Titon®

Sonair A
Sonair I







INNOSOURCE

Energy, Ventilation & Acoustics

If you insulate you must ventilate!

Fresh, clean air is vital for our health, homes, offices and public buildings, but construction practices have understandably evolved to provide sound-proofed, energy efficient buildings.

Unfortunately, tightly sealed buildings create a new potential hazard. Most people know that outdoor air pollution can damage their health, but they may not know that indoor air pollution can also damage their health. The concentration of indoor air pollutants is often much higher indoors than outdoors and is of particular concern because most people spend as much as 90% of their time indoors. Symptoms associated with poor indoor air quality include headache, shortness of breath, eye, nose and throat irritation, skin irritation, sinus congestion, coughing, sneezing, fatigue, dizziness and nausea.

Therefore, if you insulate, you must ventilate. Controlled, mechanical ventilation prevents health risks from indoor air pollution, reduces air moisture infiltration, thus reducing the likelihood of structural damage, and creates a more comfortable indoor environment without wasting energy.



Sonair A+
Sonair F+

The solution - Sonair

Innosource has developed a range of efficient, mechanical ventilation products which help end users create a healthy and comfortable indoor environment. Sonair not only ventilates and filters the air, but uses very little energy, produces hardly any noise, and possesses sound attenuating properties to prevent outdoor noise entering the building. There are two types of Sonair available:

Sonair F+ has very high sound attenuating properties, ventilates and filters;

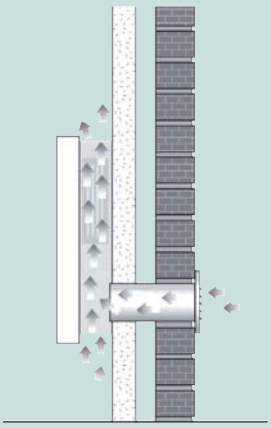
Sonair A+ has high sound attentuating properties, ventilates, filters and recirculates the air.





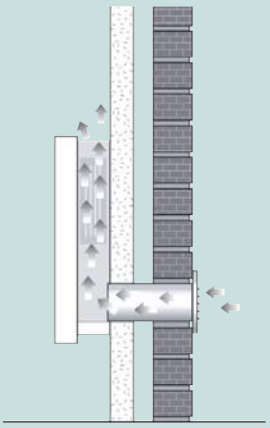
How does the Sonair work?

A hole is drilled in the wall of the room which needs to be ventilated. A grille is mounted on the outside of the wall, a duct is placed in the hole to create a direct connection with the outdoor air and Sonair is mounted on the inside of the wall. A fan inside Sonair sucks unfiltered outdoor air through the duct and blows it through a filter into the room, creating a healthy and comfortable indoor climate. Sonair A+ also has the option to filter indoor air. The fact that the fan inside Sonair is mounted in a sound-attenuating chamber means that noise is prevented from entering the room.



Sonair A+

Ventilates, recirculates and cleans the air whilst having very good noise reducing properties and a low sound level.



Sonair F+

Ventilates and cleans the air whilst having excellent noise reducing properties and a low sound level.

Filter comparison

	G2	F6
Dust (PM10)	⊗⊗	⊗⊗
Hairs	⊗⊗	⊗⊗
Sand	⊗⊗	⊗⊗
Textile fibres	⊗	⊗⊗
Pollen	⊗	⊗⊗
Spores	⊗	⊗⊗
Cement dust	⊗	⊗⊗
Fine dust		⊗⊗

⊗ = good
⊗⊗ = very good

Filter capacity (% filtred dust particles)

Dust particles (µm)	G2	F6
< 10	50 - 70	> 99
< 5	15 - 35	95 - 99
< 3	5 - 15	85 - 95
< 1	0 - 5	50 - 65
< 0,5		20 - 40
< 0,2		10 - 25
< 0,1		0 - 15

In accordance with DIN EN 779

Air Filtering

Both Sonair A+ and F+ filter the outdoor air of any impurities. Sonair A+ also has the option to recirculate and filter indoor air.

G2 filter (standard)



The G2 filter is used under normal dust load conditions. The G2 filter captures 50-70% of the particles larger than 10µm, such as leaves, insects, hairs, sand, textile fibres, pollen and spores.

F6 filter



The F6 filter is used when the dust load is moderate to high. The F6 filter captures 99% of all dust particles larger than 10µm and 95-99% of all particles larger than 5µm, including very fine dust particles such as pollen, spores, cement dust and excreta of the house dust mite.

Product characteristics

- ⊗ Air cleaning
- ⊗ Sound attenuating
- ⊗ Low sound production
- ⊗ Low power consumption
- ⊗ Low energy waste due to controlled ventilation
- ⊗ Weather independent
- ⊗ Windows can remain closed reducing noise and air pollution, as well as the risk of burglary

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Creative and Innovative

Innosource develops and produces innovative environment-friendly ventilation solutions for homes and buildings. Our mission is to give people control over their micro-environment and create a healthy and comfortable indoor climate.

Ventilation solutions with the right balance

Innosource is constantly searching for the right balance between health, personal comfort and the environment. Innosource is proud to contribute to a healthy and comfortable indoor environment and save energy at the same time.

Quality through Interaction

Innosource develops its products in close co-operation with universities, research centres, architects, consultants and public authorities. This interaction generates the best possible results and makes it possible to develop high quality products.

Service

Our commitment to high levels of service is recognised and appreciated by our customers and the users of our ventilation systems alike.

Worldwide

In the past few years, demand for Innosource products abroad has increased. We work closely with our partners inside and outside Europe, to ensure that the benefits of our products can be enjoyed by all, even if this means adapting the product to comply with national standards.

Titon®

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Technical specifications

Dimensions
445 (H) x 310 (W) x 134 (D)

Housing
Plastic, colour white

Voltage
220-240 V ~ 50 Hz

Energy consumption
Max. 13 Watt at 17 l/s (60 m³/hour)
Max. 43 Watt at 62.5 l/s (225 m³/hour)

Ventilation capacity
Max. 62.5 l/s (225 m³/hour) with a G2 filter

Control
LCD-display with operating buttons

Sound production*
Sound pressure level, LpA; 10 m² according to ISO 3741

Capacity	Sonair A+		Sonair F+	
	G2 Filter	*F6 Filter*	*G2 Filter*	*F6 Filter*
30 m³/h	<15.0	<19.5	<11.5	<19.0
45 m³/h	<22.5	28.0	<18.5	27.0
60 m³/h	28.5	34.0	23.5	33.0
90 m³/h	38.0	42.0	34.0	41.5
140 m³/h	49.5	51.5	43.5	51.5
Sound attenuation, according to ISO 140-10				
$D_{n,e,w}$ dB (A)	52	52	56	55

* Test lab reports available on demand.

Sound attenuation
Sonair F+: $D_{n,e,w}$ = 56 dB (ISO 717-1:1996)
Sonair A+: $D_{n,e,w}$ = 52 dB (ISO 717-1:1996)

Power cable
1.80 m, colour white (standard)

Duct
100 mm (standard)

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