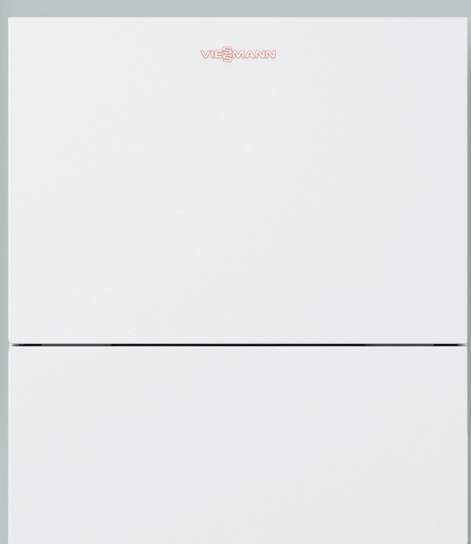
MECHANICAL VENTILATION SYSTEMS

VITOAIR FS 300-E
VITOVENT 300-W

German Brand
Since 1917





Mechanical ventilation systems

Efficient and economically interesting solutions for new build and modernisation projects

Slimline, compact and quiet ceiling-mounted central mechanical ventilation with heat recovery.

Vitoair FS

Central mechanical ventilation

Compact, quiet and powerful
With its low installed height of 245 millimetres and a maximum air flow rate of 300 m³/h, Vitoair FS is not only especially slimline but also compact. It also features particularly quiet operation at high output.

Reduces transmission of viruses
The polymer membrane of the heat exchanger also prevents the transmission of viruses, mould and bacteria makes Vitoair FS a hygienically perfect solution.

Optimum indoor air quality
With a maximum air flow rate of 300 m³/h, the special polymer membranes of the recuperative enthalpy heat exchanger in the Vitoair FS not only recover heat, but also moisture. This helps keep indoor air pleasant and contributes to a sense of wellbeing.

Flexible installation options
There are a number of installation options: below the ceiling, on the wall or horizontally in the attic. The connector arrangement can be adapted to the respective conditions. No condensate drain is required.

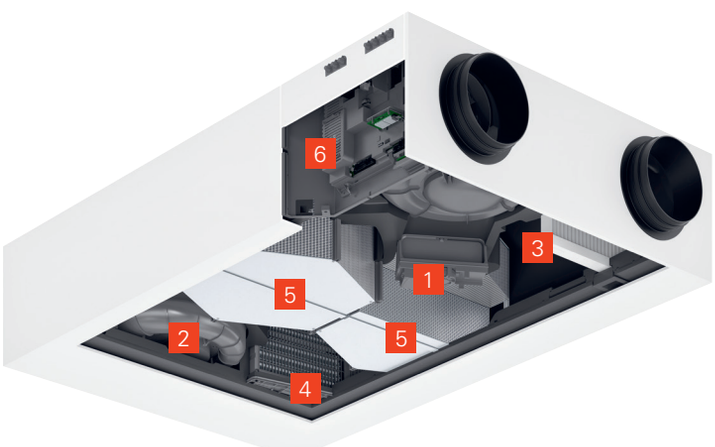
Integration with Viessmann One Base
Vitoair FS is compatible with Viessmann One Base and can be seamlessly combined with Viessmann Vitodens gas condensing boilers or Vitocal heat pumps. The addition of a Vitovolt photovoltaic system and a Vitocharge VX3 power storage unit for self-generated power is also possible at any time. Vitoair FS and Vitocal can then be operated almost completely independently of the public grid.

ZERTIFIZIERTE KOMPONENTE
Passivhaus Institut



The Vitoair FS is future-ready. With Viessmann One Base, it can be easily connected with your heating system.

Vitoair FS
Cross-section perspective



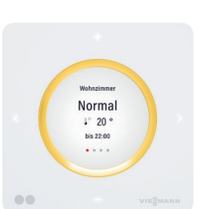
Benefits at a glance

- \+ Low energy costs thanks to high heat recovery
- \+ Minimal electricity costs through low power consumption
- \+ Modest space requirement, e.g. in a suspended ceiling
- \+ Thermal comfort and healthy room climate
- \+ Balanced humidity management prevents mould growth and damage to the building
- \+ Increased protection against burglary and noise as windows can be kept closed
- \+ Filtration of the outdoor air – important for allergy sufferers
- \+ System control via ViCare app (optional remote control)
- \+ Compatible with Viessmann One Base

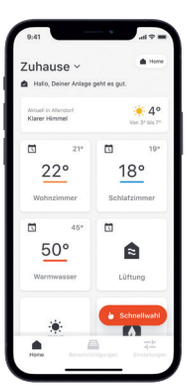
1. Bypass damper
2. EC constant volume fans with flow rate measurement
3. Filter
4. Preheating coil (optional)
5. Enthalpy heat exchanger
6. Control PCB



4-stage pushbutton
With filter change indicator



Vitotrol 300-E
Convenient wireless remote control as an accessory



ViCare app
Control of the entire energy system

Three control options for the Vitoair FS
The Vitoair FS can be directly controlled by a 4-stage pushbutton that is installed on a wall, the wireless Vitotrol 300-E remote control and the ViCare app, which can control your entire energy system at any time (no accessories required).

Quiet, compact and efficient wall-mounted central mechanical ventilation with heat recovery.

Vitovent 300-W
Central mechanical ventilation

Extremely energy efficient
Ventilates with almost no energy loss. During the colder months, the heat exchanger utilises up to 92% of the latent energy in the extract air to preheat the incoming fresh air. The electric preheating coil ensures frost-free operation even at low outside temperatures.

Passive cooling the natural way
During the warmer months, the heat exchanger can be bypassed completely via the integral automatic bypass damper. This temperature-controlled circuit allows cool outdoor air to enter the interior at night, thereby ensuring a pleasantly fresh environment.

Allergy sufferers breathe easier
A filtration system featuring an effective optional pollen filter cleans the supply air of allergens and harmful substances. This significantly reduces the growth and spread of mites and mildew, thereby creating an irritant-free indoor environment.

Control and monitoring via app
When combined with a Vitocal heat pump, it can be conveniently controlled using the ViCare app. Trade partners have the option of using ViGuide to check online using a web browser to see whether the Vitovent 300-W is functioning properly.

ZERTIFIZIERTE KOMPONENTE
Passivhaus Institut



The Vitovent 300-W can be directly connected with Vitocal heat pumps with one universal control unit.

Vitovent 300-W
Cross-section perspective



Benefits at a glance

- \+ High control intelligence and low installation effort
- \+ Virtually silent operation
- \+ A very high heat recovery level minimises ventilation heat losses and lowers heating bills
- \+ Convenient control via the heat pump and ventilation programming unit

1. Bypass damper
2. EC constant volume fans with flow rate measurement
3. Extract air filter
4. Preheating coil
5. Countercurrent heat exchanger
6. Outdoor air filter



Ventilation programming unit, type LB1

LB1 Universal control unit for wall mounting
Independently of the ventilation control via the integral Vitotronic in the heat generator, the Vitovent 300-W mechanical ventilation system can also be controlled using the LB1 universal programming unit. This is easily fitted to the wall and connected to the Vitovent system using the cable provided.

Comprising 19 multi-functional core components flexibly combined, this is the universal solution for all central Vitoair and Vitovent mechanical ventilation units.

Vitoair

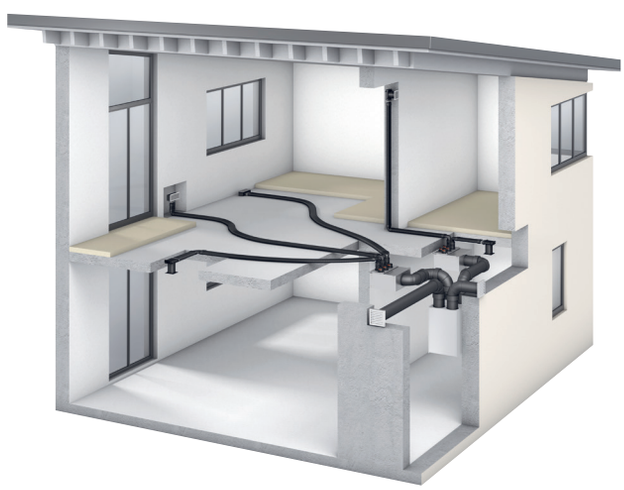
Click & go air distribution system

Essential for clean, filtered air throughout
Both flat and round duct systems allow for hygienic air distribution in your living space and can be cleaned as necessary.

Can be easily installed in the floor or suspended ceilings
All components follow a standardised, flow optimised design concept. Flat and round duct systems are available, depending on whether the project is a new build or modernisation.

Design meets functionality
When deciding on inconspicuous covers for air diffusers, users have a choice of neutral white or a stainless steel finish.

Hygienic and easy to maintain
Smooth inner and outer surfaces prevent contamination of the duct system, as well as the inlet and outlet vents. The air distribution system is totally hygienic. If required, the system can be easily cleaned via integral inspection ports.





Outdoor and exhaust air outlet (external view)

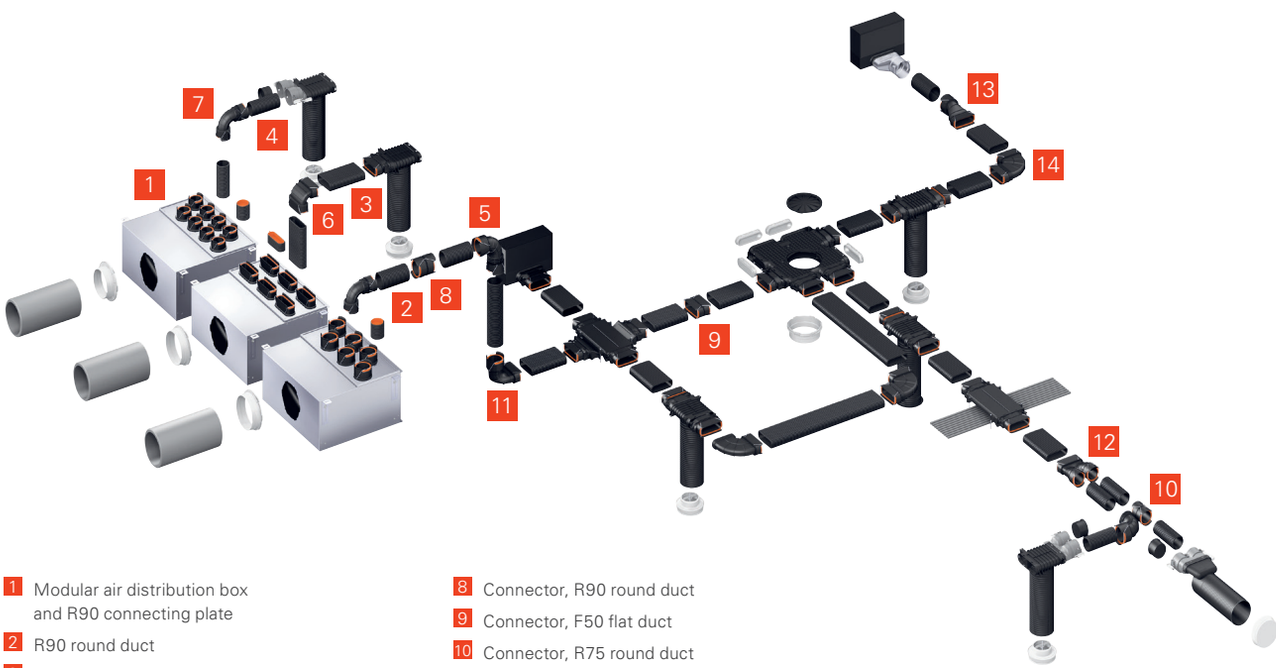


Roof outlet

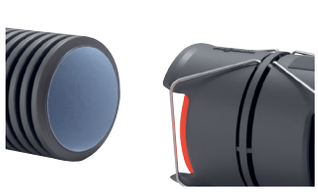
System benefits at a glance

+ Clean, filtered air in the living space
+ Attractive air diffusers in white and stainless steel finishes
+ Hygienic air distribution
+ The duct system can be cleaned as necessary
+ Low pressure drop in the flat ductwork saves energy
+ Compact dimensions of components save space in the living area
  (in terms of ceiling height or wall thickness)
+ Comprehensive system accessories for virtually any application

The Vitoair click & go air distribution system is exceptionally straightforward and easy to install.



1 Modular air distribution box and R90 connecting plate
2 R90 round duct
3 F50 flat duct
4 R75 round duct
5 90° bend R90
6 90° bend, wide side F50
7 90° bend R75
8 Connector, R90 round duct
9 Connector, F50 flat duct
10 Connector, R75 round duct
11 90° bend R90/F50
12 Adaptor, flat duct to 2 x R75
13 Adaptor, flat duct to R90
14 90° bend, narrow side



Click & go air distribution system
Quick and safe installation thanks to integral gaskets and duct fixings



Click & go air distribution system
available as round or flat ducts that can be easily curved in tight bending radii.

Installation Benefits at a glance

+ Fast, secure, click & go installation thanks to integral gaskets
+ Viewing window for visible fault-free connections
+ Easy to cut to length thanks to printed markings
+ Flexible solutions for new build and modernisation projects
+ Fully compatible round and flat ducts and system components that are very flexible and have good impact resistance
+ Simple planning with Vitoair Planner
+ Flow optimised design for silent operation
+ Antistatic and antibacterial inner walls for highest standards of hygiene

VIESSMANN ONE BASE

Commissioning, maintenance, service and monitoring for all Viessmann systems from a single source.

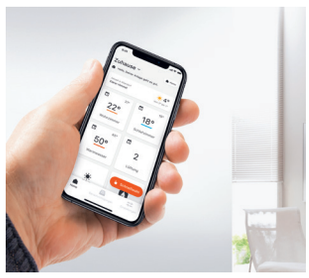
One system for everything

Viessmann One Base networks the products and systems in Viessmann's integrated range of solutions. Comprehensive climate and energy solutions can now be seamlessly linked digitally - Vitodens gas boilers, Vitocal heat pumps, Vitoair ventilation systems Vitovolt photovoltaic modules and Vitocharge power storage units.

Compatible with other digital services

Thanks to Connectivity Inside, all components work perfectly together with Viessmann Energy Management for more convenience, clarity and efficiency. Networked with the digital services of the future, Viessmann One Base offers even more, besides allowing easy integration of smart home and building management systems from other providers, as well as third party products, such as Wallboxes. Control via voice assistants comes as standard.

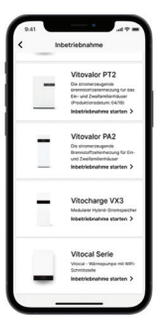
ViCare: App for homeowners



More about the ViCare app on our website:

The Vitoair FS has an integrated WiFi interface that connects the heating system to the internet, if required. The ViCare app is used in conjunction with a web-enabled Viessmann heating system to provide you convenient ways of controlling it, and gives you an overview of the heating system status to save energy and costs.

ViGuide: App for installers



More about the ViGuide app on our website:

ViGuide can also be connected to the Vitoair FS. Contractors can keep a remote eye on the system and correct possible irregularities immediately by electronic means. This eliminates unnecessary travel and appointments.



Viessmann One Base networks digital services with the complete energy system, including heat pumps, power storage units, photovoltaic systems, ventilation and heat recovery systems. Visual is for illustration purposes only.

Technical specifications



More about the Vitoair FS on our website:

VITOAIR FS

Type		300-E
Max. air flow rate up to approx.	m^3/h	300
Max. external pressure drop at max. air flow rate	Pa	215
Interior up to approx.	m^2	280
Dimensions (including mounting rail)		
Length (depth)	mm	1254
Width	mm	808
Height	mm	248
Weight	kg	51.5
Energy efficiency class		
in acc. with Commission Delegated Regulation (EU) No 1254/2014		
– Manual control		A
– Time control		A
– Central demand-dependent control		A
– Control according to local demand		–
Factory-set air flow rates		
Reduced ventilation (stage 1)	m^3/h	54
Standard ventilation (stage 2)	m^3/h	126
Comfort ventilation (stage 3)	m^3/h	180
Intensive ventilation (stage 4)	m^3/h	234
Setting range for the air flow rates		
Reduced ventilation (stage 1)	m^3/h	50 to 300
Standard ventilation (stage 2)	m^3/h	50 to 300
Comfort ventilation (stage 3)	m^3/h	50 to 300
Intensive ventilation (stage 4)	m^3/h	50 to 300
Air intake temperature		
Min. (in conjunction with electric preheating coil)	°C	-20
Max.	°C	+40
Ambient temperature		
Min.	°C	+3
Max.	°C	+40
Humidity		
Max. relative room air humidity	%	70
Max. absolute extract air humidity	g/kg	12
Filter class acc. to ISO 16890		
Outdoor air filter (delivered condition/accessories)	%	ISO Coarse 60/ISO ePM1 50
Extract air filter (delivered condition)	%	ISO Coarse 60
Heat recovery		
Rate of temperature change to ErP	%	80
Heat recovery level to DIBt	%	80
Heat recovery level to PHI	%	80
Material, countercurrent heat exchanger/enthalpy heat exchanger		PETG
Rate of humidity change to DIBt	%	Up to 74
Application areas		
– New build		■
– Detached house		■

Filter types to ISO 16890 – EN 779
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %

Technical specifications



More about the Vitovent 300-W on our website:

VITOVENT 300-W

Type		H32S A225	H32S C325	H32S C400
Air flow rate up to approx.	m³/h	225	325	400
Interior up to approx.	m²	160	320	440
Dimensions				
Length (depth)	mm	455	560	560
Width	mm	600	750	750
Height	mm	650	650	650
Weight	kg	29.5	41.0	42.5
Energy efficiency class in acc. with Commission Delegated Regulation (EU) No 1254/2014				
– Manual control		–	–	–
– Time control		A	A	A
– Central demand-dependent control		A⁺	A⁺	A⁺
– Control according to local demand		A⁺	A⁺	A⁺
Type of heat exchanger				
– Cross-countercurrent		■	■	■
– Enthalpy cross-countercurrent (accessory)		■	■	■
Filter type				
– Outdoor air filter (delivered condition/accessory)		G4/F7	G4/F7	G4/F7
– Extract air filter (delivered condition/accessory)		G4/G4	G4/G4	G4/G4
Heat recovery				
Rate of temperature change to ErP	%	92	91	92
Rate of temperature change to EN 308:1997	%	Up to 94	Up to 98	Up to 99
Heat recovery level to DIBt	%	92	91	92
Heat recovery level to PHI	%	89	91	90
Material, countercurrent heat exchanger/enthalpy heat exchanger		PETG	PETG	PETG
Rate of humidity change	%	–	–	–
System operation with Vitocal heat pumps – Not possible with Viessmann One Base heat pumps		■	■	■
Operation via				
– Ventilation programming unit, type LB1		■	■	■
– Step switch		–	–	–
Passive House Institute certified component		■	■	■
Application areas				
– New build		■	■	■
– Detached house/two-family house		■	■	■
Sound power level in the installation room at air flow rate				
100 m³/h	dB(A)	31 to 33.5	27	29
150 m³/h	dB(A)	38.5 to 40.5	33.5 to 34.5	35.5 to 37
200 m³/h	dB(A)	44 to 45.5	40 to 41	41.5 to 43
250 m³/h	dB(A)	–	45.5	43.5 to 49
300 m³/h	dB(A)	–	-	48 to 48.5
325 m³/h	dB(A)	–	50 to 50.5	–
350 m³/h	dB(A)	–	–	52 to 56.5
400 m³/h	dB(A)	–	–	55 to 57.5

Filter types to ISO 16890 – EN 779
G4 = ISO Coarse 60 %
F7 = ISO ePM1 50 %
M5 = ISO ePM10 50 %

We are a world leader in efficient and sustainable heating, water and air quality solutions.



About Viessmann

As a company with over 100 years of German heritage and industry-leading expertise, Viessmann Climate Solutions is one of the world's leading providers of sustainable and efficient climate (heating, water and air quality) and renewable energy solutions.

With 'Efficiency' as our core, we have satisfied the need for heat over four generations. Today, our responsibility goes far beyond that- to sustainably change energy supply around the world. So, we design and produce integrated climate and energy solutions for people and companies worldwide. Together, we can shape the living spaces of future generations – from comfortable homes to a habitable planet.



Why Viessmann?

Uncompromising quality
From design to manufacturing and testing, our vast experience in hydronic heating, water purification and ventilation allows us to provide the complete solutions of the highest quality for your home.

Built to last
All of our products are designed with the future in mind, and built to last so you can enjoy many years of worry-free home comfort.

Industry-leading design and digital innovation
We offer mobile apps and smart home solutions to give you added control and convenience, so you can save time and money as well as reducing your environmental impact.



For installation, please contact:

We are happy to connect.

info.australia@viessmann.com
1300 734 170
Service email address: service@viessmann.au

Monday to Friday, 8am to 6pm (Melbourne Time)
We are closed on all national and state based public holidays.

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