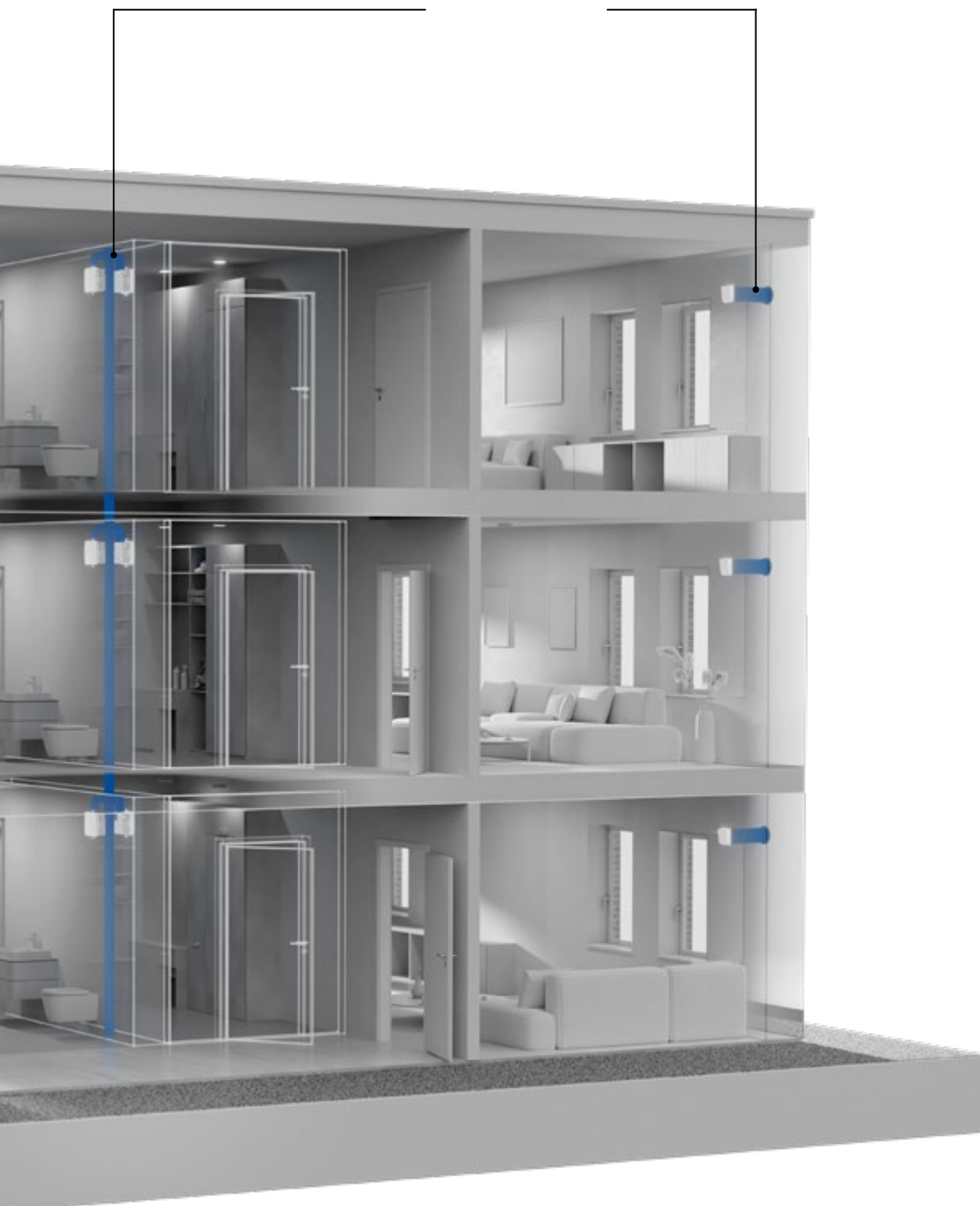


## TARIS EXHAUST AIR UNITS

Ducted exhaust ventilation

## AV160 ALD FRESH AIR DIFFUSERS

Controlled air intake



# THE FRESH AIR DIFFUSERS



## AV100 ALD

- Very compact with a diameter of only 100 mm
- Allows hand-held drilling
- Quick installation with optional wall installation block
- Pollen filter, fine particulate filter, and sound-insulating accessories available



## AV160 ALD

- Sound-insulated fresh air diffuser with Inventin®
- Incremental air intake level regulation of through the inner panel
- Can be upgraded to ventilation system with heat recovery
- Quick outer cover installation



## AV200 ALD

- Dual sound-insulating lining for enhanced noise protection
- Quick installation with optional wall installation block
- Can be upgraded to ventilation system with heat recovery
- Pollen filter available



## TECHNICAL DETAILS

|  |           |
|--|-----------|
| Minimum wall thickness including plaster [mm]    | 150       |
| Wall opening diameter [mm]                       | 115       |
| Wall mounting sleeve diameter [mm]               | 103       |
| Air volume flow 4 Pa [m <sup>3</sup> /h]         | 15        |
| Air volume flow 8 Pa [m <sup>3</sup> /h]         | 22        |
| Standard sound level difference [dB]             | 33 – 59   |
| Inner panel dimensions, W x H [mm]               | 160 x 160 |
| Weather protection grille dimensions, W x H [mm] | 150 x 150 |

### VERSIONS:

- aV100 ALD
- aV100 ALD Plus
- aV100 ALD Corner
- aV100 ALD Nordic

|  |           |
|--|-----------|
| Minimum wall thickness including plaster [mm]    | 150       |
| Wall opening diameter [mm]                       | 180       |
| Wall mounting sleeve diameter [mm]               | 160       |
| Air volume flow 4 Pa [m <sup>3</sup> /h]         | 18        |
| Air volume flow 8 Pa [m <sup>3</sup> /h]         | 24        |
| Standard sound level difference [dB]             | 51 – 61   |
| Inner panel dimensions, W x H [mm]               | 220 x 220 |
| Weather protection grille dimensions, W x H [mm] | 200       |

### VERSIONS:

- aV160 ALD Light
- aV160 ALD Plus
- aV160 ALD Corner
- aV160 ALD Nordic

|  |           |
|--|-----------|
| Minimum wall thickness including plaster [mm]    | 150       |
| Wall opening diameter [mm]                       | 225       |
| Wall mounting sleeve diameter [mm]               | 200       |
| Air volume flow 4 Pa [m <sup>3</sup> /h]         | 17        |
| Air volume flow 8 Pa [m <sup>3</sup> /h]         | 26        |
| Standard sound level difference [dB]             | 55 – 56   |
| Inner panel dimensions, W x H [mm]               | 233 x 233 |
| Weather protection grille dimensions, W x H [mm] | 279 x 313 |

### VERSIONS:

- aV200 ALD
- aV200 ALD Corner
- aV200 ALD Nordic





# APP-CONTROLLED



In the digital age, many everyday things are controlled by an app – why not your ventilation system? The free, intuitive “inVENTer Mobile” app enables you to easily control your system over Bluetooth. You can customise run times, fan speeds, and sensor sensitivity to adapt the ventilation even more precisely to your specific requirements.

▶ “INVENTER MOBILE” APP



# WINNERS: PULSAR AND AVIANT



reddot award 2019  
winner

- Smart and simple operation with the "inVENTer Mobile" app
- Outer wall installation with the Simplex wall installation system
- Various exteriors available, from classic to discreet
- Uncomplicated cleaning and maintenance with direct access to the fan
- Ventilation when you need it thanks to integrated sensors



# APP-CONTROLLED VENTILATION



Now available in black!

The Pulsar is an innovative extractor fan for installation in the ceiling or outer wall. The powerful system is extremely quiet with a futuristic design, and its standard equipment includes both a moisture sensor and a light sensor. The Pulsar Basic has predefined air volume flows and automatically adjusts ventilation as needed.

## TECHNICAL DETAILS // PULSAR (BASIC)

|                                     |            |
|-------------------------------------|------------|
| Exhaust air volume flow [m³/h]      | 110        |
| Housing dimensions, Ø [mm]          | 177        |
| Wall mounting sleeve diameter [mm]  | 100 – 140  |
| Input voltage [V AC, Hz/V DC]       | 230, 50/12 |
| Power consumption [W]               | 4          |
| Sound pressure level [dB (A)]       | 17 – 20    |
| Ingress protection/protection class | IP44/II    |



With cover (inner panel)

Without cover (inner panel)

The multifunctional Aviant is the latest generation of premium exhaust air units. It is used wherever large amounts of moisture must be handled quickly. With its subtle, modern design, it is well suited for ceiling or wall installation.

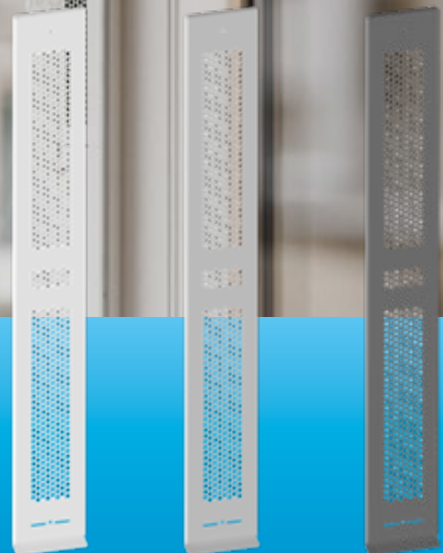
## TECHNICAL DETAILS // AVIANT

|                                     |                          |
|-------------------------------------|--------------------------|
| Exhaust air volume flow [m³/h]      | 95/115 (w/o inner panel) |
| Housing dimensions, W x H [mm]      | 182 x 157                |
| Wall mounting sleeve diameter [mm]  | 100/125                  |
| Input voltage [V AC, Hz/V DC]       | 230, 50                  |
| Power consumption [W]               | 5                        |
| Sound pressure level [dB (A)]       | 17 – 20                  |
| Ingress protection/protection class | IP44/II                  |

# BEAUTY FROM WITHIN AND WITHOUT



PLUS: WEATHER PROTECTION HOOD



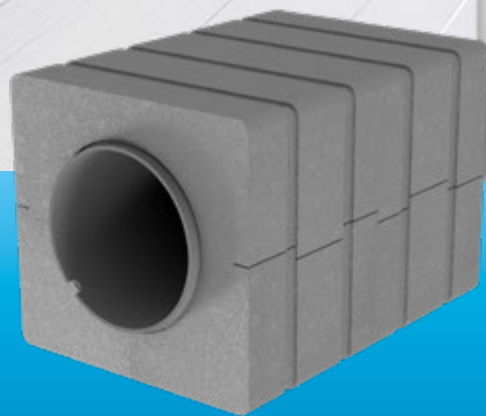
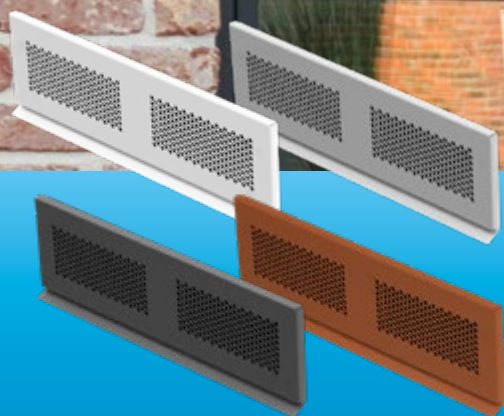
CORNER: WINDOW REVEAL

- Exterior protection from driving rain
- Standard options available: white (RAL 9016), grey (RAL9006), and charcoal (RAL7016)

▶ aV100 Plus wall mounting kit  
aV100 ALD Plus  
aV160 ALD  
aV200 ALD

- Discreet grille for window reveal
- Standard options available: white (RAL 9016), grey (RAL9006), and charcoal (RAL7016)

▶ aV100 Corner wall mounting kit  
aV100 ALD Corner  
aV160 ALD Corner  
aV200 ALD Corner



## NORDIC: DISCREET GRILLE

## QUICK INSTALLATION WITH SIMPLEX

- Grille in standard brick size for brick buildings and external insulation systems
- White (RAL 9016), grey (RAL9006), charcoal (RAL7016), copper-brown (RAL 8004)

- Wall installation system with pre-installed wall mounting sleeve and integrated slope
- Height: that of common bricks
- Custom-made for each project

▶ aV100 Nordic wall mounting kit  
 aV100 ALD Nordic  
 aV160 ALD Nordic  
 aV200 ALD Nordic

▶ Pipe diameter:  
 Simplex 100 mm  
 Simplex 160 mm  
 Simplex 200 mm



inVENTer GmbH  
Ortsstraße 4a  
D-07751 Löberschütz,  
Germany

+49 (0) 36427 211-0  
info@inventer.eu  
www.inventer.eu

Item number 6001-0065  
Version 09/2024  
Subject to technical changes without  
notice. No liability for printing errors.



Discover the world of inVENTer ventilation  
at [www.inventer.eu](http://www.inventer.eu)  
#pureventilation



---

For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

**As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.**



**Call us**

**Great Britain** +44 (0)1228 711511

**Ireland** +353 46 9432104



**Email us**

[info@ecologicalbuildingsystems.com](mailto:info@ecologicalbuildingsystems.com)



**Find us**

**Great Britain** Ecological Building Systems UK Ltd.,  
Cardewlees, Carlisle, Cumbria, CA5 6LF,  
United Kingdom

**Ireland** Ecological Building Systems Ltd.,  
Main Street, Athboy. Co. Meath, C15 Y678,  
Republic of Ireland