



**GEALAN**  
INNOVATION MIT SYSTEM

GEALAN-CAIRE® Aereco

Moisture-controlled outdoor  
component air passages (OAP)

A precise fresh  
air supply

# Ventilation exactly as required

## HUMIDITY SENSORS ENSURE OPTIMISED AIR EXCHANGE

### Automatic and energy-efficient

GEALAN-CAIRE® Aereco ventilates rooms exactly as required. The supply air volume flow is controlled automatically and independently of the operator via a mechanical humidity sensor. This ensures safe room dehumidification. A power supply is not required. GEALAN-CAIRE® Aereco can also be used as an outdoor air passage without any problems, whether in conjunction with shaft ventilation or exhaust air systems. For increased sound insulation requirements, the GEALAN-CAIRE® Aereco fan series offers special acoustic base plates that improve sound insulation performance.

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- Air duct for bridging the profile chambers

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### Weather protection covers:

- Various construction depths
- Optionally with acoustic damping
- Optionally with air volume limiter
- With insect screen

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### Opening flap:

Allows fresh air to flow in depending on the measured relative room humidity

1

### Moisture-controlled OAP in several versions:

- With/without locking lever
- With/without base plate

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### Mechanical humidity sensor:

- Measures the relative humidity in the room
- Moves the opening flap by changing its length and in this way regulates the air supply

## Sophisticated ventilation – with GEALAN-CAIRE® Aereco

The GEALAN-CAIRE® Aereco ventilation solution is a demand-controlled supply air element that can be mounted on the frame, on an extension or on a sash profile.

## BENEFITS AT A GLANCE



Energy savings

GEALAN-CAIRE® Aereco ventilation systems help you save energy by reducing energy loss through open windows.



Health protection

Fresh air day and night in your home – GEALAN-CAIRE® Aereco ventilation systems provide fresh air as needed in your flat or house.



Moisture protection

Don't give mould spores, bacteria or mites a chance: GEALAN-CAIRE® Aereco ventilation systems remove excess moisture in a controlled manner.



Noise protection

For increased sound insulation requirements, the GEALAN-CAIRE® Aereco fan series offers special acoustic base plates that improve sound insulation performance.



Safety

Your living spaces ventilated with GEALAN-CAIRE® Aereco are safe and burglar-proof, as traditional window ventilation is minimised.



Autonomous operation

The humidity sensor reacts to the humidity in the room and thus controls the inflow of outside air as required. The humidity sensor works mechanically, requires no power and is maintenance-free.

# GEALAN-CAIRE® Aereco

Versions	... ZFH 5-35	... ZFHV 5-35	... ZFHA 5-35	... ZFHVA 5-35	... ZFHA 5-35 plus	... ZFHVA 5-35 plus
<b>Ventilation data</b>						
Locking lever	–	●	–	●	–	●
Air quantity (min - max) [10 Pa] / according to DIN EN 13141-1 / -9 in m³/h	3.0 - 32.1		4.6 - 31.2		4.6 - 31.2	
With acoustic base plate (Basic version)	–	–	●	●	–	–
With reinforced sound-absorbing acoustic base plate	–	–	–	–	●	●
<b>Acoustic data – standard sound level difference Dn, e, w / operating condition</b>						
Dn,e,w (C; Ctr) / OAP closed (basic ventilation), with WHI 05 in dB	40 (0; 0)		41 (0; -1)		44 (0; -1)	
Dn,e,w (C; Ctr) / OAP open, with WHI 05 in dB	36 (0; -1)		38 (0; -1)		41 (0; -1)	
Dn,e,w (C; Ctr) / OAP closed (basic ventilation), with WHAI 02 in dB	44 (-1; -1)		44 (-1; -1)		47 (-1; -2)	
Dn,e,w (C; Ctr) / OAP open, with WHAI 02 in dB	40 (-1; -2)		41 (0; -1)		44 (-1; -2)	
Test report (ift Rosenheim – on request)	16443572/2 - 16443572/3		16443572/6 - 16443572/7		20-003643-PR01	
<b>Installation</b>						
Installation at window sash / window frame	○/●	○/●	○/●	○/●	●/-	●/-
○ optional   ● standard						

## OUR SERVICE FOR YOU

### Sophisticated ventilation concepts

Create ventilation concepts and room-related ventilation plans according to DIN 1946-6 for your projects using GEALAN's Planersoftware 2.0. ventilation tool.

### Digital window planning

Complete your window planning with GEALAN-CAIRE® Aereco products using Planersoftware 2.0.

### Professional training sessions

Take advantage of target group-oriented training sessions on the topic of ventilation by the GEALAN Academy.