

Airflo Vent- Premium Stainless Steel Range

Technical Data Sheet (TDS)



Product description

The **Premium Airflow Vent** is a louvred **304 stainless steel** ventilation grille with an integrated stainless steel mesh backing, designed to provide reliable airflow while offering protection from rain, debris, and pests.

Suitable for a wide range of applications, the vent is ideal for use in wall cavities, building foundations, heating and ventilation systems, air conditioning installations, and confined or enclosed spaces where machinery requires effective ventilation. Its corrosion-resistant construction also makes it well suited for **RV and marine environments**, including boats and motorhomes.

Available in **five standard sizes**, the Premium Airflow Vent accommodates a variety of opening dimensions, providing a durable and low-maintenance solution for both internal and external ventilation requirements.

Material properties:

Material: Stainless Steel 304

Thickness: 1mm

Dimensions: 5 sizes

Colours: Brush finish & Powdercoated white

Product features

- **304 Grade Stainless Steel**
Manufactured from high-quality 304 stainless steel, offering excellent corrosion and oxidation resistance for long-term durability in external and wet environments.
- **Powdercoated white**
- **Rain-Proof Louver Design**
Angled louvre blades (typically 45°–60°) are engineered to allow airflow while deflecting rainwater away from the opening, helping prevent water ingress.
- **Integrated Mesh Backing**
Fitted with a stainless steel mesh to restrict debris, insects, and small animals from entering, while maintaining consistent ventilation.
- **Improved Airflow Performance**
The louvered blade profile promotes effective air circulation without compromising weather protection.
- **Low Maintenance & Long Service Life**
Stainless steel construction resists rust and staining, reducing maintenance requirements over time.
- **Clean, Architectural Finish**
A simple, modern appearance that integrates easily with a wide range of building materials and façade designs.

Typical application

- External wall ventilation in commercial and residential buildings
- Wet areas and high-humidity environments
- Plant rooms and service areas
- **Recreational vehicles (RVs) and motorhomes**, where controlled airflow is required while minimising rain ingress and preventing insects or debris from entering
- **Marine and boating applications**, including cabins, storage compartments, and service areas, where corrosion resistance and weather protection are essential
- Utility spaces, outhouses or garages requiring airflow with weather protection



Installation details

- Suitable for **surface-mounted or recessed installation**, depending on wall construction and ventilation requirements.
- Install with louvre blades angled downward to ensure correct rain-shedding performance.
- Fix mechanically through pre-drilled mounting points using appropriate stainless-steel fasteners.
- Ensure the opening is clear of obstructions and the mesh remains intact to maintain airflow and protection.
- Seal perimeter edges as required to suit the surrounding substrate and weather exposure.

Relevant Building Code Clauses

G4.3.1- Airflo vents supports the ventilation of a building subfloor area, allowing drier outside air to flow through the space, removing the ground moisture and keeping it fresh, healthier and drier. objective to safeguard people from illness or loss of amenity due to lack of fresh air. This meets the standards NZS 4040:1990.

Product Information

Code	Product description	Vent Size	Metal	Gauge	Notes
A48VSW1010	STAINLESS STEEL VENT WITH MESH 100 X 100MM	100x 100mm	304 SS	1mm	• Mesh backing is 304SS • Brush and powdercoated white finish available
A48VSW2020	STAINLESS STEEL VENT WITH MESH 200 X 200MM	200 x 200	304 SS	1mm	• Mesh backing is 304SS • Brush and powdercoated white finish available
A48VSW2215	STAINLESS STEEL VENT WITH MESH 225 X 150MM	225 x 150mm	304 SS	1mm	• Mesh backing is 304SS • Brush and powdercoated white finish available
A48VSW3020	STAINLESS STEEL VENT WITH MESH 300 X 200MM	300 x 200mm	304 SS	1mm	• Mesh backing is 304SS • Brush and powdercoated white finish available
A48VSW3030	STAINLESS STEEL VENT WITH MESH 300 X 300MM	300 x 300mm	304 SS	1mm	• Mesh backing is 304SS • Brush and powdercoated white finish available

VENT	VENT	TOTAL	ROWS	NO LOUVRE	TOTAL	SQ MM	Louvred vented	open area of mesh	Net vented area	% OF TOTAL
WIDTH mm	HEIGHT mm	SIZE sq mm	LOUVRES	PER ROW	LOUVRES	PER LOUVRE	SQ mm		SQ mm	AREA VENTED
100	100	10000	2	4	8	325	2600	59%	1534	15.3%
200	200	40000	2	9	18	520	9360	59%	5522.4	13.8%
225	150	33750	2	6	12	425	5100	59%	3009	8.9%
300	200	60000	2	7	14	575	8050	59%	4749.5	7.9%
300	300	90000	2	12	24	575	13800	59%	8142	9.0%

For more information see www.tetral.co.nz.



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