



B SERIES DATA SHEET

Airocle's B Series is a high airflow louvre.

Designed to provide high performance and weather protection with minimal panel depth.

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

- Depth of Blade = 95 mm
- Blade pitch = 100 mm
- Approximate weight = 10kg/m²
- Pressure drop no greater than 17.5 Pascal at 3 m/s
- Available in a panel or continuous look

PERFORMANCE SPECIFICATIONS:

- Free Open Area,
FOA = 58%
- Coefficient of Discharge,
Cd = 0.55
- Effective Aerodynamic Area,
EAA = 0.319

PERFORMANCE LEVEL:

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

- Airflow Performance: Class 2

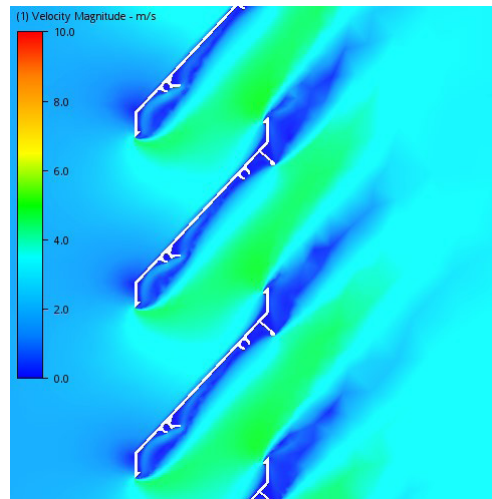


Figure 1: B Series CFD Testing, Velocity Vector

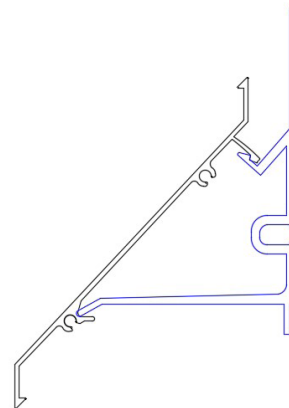


Figure 2: B Series Extruded blade in black and bracketing system in blue

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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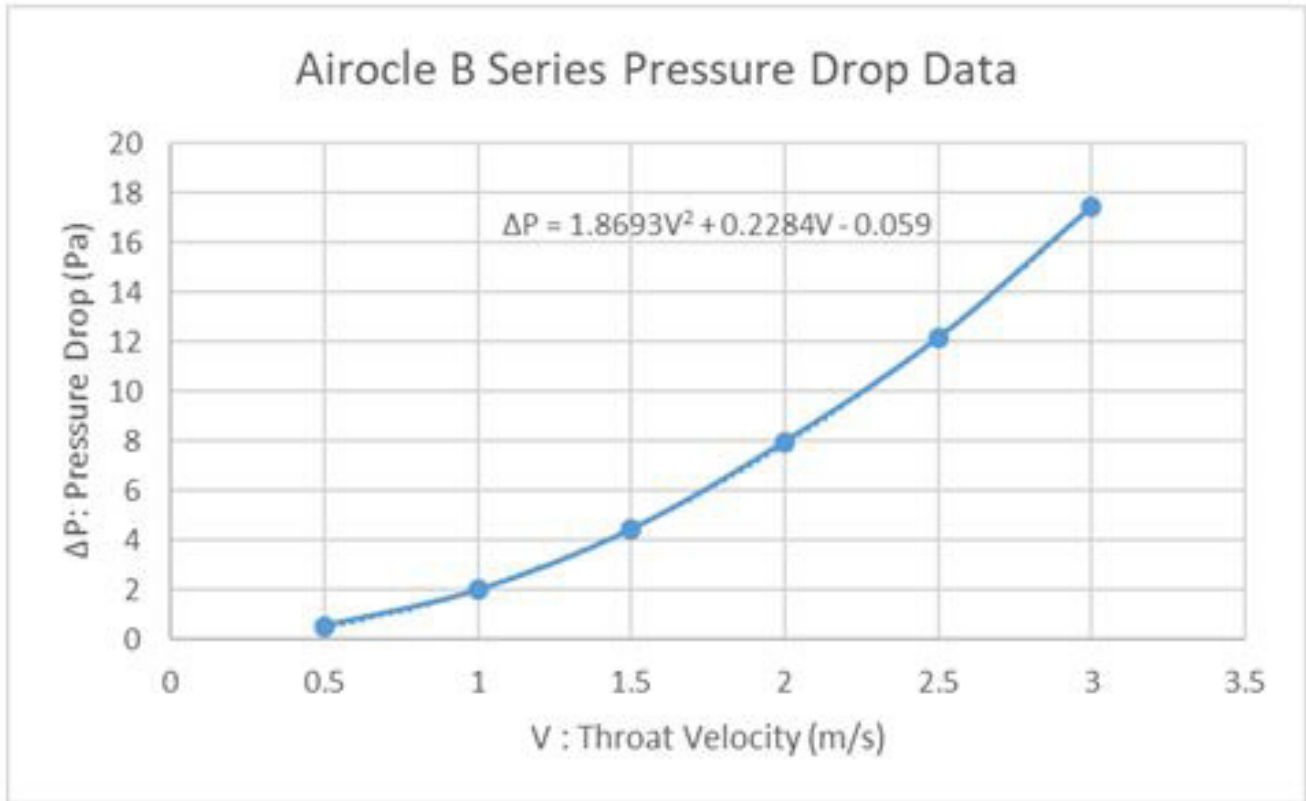


Figure 3: B Series Louvre Pressure Drop Graph for a 1m H x 1m W Louvre Panel

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