



H SERIES DATA SHEET

Airocle's H Series is a Chevron louvre. Designed to provide high weather protection with minimal panel depth.

The easy snap on bracketing system allows a continuous look together with the ease of installation

Computational Fluid Dynamic Analysis was done to obtain credible data on this louvre.

- Depth of Blade = 94mm
- Blade pitch = 64mm
- Approximate weight = 12kg/m²
- Pressure drop no greater than 40 Pascal at 3m/s
- Available complete with all hardware
- Available in panel or continuous

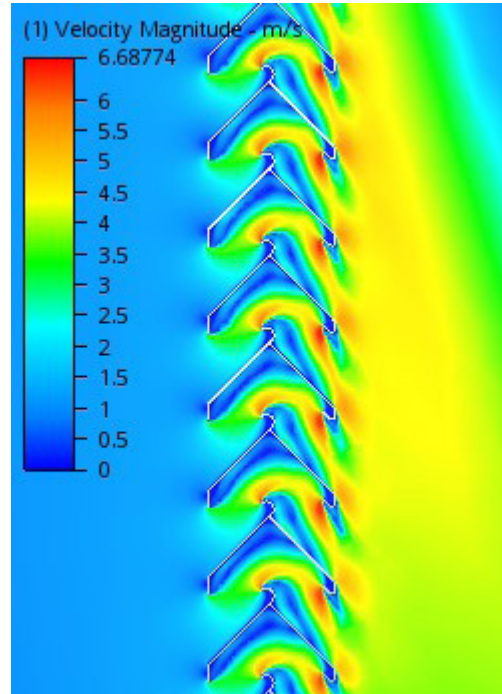


Figure 1: H Series CFD Testing, Velocity Vector

PERFORMANCE SPECIFICATIONS:

- Free Open Area,
FOA = 51.6%
- Coefficient of Discharge,
Cd = 0.35
- Effective Aerodynamic Area,
EAA = 0.176

PERFORMANCE LEVEL:

According to AS 4740: 2000 (Natural Ventilators—Classification and performance)

- Airflow Performance: Class 3

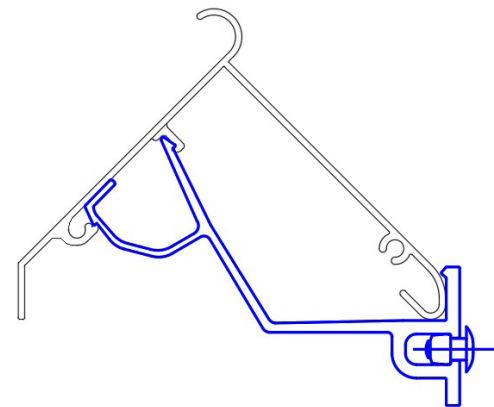


Figure 2: H Series Chevron Extruded blade in black and bracketing system in blue

IMPORTANT NOTES

It is important that the wind velocity through the free open area (FOA) of a louvre is identified. This will then determine the pressure drop of the louvre and will govern the degree of possible water penetration due to rain. No external louvre can carry a guarantee that water penetration will be prevented in all weather conditions involving wind and/or rain. When there is no control over the wind velocity passing through the louvre, the louvres' performance in relation to water penetration cannot be guaranteed. Airocle can assist in selecting a louvre with the right performance class, and understanding the circumstances around the louvre to minimize water ingress. Contact Airocle if you require assistance in choosing the most suitable louvre for your needs.

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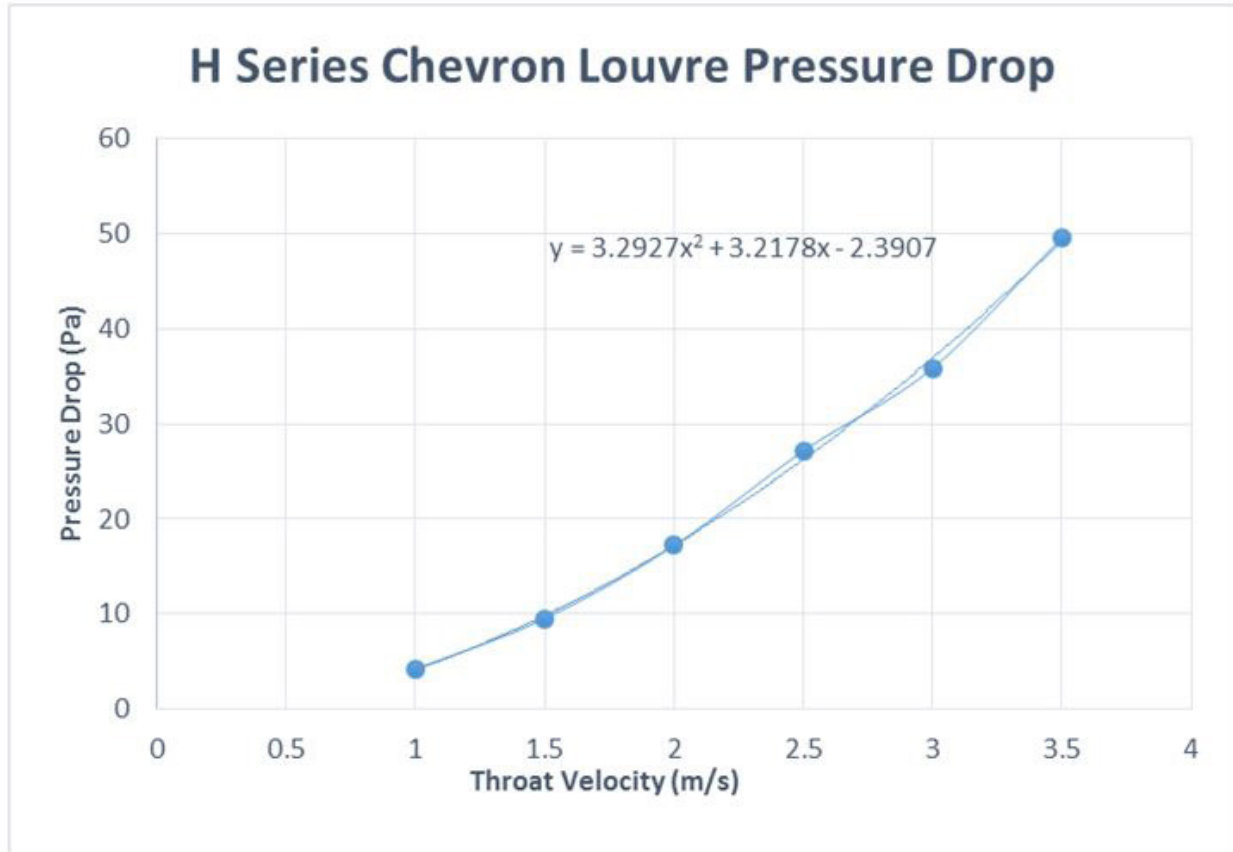


Figure 3: H Series Chevron Louvre (64mm pitch) Pressure Drop Graph for a 1m H x 1m W Louvre Panel

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