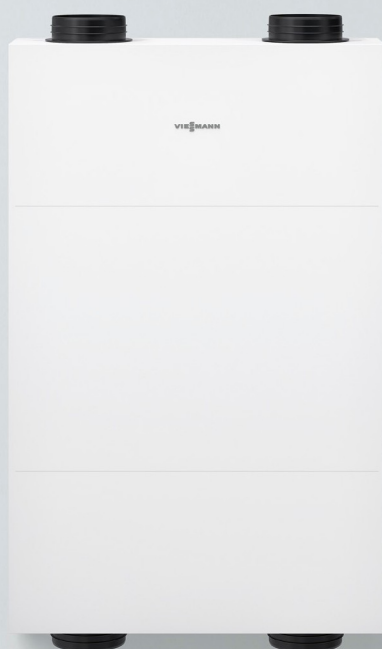




CENTRALIN G

Apartment ventilation with heat recovery: **VITOAIR FS**



**Vitoair FS ensures
fresh air in every room**

The complete solution
for reliable apartment
ventilation

Vitoair FS centralised ventilation ensures a healthy indoor climate and a pleasant temperature throughout the house



Vitoair FS apartment ventilation system with Vitocal 252-A air/water heat pump and Vitocharge VX3 power storage system

Today's increasingly pronounced climate variability often brings with it a burden on health. This makes it all the more important to have reliable ventilation in your four walls. Viessmann's new Vitoair FS apartment ventilation system the ideal solution.

System integration with Viessmann One Base

Vitoair FS is compatible with Viessmann One Base and can be combined seamlessly with Viessmann Vitodens gas condensing boilers or Vitocal heat pumps. And expansion is possible at any time with the Vitovolt photovoltaic system and the Vitocharge VX3 power battery for self-generated for current. Vitoair FS and Vitocal can then be operated almost autonomously from the mains.

With the ViCare app, users can adjust their complex energy system at any time.

Compact, quiet and powerful

With its very small construction thickness of 245 mm and a maximum air flow of 300 m³/h, the Vitoair FS is not only very slim but also compact. Then there is the ultra-quiet operation in high power mode.

Optimum indoor air quality achieved by the heat exchanger

The special polymer membrane of the VitoAir FS heat exchanger only recovers heat, but also moisture. This ensures pleasant indoor air and promotes well-being.

Water vapour molecules contained in the outgoing air diffuse through the membrane and are absorbed by the outside air on the incoming air side. In this way, too dry or too humid indoor air can be reduced. As the polymer membrane prevents the transmission of viruses, mould and bacteria, Vitoair FS is the hygienically perfect solution.

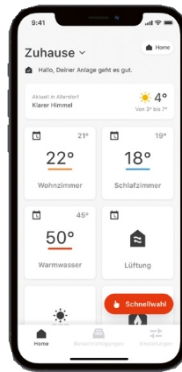
VITOAIR FS

Air flow: max . 300 m³/h

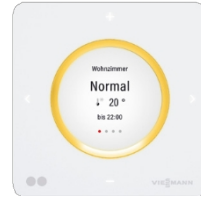
Easy installation and commissioning

The unit can be installed very flexibly: on the ceiling, on the wall or in a horizontal position in the attic. Short Pipe
the layout can be adapted to the circumstances. No condensate drain required.

If you prefer, you can allow a technical partner to monitor the system remotely so that the fault can be fixed or quickly by a service technician.



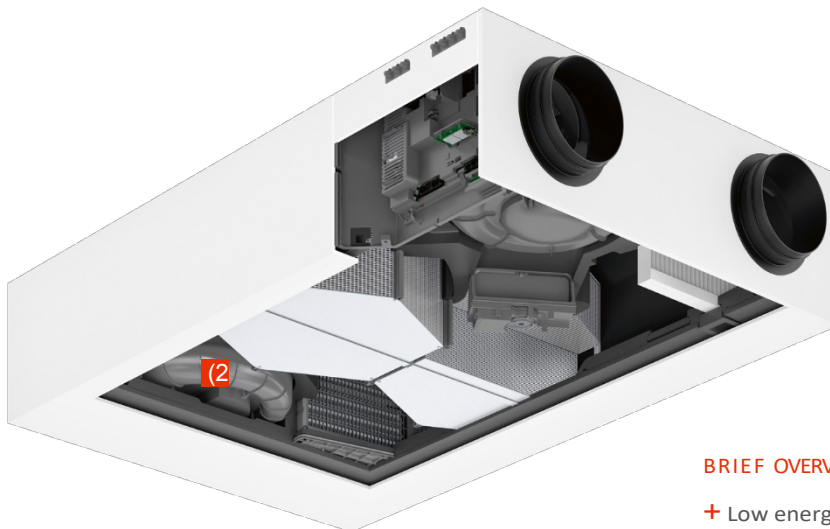
ViCare app
Whole energy
system control



Vitoltr 300-E
Convenient radio
remote control as
accessory



4-step key
with filter change indicator



VITOAIR FS

- 1 Bypass valve
- 2 EC constant volume fan with flow measurement
- 3 Filter
- 4 Heating section (optional accessory)
- 5 Enthalpy heat exchanger
- 6 Control board

BRIEF OVERVIEW OF THE CONTRIBUTIONS





- + Low energy costs due to high heat recovery
- + Low electricity costs due to low power consumption
- + Takes up little space, e.g. in suspended ceilings
- + Thermal comfort and healthy indoor climate
- + Balanced humidity prevents mould and building damage
- + Increased security against intruders and noise protection, as windows can be closed
- + Outdoor air filtration - important for people with allergies
- + System control in the ViCare app (remote control as an)
- + Compatibility with Viessmann One Base
- + The location of the short ducts at the air distribution system can be chosen as right-hand or left-hand
- + No condensate drain required
- + Easy commissioning and online monitoring by a technical partner



Vitoair FS product animation -
the most compact ventilation unit in its class

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Apartment ventilation system **VITOAIR FS**

Vitoair FS	Tips	300-E
Max. air flow	m ³ /h	300
Max. external pressure drop	See	215
Apartment area up to	m ²	280
Dimensions (without short-circuits) Length x Width x Thickness (with mounting rail)	mm	1254 x 808 x 248
Weight	kg	51,5
Energy efficiency class under EU Regulation 1254/2014		
– Manual control		A
– Time management		A
– Centralised demand management		A
– Management by local demand		–
Filter class Filter class according to ISO 16890		
Outdoor air filter (delivery condition/accessory)	%	ISO Coarse 60 / ISO ePM1 50
Outgoing air filter (delivery condition)	%	ISO Coarse 60
Heat recovery		
Coefficient of temperature change atb. ErP directive	%	80
Coefficient of recovery efficiency DIBt Recuperation	%	80
efficiency compliant PHI Counterflow/enthalpy heat exchanger material	%	80
		PETG
Humidity coefficient of variation atb. DIBt	%	up to 74
Areas of use		
– New buildings		■
– Family home		■



Filter types according to ISO 16890 - EN779

G4= ISO Coarse 60 %

F7 = ISO ePM1 50 %

ISTRADUATIONAL PRODUCTIONS

- + Maximum air flow: 300 m³/h
- + Heat recovery: 80%
- + Moisture recovery: 74 %
- + Power consumption: 0.19 W/(m³/h)
- + Operating noise: 39 dB(A)
- + Dimensions (length x width x thickness): 1254 x 800 x 245 mm
- + Energy efficiency class: A