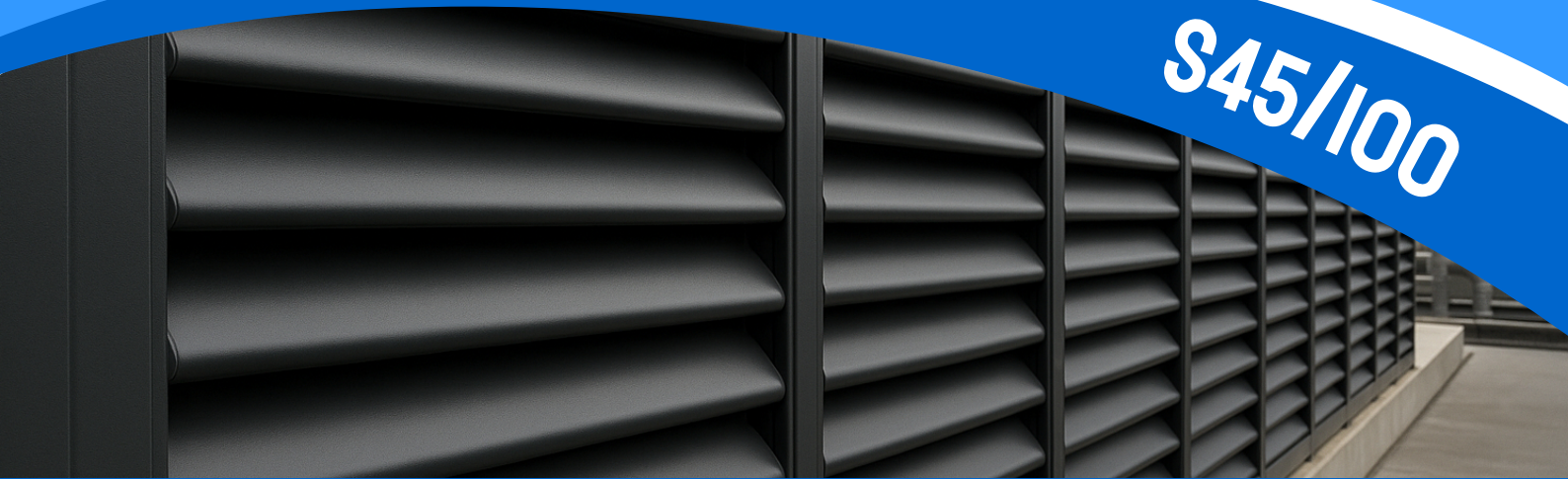




S45/100



DOOR GRILLE | VENTILATION | PLANT ROOM

LOUVRE FREE AIR: 55% MINIMUM

PRODUCT DESCRIPTION

Single-stage horizontal 45 degree louvre with 100 mm blade pitch, supplied as Box Frame (S45/100 BF) or Angle Frame (S45/100 AF) with mullions as required. Minimum free area: 55 percent. Ideal for plant rooms, risers and façade or rooftop screening where weatherproofing is not critical.

MATERIAL

STANDARD - High quality Australian extruded aluminium

OPTIONAL - High quality Australian steel, vermin/bird mesh

FINISH

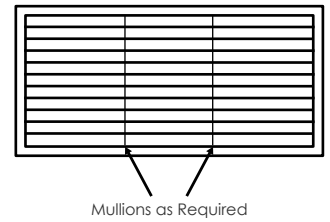
STANDARD - Mill finish or natural anodised

OPTIONAL - Coloured anodised or powder-coated

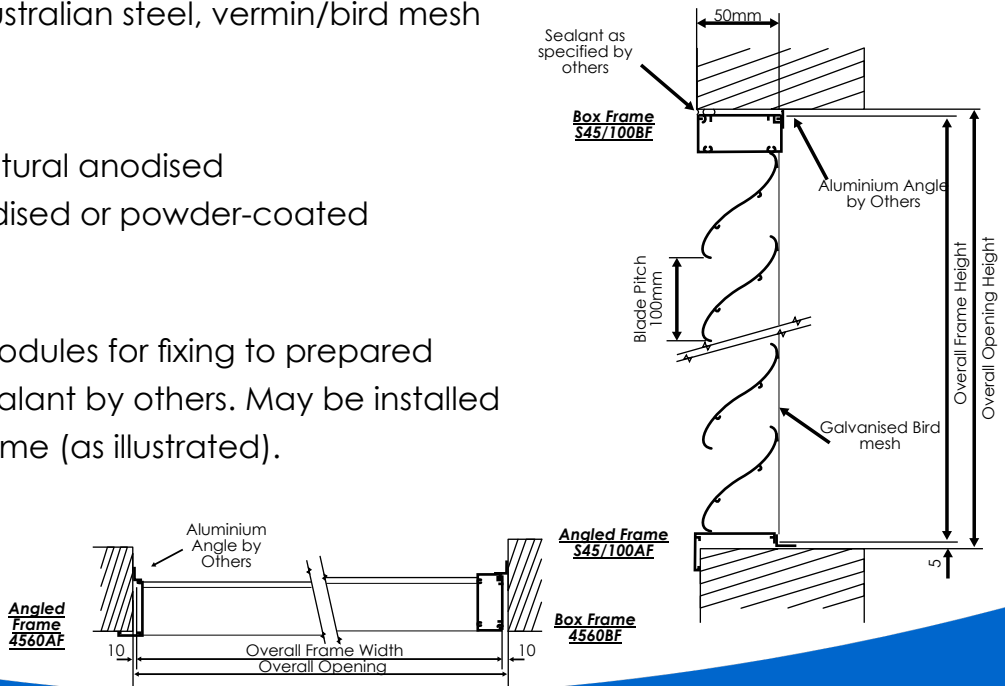
INSTALLATION

Supplied as factory-built modules for fixing to prepared openings or sub-frames; sealant by others. May be installed in Box Frame or Angled Frame (as illustrated).

DESIGN & DIMENSIONS



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.

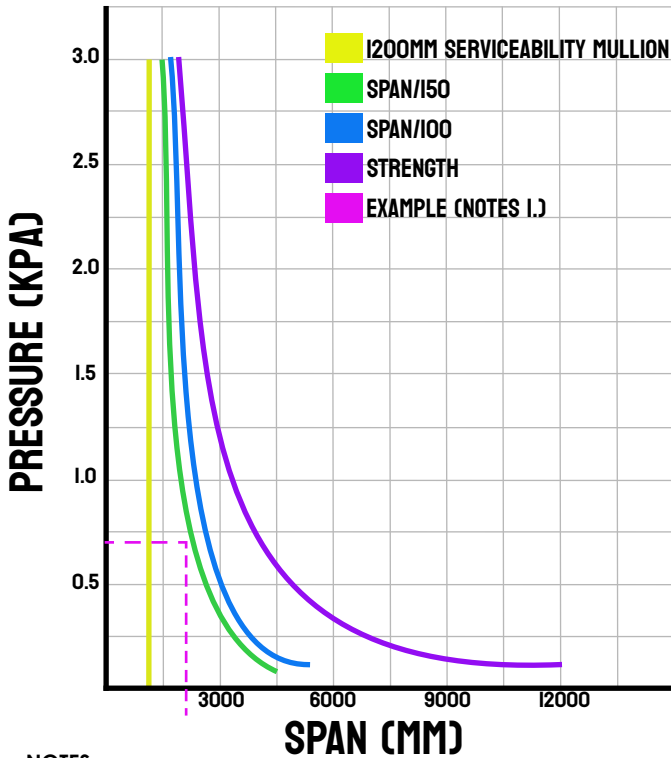




S45/100

ENGINEERING GRAPHS

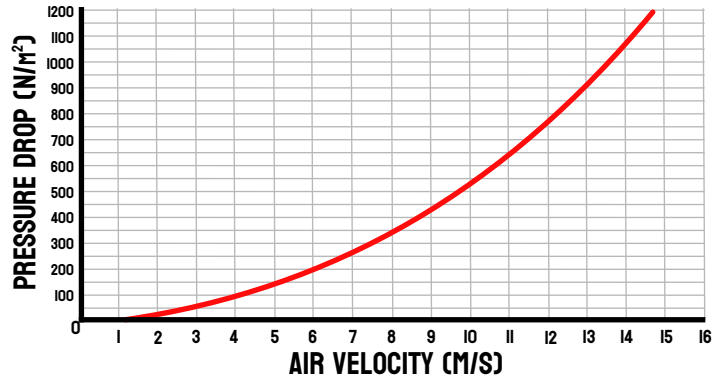
SAFE LOAD TABLE



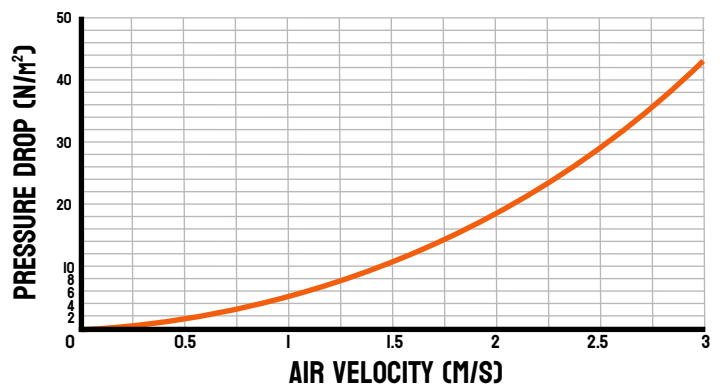
NOTES:

1. EXAMPLE: If the above louvre is required to resist a working pressure of 0.8KPa the maximum span possible is 2400mm
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