

VAN DER VALK



XLDriveLine

Screen drive system

Van der Valk Horti Systems is introducing a new drive technique for screen systems: the XLDriveLine. It is well-known that cable-driven screen systems that are longer than 100 m are considerably less accurate. The traditional 3 mm steel cable just has too much stretch at that distance. That is why three screen systems are often placed in greenhouses with a gutter length exceeding 200 m.

This is no longer necessary with the XLDriveLine. With this new technology the steel cable is largely replaced by a massive and stable steel shaft which retains top precision to a length of 150 m. So you can cover a 300 m greenhouse with just two screen sections without losing climate control.



Long and strong

Sustainable materials

- ✓ Precise to 150 m in length with thin, solid steel shaft instead of 3 mm steel cable
- ✓ Only two screen sections required for a gutter length of 300 m
- ✓ Stainless steel cable 7x7 (Ø 4 mm) at the reversing pulleys
- ✓ Wire tensioners are standardly fitted with plastic cable drums



Economical

More precision for the same price

- ✓ Saving on materials like reversing pulleys and drive shafts
- ✓ Less maintenance given extra strong and sustainable drive system
- ✓ Fewer brace sections
- ✓ Delivered in complete sections that are easy to join up



KliMax XLDriveLine

Special slide system

- ✓ Effortlessly compensates for expansion and contraction of the greenhouse structure
- ✓ Ensures safe restriction of forces exerted on the greenhouse structure
- ✓ Increase of light due to the smallest possible screen package
- ✓ Sustainable due to adjustment of a specially developed plastic in combination with aluminium housing

XLDriveLine: a prime example

Installation

To simplify the installation of the XLDriveLine, the system is supplied by Van der Valk Horti Systems in complete sections, which can be quickly and easily joined up.

Screen strength and gap differences			
Standard KliMax compact 6 kg slide force			
No. of sections	Prestress required	Force on reversing pulley	Calculated gap difference
10	50 kg	160 kg	8 mm
11	53 kg	172 kg	9 mm
12	56 kg	184 kg	11 mm
13	59 kg	196 kg	13 mm
14	62 kg	208 kg	15 mm
15	65 kg	220 kg	17 mm
16	68 kg	232 kg	20 mm
17	71 kg	244 kg	22 mm
18	74 kg	256 kg	25 mm
19	77 kg	268 kg	28 mm
20	80 kg	280 kg	31 mm

* The theoretical values given above may deviate slightly in practice and are based on a section size of 5m.

XLDriveLine 6 kg slide force			
No. of sections	Prestress required	Force on reversing pulley	Calculated gap difference
20	80 kg	280 kg	4 mm
21	83 kg	292 kg	4 mm
22	86 kg	304 kg	5 mm
23	89 kg	316 kg	5 mm
24	92 kg	328 kg	6 mm
25	95 kg	340 kg	6 mm
26	98 kg	352 kg	7 mm
27	101 kg	364 kg	7 mm
28	104 kg	376 kg	8 mm
29	107 kg	388 kg	9 mm
30	110 kg	400 kg	9 mm

* The theoretical values given above may deviate slightly in practice and are based on a section size of 5m.



WHY VAN DER VALK HORTI SYSTEMS?

- The only company in the world specialising exclusively in the development and production of ventilation mechanisms and screen systems
- Engineering and production are both in house
- Innovative systems with distinctive benefits for growers
- Quick and reliable deliveries due to our modern machinery and large stocks
- Technical, commercial and project support provided by enthusiastic staff
- Quick and efficient mounting using unique, well designed and high-quality components
- System supplier since 1963

DEVELOPER AND PRODUCER OF VENTILATION MECHANISMS AND SCREEN SYSTEMS



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VAN DER VALK



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KliMax



ValkScreenVision



StabiMax



StabiMaxTwin



XLDriveLine



GreenTop



ValkTriplePlus



ValkCabrio