

VAN DER VALK



StabiMaxTwin

Ventilation mechanism

The StabiMaxTwin rail system has a unique construction, with the push-pull tubes (for individual control of the two air vent sections) installed on top of each other on the truss. This allows the two sets of push rods (from respectively the upper and lower push-pull tube) to move through each other, and the screen can sit freely against the truss.

The StabiMaxTwin system consists of a hinge element with an exceptional form that keeps the push rods together in a steel grip. And it has a unique tube clip that, given its wide design, can absorb the tolerances of your greenhouse without difficulty and is absolutely free of torsion. The Valk-Plus push rods are customised exactly to your specifications in a completely automated production process. They undergo various unique processing steps to become distinctive in terms of functionality and ease of mounting.



StabiMaxTwin push rod

Unique properties

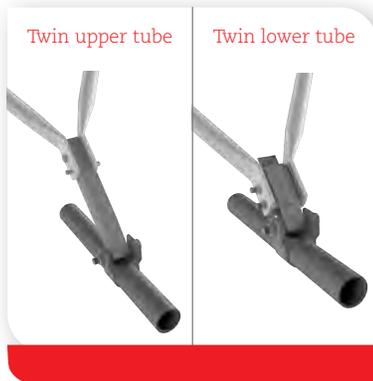
- ✓ Two push/pull tubes above each other
- ✓ Set of push rods moves simultaneously on the upper and lower tube
- ✓ Is combined with Valk-Plus vent push rods and StabiMax hinge element
- ✓ The screen can sit freely against the truss
- ✓ Screening on upper beam possible
- ✓ Double consoles, to be secured with two bolts
- ✓ Guaranteed 'free-running' of the push rods
- ✓ Calculation programme calculates the space required between the two sets of push rods



StabiMax hinge element

Unique properties

- ✓ Keeps the Valk-Plus push rods together in a steel grip
- ✓ Push rods are mounted in a twist-resistant manner
- ✓ The tube clip absorbs tolerances of 2 x 6 mm
- ✓ Prevents gear rack wear
- ✓ Improved climate control
- ✓ Extremely uniform ventilation gaps
- ✓ Perfect seal when air vents are closed
- ✓ Higher CO2 dose, better energy savings
- ✓ Lower tube with expander or extension
- ✓ Upper tube with long hinge



Sustainable

For the required stability, the StabiMaxTwin uses the **StabiMax ventilation mechanism** and the **Valk-Plus push rods**. These two familiar innovations of Van der Valk Horti Systems are now being used all over the world. The StabiMax ventilation mechanism works optimally in combination with the Valk-Plus push rod, which is customized to your specifications in an automated production process.



✓ A reinforced lip to withstand strong forces



✓ A unique article code for faster mounting and easy re-ordering



✓ Bending of the lips to the angle you require for your ventilation mechanism

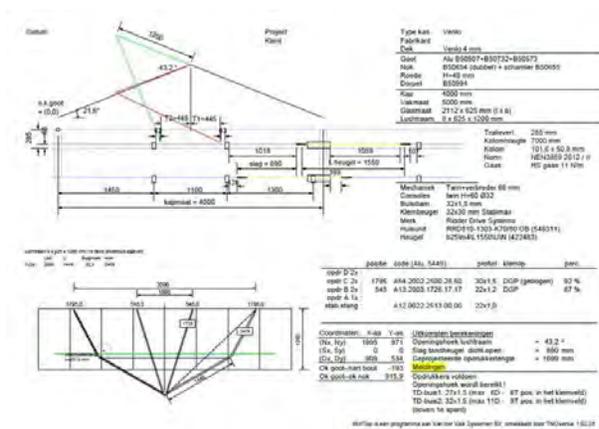


✓ Clever condensation holes prevent moisture accumulation and frost damage

Calculation tool

The StabiMaxTwin ventilation mechanism is calculated in detail for every situation using the unique calculation programme WinTop. In collaboration with TNO (the top independent research institution in The Netherlands), the WinTop calculation programme was developed.

On the basis of several variables (the geometry of the covering, the maximum local wind load, the preferred opening angle, etc.), all factors are calculated that could affect the reliability of the system. This concerns factors like the required construction strength, free-running of the mechanism with regard to the covering construction, and position of the rail consoles and gear racks.



WHY VAN DER VALK HORTI SYSTEMS?

- Globally, the only specialised company that focuses completely on the development and production of vent-opening systems and screen systems
- Engineering and production in house
- Innovative systems with distinctive advantages for the grower
- Rapid and reliable deliveries thanks to modern machine park and large stocks
- Technical, commercial and project support from enthusiastic employees
- Fast, efficient mounting thanks to unique, well-designed and high-quality components
- System supplier since 1963

DEVELOPER AND PRODUCER OF VENTILATION MECHANISMS AND SCREEN SYSTEMS



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StabiMaxTwin



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GreenTop



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