

90100



PLANT ROOM | VENTILATION

LOUVRE FREE AIR: 51% MINIMUM

PRODUCT DESCRIPTION

A single-stage vertical-blade louvre designed for uniform intake or exhaust where a clean, upright expression is preferred. Vertical geometry naturally sheds wind-driven rain down the façade better than flat horizontal slats, which helps reduce carry-over in exposed positions (still not weatherproof).

Use 90100 when: you want the look of vertical slats and you're screening plant or risers where a one-stage profile (with standard flashings/drainage) is appropriate.

MATERIAL

STANDARD - Australian extruded aluminium 6063-T5
OPTIONAL - High quality Australian steel, vermin/bird mesh

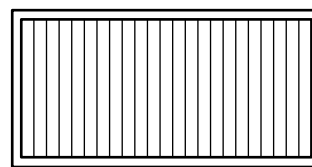
FINISH

STANDARD - Mill Finish or Natural anodised
OPTIONAL - Colour anodised or powder coated

INSTALLATION

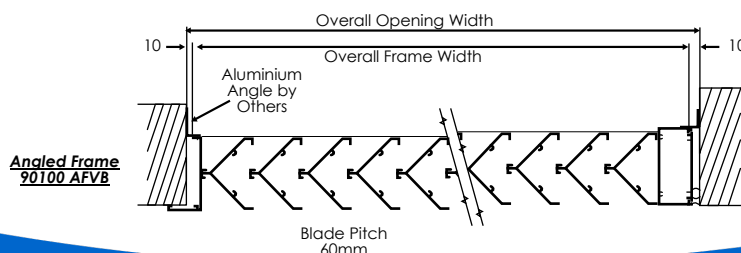
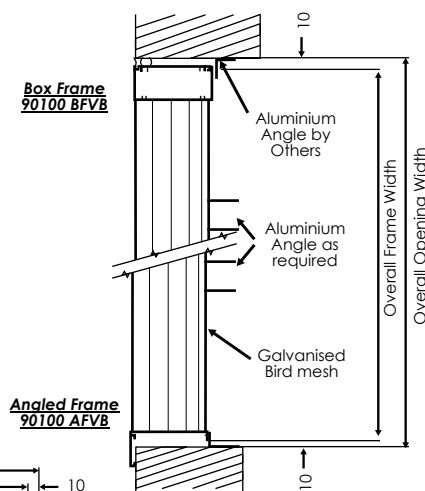
Supplied as 90100 BF (box frame) or 90100 AF (angle frame) modules in vertical (VB) or horizontal blade (HB) configuration for fixing to openings or sub-frames

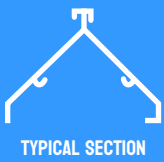
DESIGN & DIMENSIONS



OPTIONAL - Blade Vertical or Horizontal

NOTE: Single stage louvres by their design are not weatherproof. A clearance of 1 1/2 times the louvre height should be allowed between the louvre & equipment.

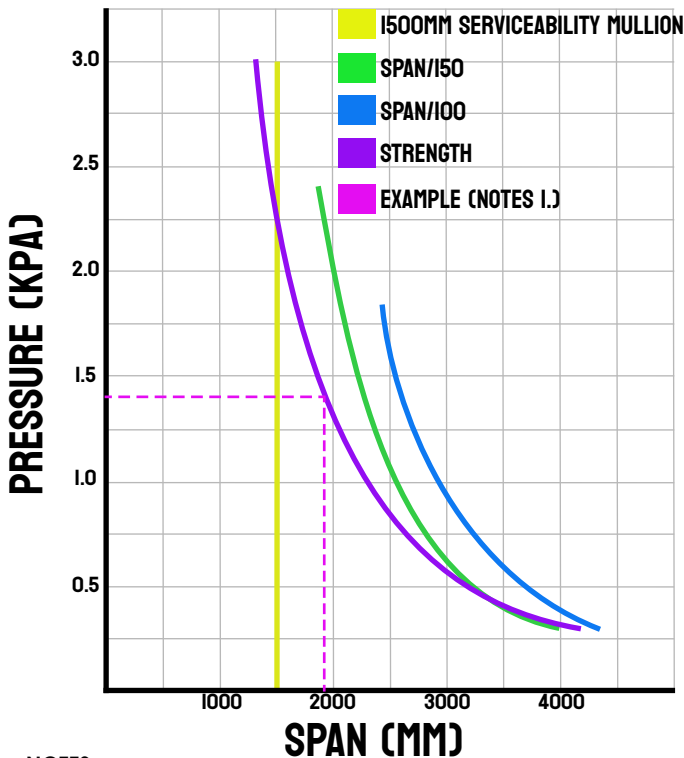




90/100

ENGINEERING GRAPHS

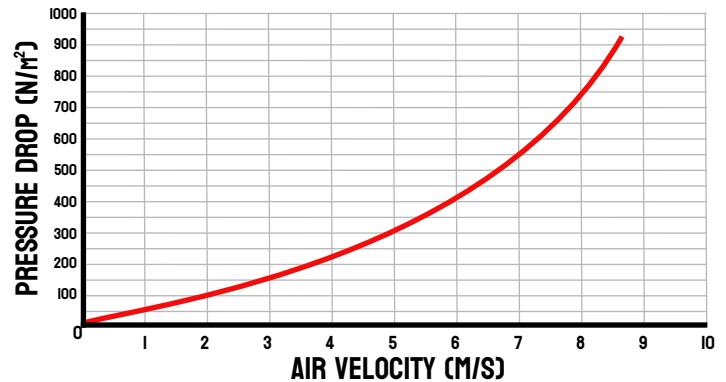
SAFE LOAD TABLE



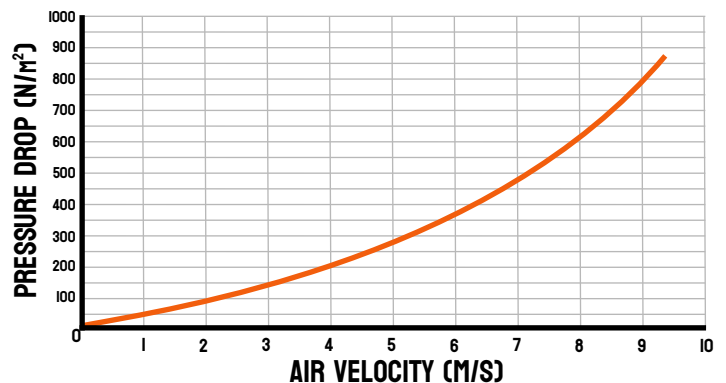
NOTES:

1. EXAMPLE: If the above louvre is required to resist a working pressure of 1.4KPa the maximum span possible is 1900mm
2. A serviceability mullion is required for lengths greater than 1200mm.
3. Two deflection curves are included to cover areas which are not governed by strength - i.e. Low pressure zones
4. The Span (mm) is the horizontal distance between mullions

PRESSURE DROP MEASUREMENTS FLOW INSIDE TO OUTSIDE



FLOW OUTSIDE TO INSIDE



Tests performed by: TECHSEARCH INCORPORATED
Reports generated by: DARE SUTTON CLARKE ENGINEERS

COMPLIANCE

Structural design actions: wind pressures by AS 1170

Aluminium design/stresses: AS 1664

Fabrication from 6063-T5 extrusions to industry tolerances; project-specific engineering available

ADA Louvres are completely Australian owned and made. We work to your specific needs with customisable sizing, finishes, and configurations to fit seamlessly into your home or business. For more information and a free quote please contact us at