

SPECIFICATIONS



Vollay V8000 TRVS-M 150 – Tilt and Retract Venetian System – Motorised 150mm

The Vollay™ V8000 Tilt and Retract Venetian System – TRVS-150, is designed to incorporate the benefits of window shading when required and the option to retract the blind, when the need for protection from the sun is not required, to optimise the view.

The TRVS-150 System is based on an extruded aluminium blade which is able to operate in wind speed up to 3 times that of other similar roll formed venetian blinds. This allows the Vollay™ TRVS-150 System to be installed in areas which was out of bounds' to other systems, due to both Vollay™ superior extruded blade rigidity and its ladder tape system which uses 3.2mm stainless steel cable, verses the string tape used by other systems.

The extruded aluminium blade enables the TRVS-M 150 system to remain in position and still be functioning, long after winds have caused other systems to disappear behind their valances.

The Venetian Blade is an extruded aluminium blade three times thicker than similar roll formed venetians, available in a 150 mm blade width. Included into the blades extrusion design are cupped lips on both sides to further strengthen the blade. This also provides a key component in how we attach our stainless steel braided ladder cable to each blade.

The extruded blades are spaced with a ladder tape, comprising of a 3.2mm multi strand stainless steel cable on which is located a patented two piece aluminium swivel blade link, held in place in the correct spacing with a swage. This ladder tape system is up to 6 times stronger than other kitted yarn systems and it truly UV resistant.

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The blade also includes a central fixing channel, which allows the Delrin self-lubricating side roller guides to be attached to the venetian blade at either end.

The side roller guides are held within a range of extruded aluminium side channels, which include sections able to be imbedded into walls or span between slab edges.

Other wire guided systems affect the function of the blind opening and closing as they do not allow the full free movement of the blind and rattle when exposed to wind. Whereas the V8000 TRVS-M 150mm system's side guide allows the blind to fully open/close and retract/lower while remaining in place when exposed to winds.

With the benefit of both the vastly stronger blade and the side channels, the TRS-M 150mm system is able to cover window openings of up to 6,000mm wide and 3,000mm high with a single blind.

The V8000 TRS-M system also has the unique feature of two motors. The first is a geared motor, which only operates the tilting function of the blades through a steady 15-second cycle, making the fine adjustment of the blade angle simple and is ideally suited for Cbus/BMS type systems. The blade travel is controlled by a pair of limit switches that allow the blade rotation to be controlled.

The second motor is the blade lifting/lowering motor, which uses a 10mm, high tensile UV resistant lifting ribbon manufactured in Europe to raise the slats. The motor is attached via a drive shaft to a tape drum held within a support in the head box. The ribbon then passes through the machined holes within the blades and is attached to the base with a non-slip clamping system.

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The motors, tilting and lifting system are concealed within an extruded aluminium head box, which are 150mm and 180mm. The head box includes a removable cover to access the motor to allow calibration and maintenance.

The head box can be attached through either its top or face to allow for either a ceiling or face fix using our extruded fixing plates.

The blinds are supported with a range of sensors including a two-stage wind sensor. With this feature, should the wind be excessive and have the potential to damage the blind, the first wind sensor opens the blind to reduce the wind pressure, so you still have the benefit of shading and privacy compared to other systems which will have retracted into their valances.

Should the winds increase further, the second sensor will activate the PCL so the blind is then retracted into the pelmet. The two wind sensors are able to be connected and control banks of blinds by integrating them through our PLC system.

The TRS-M 150mm blade profile has the same shape as the V9000 150mm aerofoil blade and enables you to mix and match the blades and enjoy the same texture on the building.

The system is also able to utilize the full range of our V6000 control and automation systems.

The blinds are able to be finished in a wide range of powder coated or anodised finishes.

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Aluminium shall be extruded to Australian Standards AS1866:1997

Aluminium sections shall be powder coated to AS 3715-2002

Aluminium sections shall be anodised to AS1231-2000 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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