



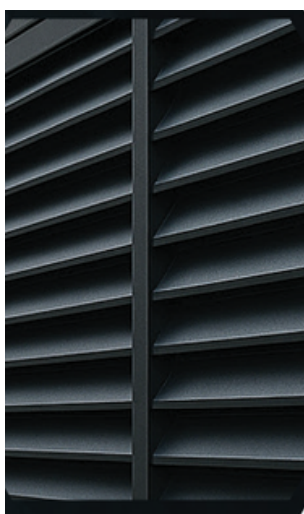
ZEUS System

Where power meets precision.

INVICTA
INDUSTRIES



Like its namesake, ruler of the skies and bearer of thunder, ZEUS stands resolute against the elements. Precision-formed blades deliver controlled ventilation, weather management, and bold architectural rhythm in equal measure.



Rain Defense: Class B 

Aerodynamics: Class 2 

Performance tested to AS/NZS 4740:2000

Key Features:

- 150mm deep extruded aluminum blade profile
- Horizontal orientated blades to enhance ventilation & weather proofing
- Ideal for industrial & commercial ventilation applications
- 25 year commercial Powder-coat warranty

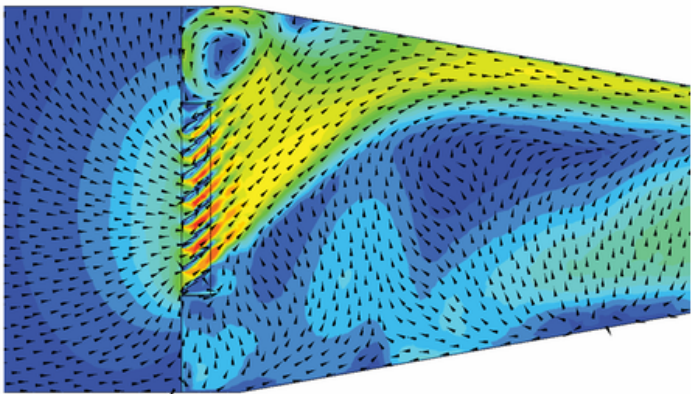
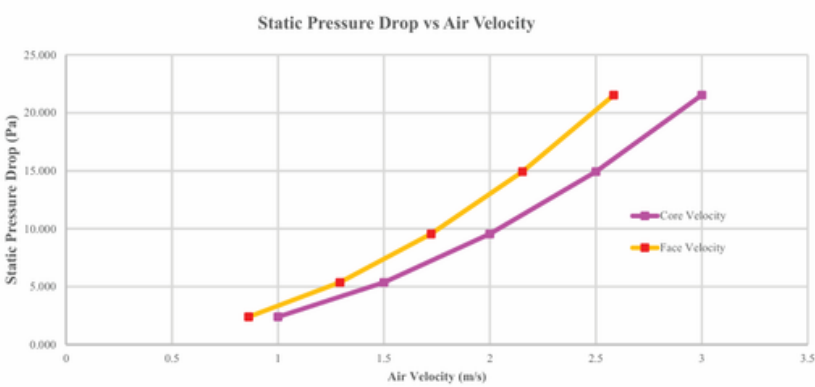
Performance Specs:

- 62.5% Free Open Area (FOA)
- 120mm Blade Pitch
- 1500mm Max Blade Span
- 6000mm Max Blade Length
- Conforms to incidental live load requirements

DESIGNED FOR THE
DIVINE.
ENGINEERED FOR THE
STORM.

Aerodynamics:

The pressure drop across the louvre is evaluated for different velocities across the louvres. The average discharge coefficient of the louvre is 0.502. Based on the discharge coefficient **Zeus Louvre achieves Class-2** performance rating. The resistance curve generated based on the static pressure drop evaluated from CFD analysis is as shown in graph below.



STATIC PRESSURE DROP VS. AIR VELOCITY CHART:

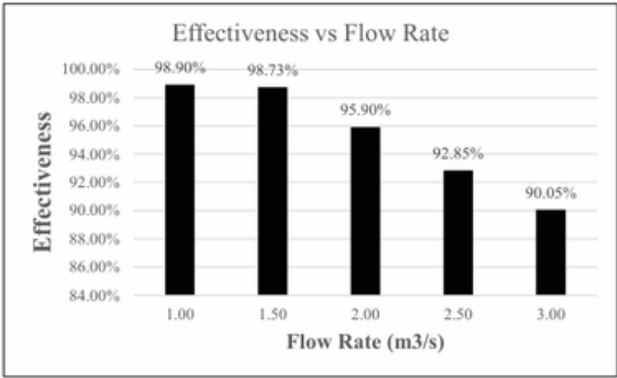
Air Velocity (m/s)	Static Pressure Drop (PA)
1	2.2391
1.5	5.365
2	9.558
2.5	14.924
3	21.531

Note: Standard recommendation is to remain below 30 Pa at 1.5 m/s.

Rain Defense:

The effectiveness of the Zeus Louvre in restricting the rain penetration for different ventilation flow rate is as shown in table below.

Average effectiveness of the Zeus Louvre is 0.95, hence Zeus louvre falls under a **Class B** rating.



Air Flow Rate	Effectiveness	Class
1	98.90%	B
1.5	98.73%	B
2	95.90%	B
2.5	92.85%	C
3	90.05%	C



Material Options:

Constructed from premium 6063-T6 extruded aluminium, delivering superior structural performance and long-term durability. Finished with high-quality powder coating or anodising for enhanced protection and refined aesthetics.

Optional Mesh Types:

Bird/Vermin: Galvanised or stainless steel

Insect: Fibreglass or aluminium

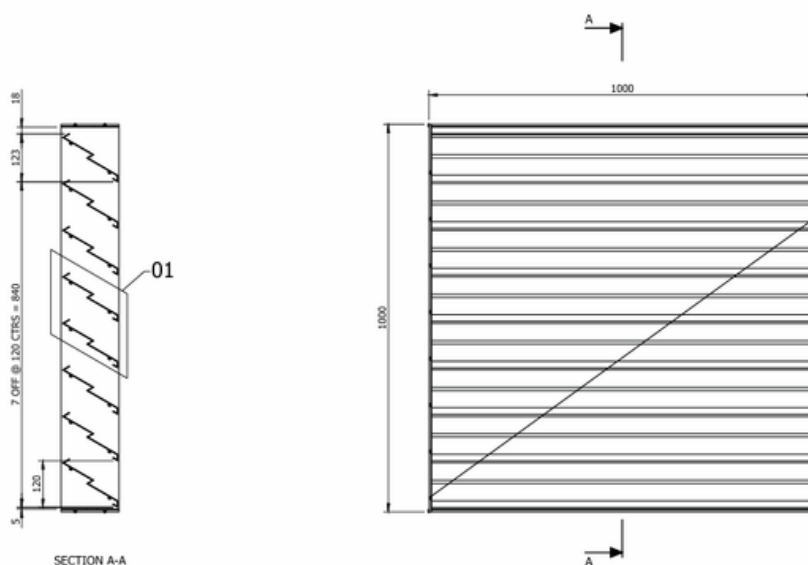
Custom finishes available upon request



In partnership with Alspec's GreenCore® technology, Invicta Industries now offers full louvre range in **low-carbon aluminium**. This innovation reduces embodied carbon while maintaining strength, precision and performance.

Accessories:

Integrated louvred doors designed for seamless access, featuring removable mesh panels for simplified maintenance and optional security grilles for enhanced protection.



Need more info?!

If you have any questions about this product, please speak to our expert team & they will guide you in the right direction. Info below.

Phone: 1300 197 937

Email: taylor@invictaindustries.com.au

Website: www.invictaindustries.com.au

 [invicta.industries](https://www.instagram.com/invicta.industries)



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