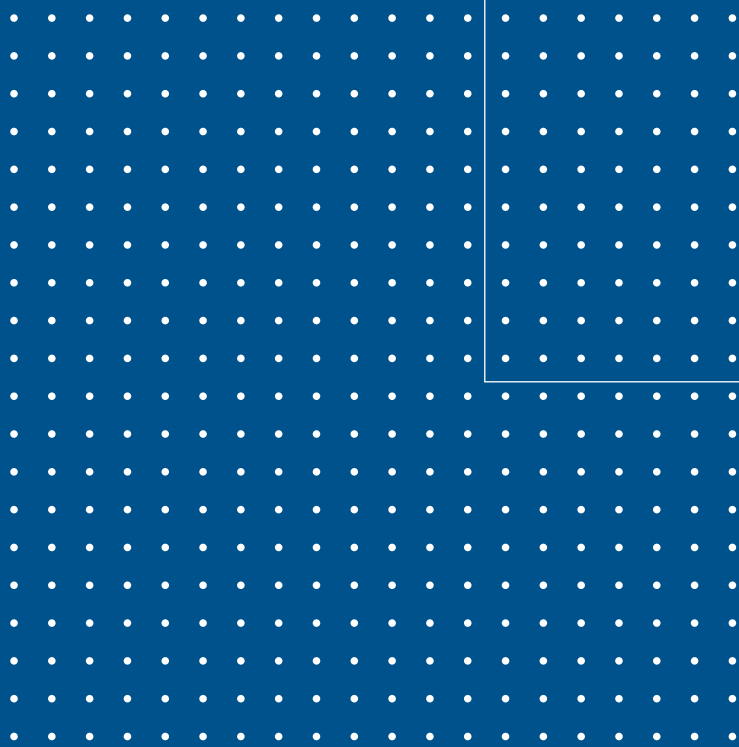


**Ventilating dwellings in
areas with high noise
levels using Sonair**



BRINK

Climate Systems

Controlled supply of fresh filtered outdoor air

Sonair is a mechanical air supply unit that ensures a controlled supply of fresh filtered outdoor air. Sonair ventilates extremely quietly and has excellent soundproofing properties. In addition, Sonair prevents unnecessary energy loss by uncontrolled and excessive ventilation. Sonair creates a healthy and comfortable indoor climate, without annoying outdoor noise.



OPERATION

Sonair is mounted on the inside of an exterior wall. Sonair sucks in outdoor air through a wall sleeve. The fan is mounted in a sound-absorbing chamber, which absorbs outdoor and fan noise. The fresh air is blown vertically into the room through a filter, resulting in a healthy and comfortable indoor climate. The rate at which fresh air is supplied is controlled by pushing buttons on the top of the unit.

VERSIONS

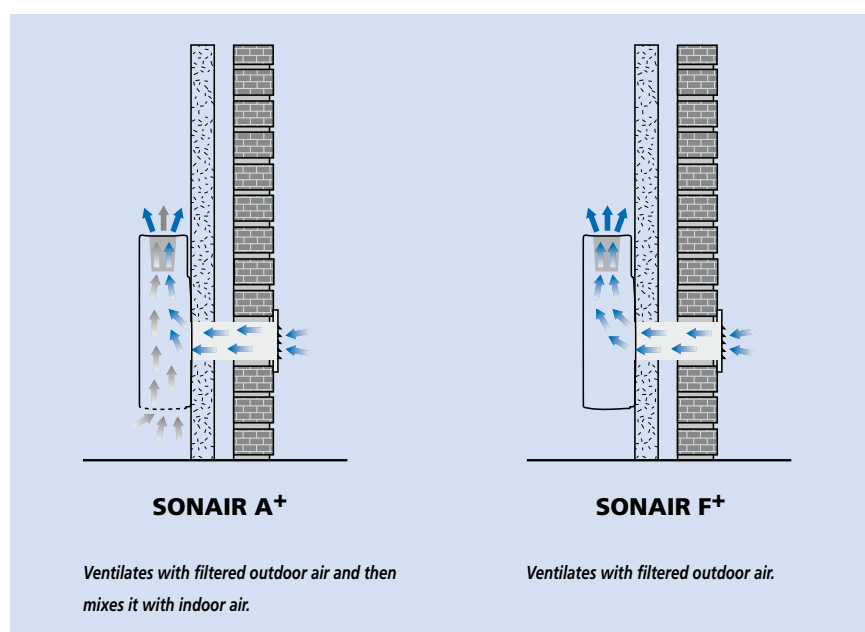
There are two types of Sonair; F⁺ and A⁺. Whereas Sonair F⁺ only supplies fresh, outdoor air, Sonair A⁺ offers the option to mix and recirculate fresh outdoor air with warm indoor air. The mixing ratio between outdoor and indoor air is adjustable. This makes it possible to filter the indoor air using the filter in the unit. That has a positive effect for occupants who have respiratory problems.

NOISE INSULATION

Sonair is an excellent choice for dwellings and schools where attenuation of outdoor sound is necessary. Sonair can attenuate up to 56 dB of outdoor noise.

AIR FILTERING

Sonair comes standard with a filter, class G3. This filter is used in conditions with normal dust levels. The G3 filter removes 70 to 85% of the particles larger than 10 µm, including sand, fabric fibres, pollen, hairs and spores. It is also possible to fit Sonair with filters (F6 or F9k) which can filter extremely small dust particles. The carbon in the F9k filters absorbs odours.



FILTER COMPARISON

Filter	G3	G3K	F6	F9K
Dust (10 µm)	••	••	••	••
Fine dust (PM (2.5 µm))			••	••
Pollen	•	•	••	••
Spores	•	•	••	••
Hairs	••	••	••	••
Sand	••	••	••	••
Textile threads	•	•	••	••
Cement dust	•	•	••	••
Bacteria				••
Odour		••		••

- = good
- = Very good

FILTER CAPACITY

(% FILTERED DUST PARTICLES)

Dust particles [µm]	G3	F6	F9
< 10	70 - 85	> 99	> 99
< 5	35 - 70	95 - 99	> 99
< 3	15 - 35	85 - 95	> 99
< 1	5 - 15	50 - 65	> 98
< 0.5	0 - 5	20 - 40	90 - 95
< 0.3		10 - 25	75 - 85
< 0.1		5 - 15	45 - 60

under DIN EN 779

AIR COMFORT CONTROL (ACC)

Sonair A⁺ and F⁺ can also be used as part of Air Comfort Control, our residential and school ventilation system. Air Comfort Control (ACC) is a unique, demand-controlled ventilation system that automatically controls the ventilation requirement for every habitable room. The system is made up of air supply units (Sonair and Innoventus), a control panel and an exhaust fan. Wireless communication between the ACC system units through the electrical mains makes installation of separate control cabling superfluous. As a result, ACC is not only suitable for new build projects, but also for refurbishment. A separate brochure is available for the ACC system.

SIMPLE INSTALLATION

Sonair is mounted on the inside of an exterior wall. An extensive range of wall sleeves, grilles and other fittings makes it possible to install the Sonair at almost any location without affecting the appearance of the exterior wall.



The quantity of fresh outdoor air is set with the push buttons on the top of the appliance.

BENEFITS

- Energy-saving
- Low energy consumption
- Soundproofing
- Extremely quiet in operation
- Air-filtering
- No draughts
- Simple installation and maintenance
- Suitable for both new build and refurbishment



Various wall grilles are available for the Sonair.

TECHNICAL SPECIFICATIONS SONAIR

Appliance type	Sonair (A ⁺ and F ⁺)
Dimensions H x W x D [mm]	455 x 310 x 134
Housing	Plastic, colour white (RAL 9003)
Power supply [230 V~/Hz]	230/50
Ventilation capacity [dm ³ /s]	Max. flow rate 62.5 (225 m ³ /h) with G3 filter, adjustable between 0 and 62.5 (60 m ³ /h)
Fan power [W]	9.6 at 17 dm ³ /s (60 m ³ /h) 52.3 at 62,5 dm ³ /s (225 m ³ /h)
Soundproofing [dB]	Sonair A ⁺ : D _{n,e,w} = 52 dB (ISO 717-1:1996)
(G3 filter, sleeve: DV 100F)	Sonair F ⁺ : D _{n,e,w} = 56 dB (ISO 717-1:1996)
White mains cable [m]	Standard 1.80

* Based on Peutz test report no. A.1368.



Climate OK is an initiative by Brink Climate Systems together with partners to ensure a healthy, energy-efficient and comfortable indoor climate.

Realisation of a Climate OK indoor climate starts with the use of products for heating, ventilation, cooling and hot water that meet the highest quality requirements. The final result can only be and remain Climate OK when businesses and institutions, designers and installers, and of course also end users are aware of what a Climate OK indoor climate is and what they should and should not do to achieve it. Within Climate OK, Brink Climate Systems acts as knowledge institute, intermediary and inspirer.

www.ClimateOK.nl



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