

SPECIFICATIONS



Vollay V2000 GLS-M – Glass Louvre System-Motorised

The system shall be based on a central motor housing mullion from extruded aluminium that is 80mm wide and 150mm deep. This connects on either side to a half stile, which interlocks into the next bank to provide a matching 80mm x 150mm stile.

The motor housing encloses the drive system, which consists of the motor, extruded aluminium drive shaft, gearboxes, tilting shafts, idle linkage, electrical controls and cables. The motor housing mullion has an extruded cover plate, which is located internally on the 80mm face to allow access to the compo entry for maintenance.

The vertical member design incorporates the option to insert an aluminium extrusion into the 150mm wide face to allow for either the louvre mechanism and / or glazing channel which holds the suitable thickness fixed glass to provide either a balustrade or glass infill where louvres are not required.

Inside the central motor housing is mounted a 20, 40 or 60 Newton Meter drive electrical motor with an integrated reduction planetary gearbox rated at IP66 when enclosed in the housing. The motor also includes both inbuilt adjustable limit switches and a thermal overload.

The motors, tilting gearboxes and linkage system can be accessed from inside the building by removal of a full-length extruded aluminium cover plate. The motor housing includes provision for cabling and room to house a range of remote control receivers.

This motor is connected via a 14mm diameter 6 spline extruded aluminium drive shaft, which derives a series of 28:1 gearboxes that are connected internally via a tilting shaft to the idle linkages.

Each of the linkages is connected through an extruded aluminium centre boss, which is held inside the gearbox with a stainless steel bearing. The dual stainless pivots to the blade holder that will use a range of toughened glass louvres are then connected to the extruded aluminium boss.

LOUVRES SOLUTIONS FOR ALL SEASONS



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The pivot can be located either centrally or be offset subject to the blade width and would ask you to refer to the relevant table available upon request from our office.

The glass louvres are retained at both ends inside the blade holder with a stainless steel screw and an aluminium end cap enabling this system to be used in bush fire areas.

The cutouts that are located between the blades ensure free blade operation.

Aluminium shall be extruded to Australian Standards AS 1866:1997.

Aluminum sections shall be powder coated to AS 3715-2002.

Aluminum sections shall be anodized 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 UV 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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