

ValkCabrio

Ventilation mechanism



A cabrio greenhouse combines the advantages of cultivating in a greenhouse with the advantages of cultivating outdoors. But then it must be possible to open the greenhouse roof fully and retain stability.

The ValkCabrio vent push rod/rail system of Van der Valk Horti Systems meets this need effortlessly. The system is distinguished by two push/pull tubes placed above or next to each other and a unique patented telescope construction for maximum ventilation possibilities.

Common properties

of the ValkCabrio types 2, 3 and 4

- ✓ Stronger due to larger diameter of push/pull tubes
- ✓ Larger ventilation sections with fewer motors and less wiring
- ✓ Unique calculation program:
 - calculated in detail for every situation
 - developed in collaboration with TNO Bouw
 - calculates forces exerted on the entire system

ValkCabrio type 2

Two push/pull tubes above each other

- ✓ Set of push rods move 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
- ✓ Guaranteed 'free-running' of the push rods
- ✓ Calculation programme calculates the space required between the two sets of push rods

ValkCabrio type 3

Two push/pull tubes next to each other

- ✓ Simultaneous movement of steel push rod tube left and right of the truss
- ✓ Option with aluminium Delta vent push rods
- ✓ Single consoles
- ✓ Consoles symmetrically positioned
- ✓ **NB:** for screening on the upper beam, the consoles have to be raised

ValkCabrio type 4

Two push/pull tubes next to each other and overlapping greenhouse covering

- ✓ Same as ValkCabrio type 3, but with more travel due to the asymmetric position of consoles
- ✓ Prevents rain entering due to overlapping greenhouse covering
- ✓ **NB:** for screening on the upper beam, the consoles have to be raised



Telescope construction: minimal forces

Van der Valk Horti Systems developed a clever telescope construction (patented) for the ends of the push/pull tubes.



Telescope construction
type 2



Telescope construction
type 3 and 4

With this fully rolling construction, greater travel distances are realised, without having to tilt the push/pull tube.

Result: minimal forces exerted on the greenhouse construction.

Sustainable

For the required stability, the **ValkCabrio type 2 ventilation mechanism** use the StabiMax ventilation systems and the Valk-Plus push rods. These two familiar innovations of Van der Valk Horti Systems are now being employed all over the world.

For the required stability, the **ValkCabrio types 3 and 4 ventilation mechanism** use steel push rods. Option to fit with aluminium Delta push rods.



Steel lifting mechanism with
aluminium Delta push rod

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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V04-2019

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Klimax



ValkScreenVision



StabiMax



StabiMaxTwin



XLDriveLine



GreenTop



ValkTriplePlus



ValkCabrio