

# Sonair<sup>®</sup>

Mechanical Air Filtration



Originally known as Edmonds® until 2019 then rebranded to Bradford®, a CSR company, in 2020. Bradford is a leading manufacturer of premium ventilation and energy efficiency products including insulation and sarking.

Bradford is passionate about delivering superior comfort and performance whilst reducing the overall impact on the environment. It is this vision of a sustainable future which has resulted in the design and development of many energy efficient innovations. These innovations include natural, wind-driven, hybrid and turbine ventilation technology.

Regarded as a leading industry innovator, Bradford has a range of ventilation products that are engineered and manufactured at its ISO9001 accredited facility in Seven Hills, Australia. It is this manufacturing and technical expertise which makes Bradford a pioneer in home, commercial and industrial ventilation solutions in Australia as well as across the globe.



Sonair® is ideal for commercial or residential buildings near airports and highways.

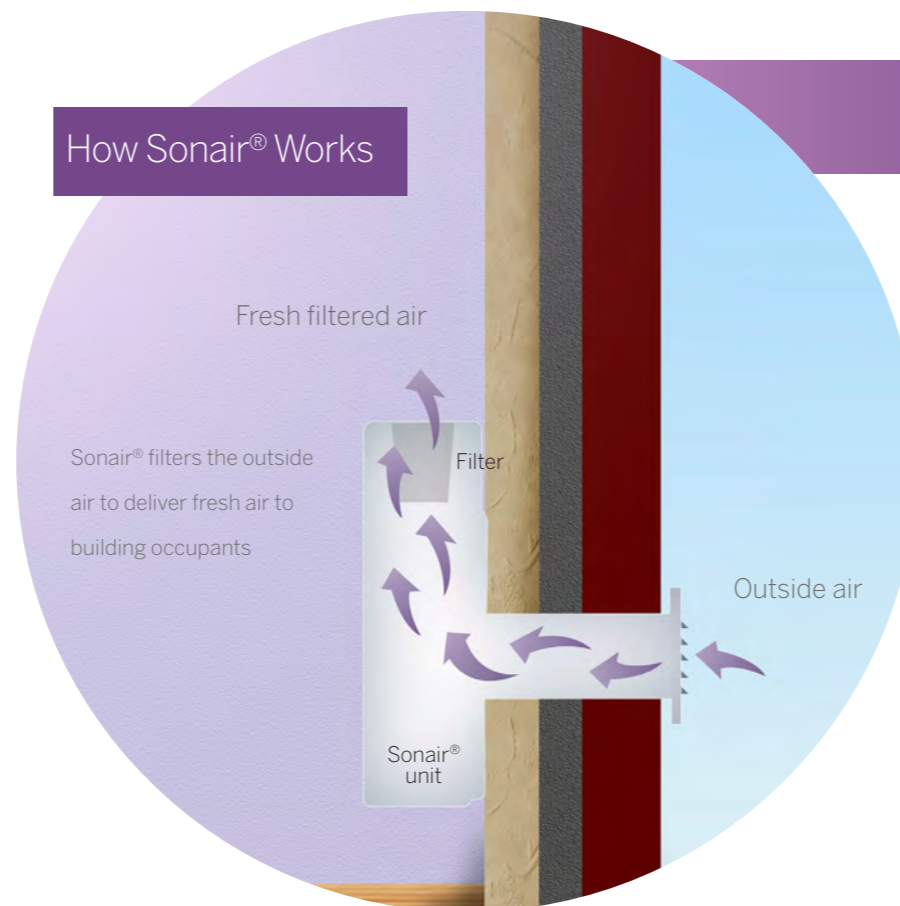
# Sonair®

Peacefully quiet fresh air

Sonair® improves indoor air quality (IAQ) and effectively delivers fresh, filtered air by removing outside dust and airborne pollutants using mechanical air filtration technology.

Applications include both residential and commercial buildings where windows need to remain closed to avoid noise and/or unpleasant fumes. These include homes, schools and public buildings located near high traffic areas, airports, sewerage treatment, waste processing or heavy industrial activities.

Sonair can be easily installed to a new or existing building. Installed on the inside of an exterior wall, a fan draws in outside air through a wall sleeve. The outdoor air is blown vertically into the room through a carbon filter (F9K), eliminating draughts and resulting in a healthy and comfortable indoor environment. The supply air flow rate can be adjusted to a maximum of 225m<sup>3</sup>/hr using the standard G3 filter and 100mm supply duct. Quieter operation is achieved with a sound absorbing chamber – this reduces noise from fan, air movements and the external environment.



## FEATURES & BENEFITS

- **DELIVERS FRESH AIR TO BUILDING OCCUPANTS**  
Ideal for applications where windows need to be closed due to noise, odours, fumes and dust
- **EASY TO MAINTAIN**  
Simple once-a-year filter replacement (or as needed for more polluted areas)
- **FILTER SELECTION**  
Standard particle G3 filter for normal use or optional F9K carbon filter for filtering fine dusts and odours
- **VARIABLE AND CONTROLLABLE AIR FLOW RATE**  
Air flow of up to 225m<sup>3</sup>/hr using G3 filter
- **LOW ENERGY CONSUMPTION**
- **QUIET OPERATION**  
Sound absorbing chamber reduces noise to a virtually inaudible 23dBA at normal speed
- **2 YEAR WARRANTY FOR PEACE OF MIND**



Model	Sonair F+
Power Source	Electrical
<b>Dimensions (mm)</b>	
Height Overall	445
Width	310
Depth	134
Mass (kg)	5.5
<b>Material</b>	
Housing	ABS
<b>Electrical</b>	
Phase	Single
Input Voltage (Hz)	50
Protection class	2
Input Voltage (VAC)	220-240
Max. running power consumption (W)	52.3
Main cable length (m)	1.8
<b>Flow Rate</b>	
G3 filter (m <sup>3</sup> /hr)	Adjustable between 0 - 225
<b>Sound</b>	
G3 filter @ 60 m <sup>3</sup> /hr (dBA) Typical speed	23
G3 filter @ 225 m <sup>3</sup> /hr (dBA) Max. speed	56
<b>Power consumption</b>	
G3 filter @ 60 m <sup>3</sup> /hr (W)	9.6
G3 filter @ 225 m <sup>3</sup> /hr (W)	52.3

Filter Capacity (% Filtered Dust particles)		
Dust particles (µm)	G3	F9K
< 10	70 - 85	> 99
< 5	35 - 70	> 99
<3	15 - 35	> 99
<1	5 - 15	> 98
<0.5	0 - 5	90 - 95
<0.3	n/a	75 - 85
<0.1	n/a	45 - 60

Sonair® is supplied with a standard class G3 filter. This filter is used in conditions with normal dust levels, and removes 70% to 80% of particles larger than 10µm, including pollen, hair and spores.

Sonair can also used with F9k filters which can remove extremely small dust particles. Carbon in the F9k filter also absorbs odours.

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

### WHAT IS SUPPLIED

- 1.8m cable
- 100mm supply duct
- G3 filter

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[www.bradfordventilation.com.au](http://www.bradfordventilation.com.au)

CSR Bradford

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