

ZEUS SYSTEM

CL 150MM



STORM RESISTANT LOUVRE

INVICTA
INDUSTRIES

ZEUS — King of the Elements

Master of thunder, ruler of the skies — ZEUS reigns above all.

Forged for dominance in the fiercest conditions, this louvre is not just named after the god of gods — it embodies him.

Father of **THOR**. Grandfather of **MAGNI**.

The lineage of performance continues.

Rain Defense: Class B — defying downpours.

Aerodynamics: Class 2 — engineered to breathe in the eye of the storm.

Whether battling gales or guarding against the deluge, ZEUS is your frontline defender — the ultimate shield in the war against the weather.



INTRODUCTION & ARCHITECTURAL FEATURES

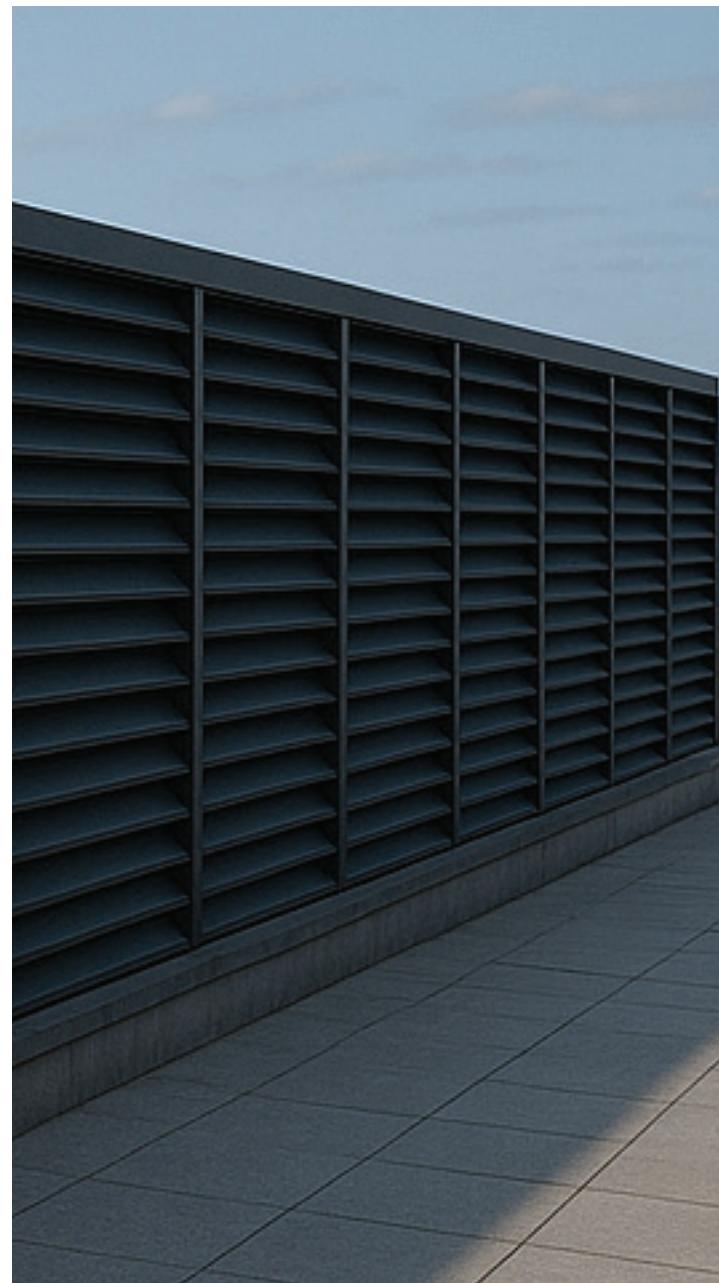


INTRODUCING ZEUS: THE NEXT GENERATION IN LOUVRE DESIGN

Engineered for storms, ZEUS is the latest large-format horizontal louvre system developed by Invicta Industries.

Designed for maximum airflow and rain defense, it excels in high-demand environments requiring robust screening and bold architectural expression.

Whether shielding plant rooms, equipment enclosures, or modern facades—ZEUS delivers uncompromising performance with commanding presence.



KEY FEATURES:

- 150mm deep extruded aluminium blade profile
- Horizontal oriented blades to enhance ventilation and weather proofing
- Ideal for industrial and commercial ventilation applications
- 25 Year Commercial Powdercoat Warranty

PERFORMANCE SPECIFICATIONS:

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

TEST CERTIFICATIONS:

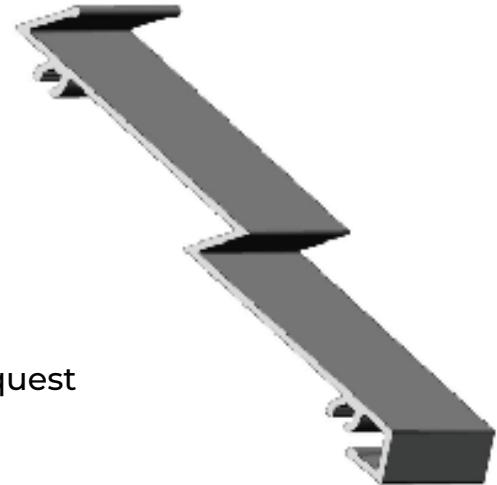
- Rain Defence: **Class B** (95% effectiveness AS/NZS 4740:2000)
- Aerodynamic Performance: **Class 2** (Discharge Coefficient: 0.502)
- Pressure Drop Testing: Conducted at air velocities (from 1-3 m/s)

DESIGNED FOR THE DIVINE.
ENGINEERED FOR THE STORM.

MATERIALS, FINISHES, ACCESSORIES & TECHNICAL PERFORMANCE

MATERIAL OPTIONS:

- Aluminium Alloy: 6063
- Temper: T6
- High-grade extruded aluminium construction
- Powder coating and anodised finishes



OPTIONAL MESH TYPES:

- Bird/Vermin Mesh: Galvanised, stainless steel
- Insect Mesh: Fibreglass or aluminium
- Customisation: Specialised finishes available upon request

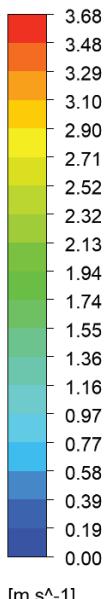
ACCESSORIES:

- Integrated louvred doors
- Removable mesh panels for easy maintenance
- Security grilles for added protection

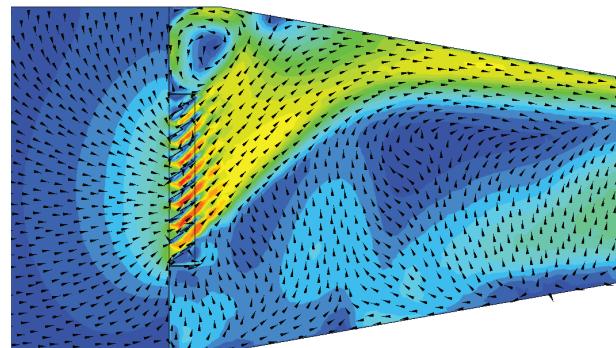
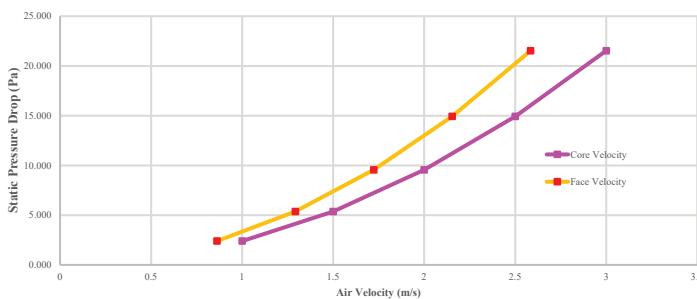
STATIC PRESSURE DROP VS. AIR VELOCITY CHART:

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.



Static Pressure Drop vs Air Velocity



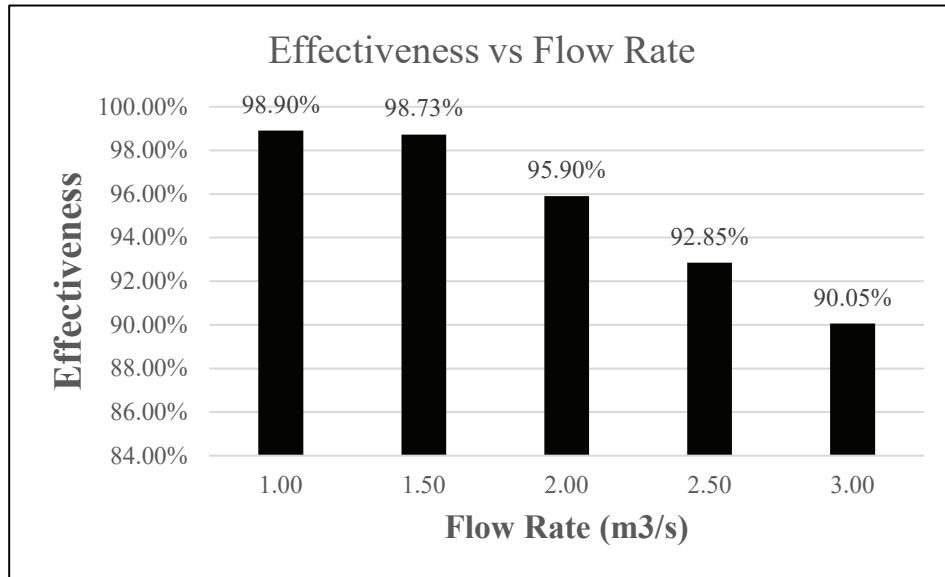
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[m s⁻¹]



STATIC PRESSURE DROP VS. AIR VELOCITY CHART:

Ventilation Air Flow Rate (m ³ /s)	Effectiveness
1	98.90%
1.5	98.73%
2	95.90%
2.5	92.85%
3	90.05%

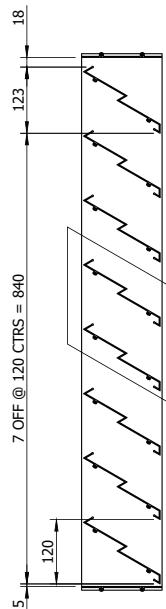


The ZEUS Louvre achieves an impressive average effectiveness of 95%, securing its place in the distinguished Class B rain defense category.

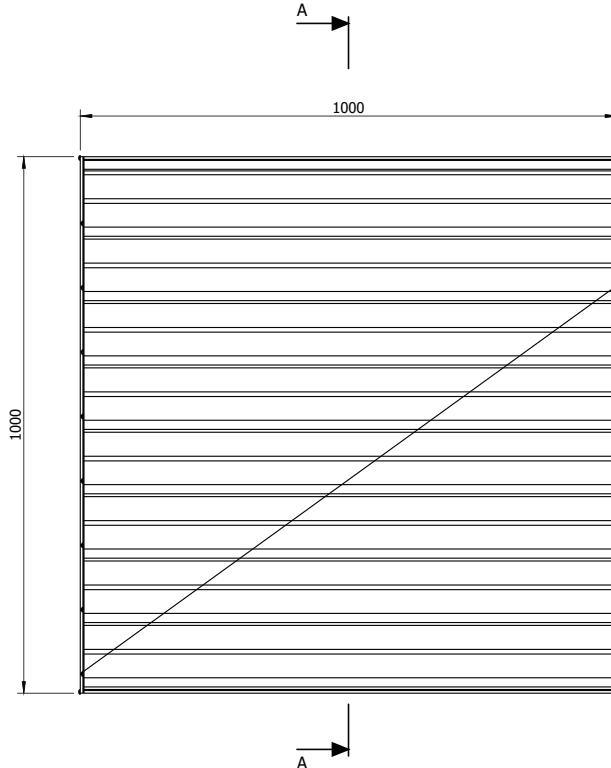
TECHNICAL ILLUSTRATIONS



SECTION VIEW DRAWING



SECTION A-A



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