

# SPECIFICATIONS



## Vollay V9000 MSLS-A – Mono Skin Louvre System-Adjustable

This system can provide a range of blades sizes, which can be adjusted to at the required angle in the area or opening, either with in a full four-sided frame or a top/bottom or side-mounted spacing aluminium frame member.

Available mono skin aerofoil blade sizes include the one-piece 200mm and 300mm blades, the two-piece 600mm and the three-piece 900mm blade, which can be installed as an awning, vertical either on the face or over an opening and horizontal to the face of the wall, horizontally over an opening or in an awning format.

The system can be provided with either a rear mounted, complete four sided or two sided frame inside an extruded aluminium frame using the 100 x 40 mm or the 150 mm x 80 mm framing system when there is no existing fixing points for the louvres.

The frames are assembled with stainless steel fixings and allow the louvres to be installed inside a recess, to the outside of the structure or over the top of an opening so the blade can be adjusted to the ideal angle, which offer the shading and privacy required.

When installing the MSLS-A system into an existing structure, we have a range of edge attaching fixing plates and various end plates, which allow the blades to pivot from a central point or its edge inside the frame.

These edge or end plates are machined on our CNC machining centre from aluminium sheet and this allow the development of custom bracket designs for your application. With a wide range of rear attaching concealed bracket designed available, the V9000 system enables the use of our full range of louvres to be attached to existing structural members.

Inside the frame the blades can be adjusted to provide the optimum blade angle and shading required, the concealed fixing are machined into the frame, attached from the rear and the blades are attached using stainless steel fixings.

## LOUVRES SOLUTIONS FOR ALL SEASONS



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The MSLS-A louvers can either be installed inside a recess, to the face of the wall using angle brackets from our wide range of sizes or can be attached to a tracking system to slide once closed. The frames can also be cantilevered off the wall using either a suitable wall bracket, a flat bar stay or a suspension rod brace from the V9000 range.

The selected blade is inserted into a range of our edge attaching brackets and secured with stainless steel fixing. These are interconnected with an extruded aluminium control rod, which control the rotation of the Louvre bank.

The blades are then attached thru a HDPP bush to the frame using a stainless steel pivot, which provides years of smooth trouble free operation. The blade ends are covered with a 3mm thick aluminium end cap, held in place with 3 mm stainless steel fixings.

When the blades are required to run vertically down the wall, we can attach a structural aluminum pivot member, which can be an angle or channel. This is normally attached to the slab edge, into which we have machined the blade pivot points. This allows the blades to pivot off the wall, but close tightly over the opening to offer excellent light control.

The blades are held in the desired open and closed position with a gas strut, which secures the blades in position and can be supplemented with a locking pin when required. When using the larger blades, each blade needs to be opened and closed separately while the small blades are joined with an extruded aluminium L shaped control rod.

The blade is attached with an extruded blade bracket thru the angle using an 8mm stainless steel bolt to the section attached to the slab edge. To the horizontal fixing angle we machine a range of fixing holes to enable the angle to be fixed to either the wall or the slab edge with suitable anchors.

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Aluminium shall be extruded to Australian Standards AS 1866:1997

Aluminum sections shall be powder coated to AS 3715-2002

Aluminum sections shall be anodised to AS 1231-2000 and complies with corrosion resistance as per AS1580.457.1.

All fixings, bolts, screws and Pivots are manufactured from Stainless Steel.

All plastic parts are manufactured from U. V. resistant HDPP (High Density Polypropylene) or similar

**Please contact our office for a complete range of CAD drawings or any further assistance.**

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