

TWINCABRIO

RAIL MECHANISM

THE BEST VENTILATION MECHANISM FOR CABRIO GREENHOUSES

Is your crop suitable for cultivation in a Cabrio greenhouse? Are you considering building such a greenhouse? Then the new TwinCabrio rail mechanism from Van der Valk Systemen is certainly worth looking at. The system is distinguished by two push-pull tubes placed one above the other and an unique patented telescopic construction. The TwinCabrio rail mechanism offers you the maximal range of ventilation possibilities and is the best ventilation mechanism for your Cabrio greenhouse.

LARGE VENTILATION COMPARTMENTS

The TwinCabrio rail mechanism has an unique construction, with the push-pull tubes (for independent operation of the two halves of the roof) installed not side by side but one above the other. In this manner the two sets of push rods (the upper and lower push-pull tube, respectively) run through each other, and the screen can freely fit against the truss. The push-pull tubes of the TwinCabrio rail mechanism have a larger diameter than 'normal'. This makes them stronger, so larger ventilation compartments can be created with fewer motors and less wiring.

The calculations for the TwinCabrio rail mechanism are prepared for each situation by an unique calculation programme (commissioned by Van der Valk Systemen and developed by TNO Bouw). This programme calculates the forces exerted on the entire mechanism and the space required between the two sets of push rods. Thanks to this tool, the free movement of the push rods can be guaranteed.

VAN DER VALK SYSTEMEN COMPANY ON THE MOVE

The durability of greenhouses mainly relies on the components that slide, clamp, push, pull and turn. After all, these are the components that ensure that your greenhouse keeps moving. This is why all moving components from Van der Valk Systemen have at least one thing in common: each and every one of them is of the highest possible quality. It's not surprising that Van der Valk Systemen has been the market leader for years in the field of vent opening systems and materials for screening installations for the greenhouse industry, and it's also been the source of the most important innovations for just as long.

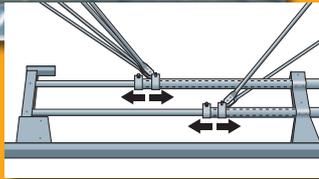
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MECHA(U)NIQUE



With the TwinCabrio rail mechanism, the two window push rods run through each other (on the lower and upper push-pull tube, respectively). A unique calculation programme (commissioned by Van der Valk Systemen and developed by TNO Bouw) precisely calculates the space they require for each situation. Friction is eliminated and operational safety guaranteed.



A clever, patented telescopic construction (completely rolling format) permits long lengths and prevents twisting of the push-pull tube, thus minimising the forces exerted on the greenhouse structure.

To ensure the required stability, the TwinCabrio rail mechanism incorporates the Stabimax® vent-opening mechanism and the Valk-Plus® window push rods, two important innovations from Van der Valk Systemen that are already being used around the world. The Stabimax® system consists of a hinge element that with its cunning form holds the push rods in an iron grip. Plus a unique clamp that is wide enough to easily absorb the tolerances of your greenhouse and is absolutely torsion-free. The Valk-Plus® push rods are made exactly to measure to your specifications according to a new and completely automated production process. They are treated in several unique ways to make them distinctive for their functionality and ease of mounting.

PATENTED TELESCOPIC CONSTRUCTION

A Cabrio greenhouse combines the benefits of cultivation in a greenhouse with the benefits of cultivation in the open air. But then the greenhouse roof must be able to open fully (and remain stable). Van der Valk Systemen developed a clever telescopic construction for the ends of the push-pull tubes. With this completely rolling construction, long lengths are possible without the push-pull tube being subject to twisting.

The TwinCabrio rail mechanism:

- Two push-pull tubes mounted one above the other
- Fewer motors and less wiring
- Completely rolling telescopic construction
- Screens possible on top tube
- Durable thanks to the use of the Stabimax® ventilation mechanism and Valk-Plus® push rods

Patented

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CONTACT VAN DER VALK SYSTEMEN OR YOUR GREENHOUSE BUILDER/INSTALLER FOR MORE INFORMATION.