



OV90 TUNNEL

8m

9.30m



- + stronger
- + brighter
- + more volume
- = optimized climat control

With nearly 50 years of experience in the agro-industry, Richel Greenhouse has established itself as a market leader by offering its customers high-quality technologies that stand the test of time.

Gables



Raisable gable with open gable support kit



Gable with sliding doors (3.20m). Semi-rigid PVC covering

Ventilation



Large opening half-moon operated by cable or rack and pinion



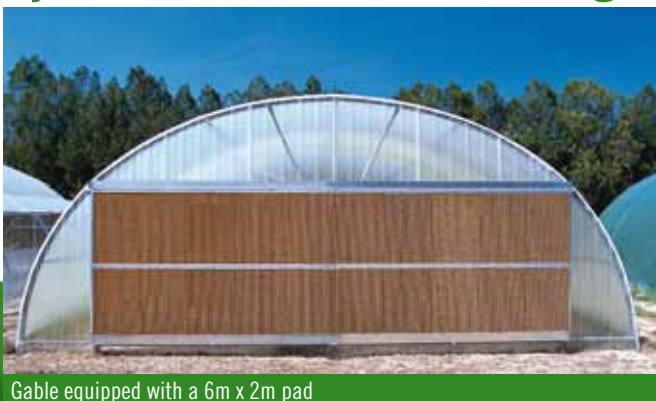
Films opened by cable and mechanised winch



Continuous side ventilation by rolling up the film (optional retractable arm and motorization)



Dynamic extraction and cooling



Gable equipped with a 6m x 2m pad



Semi-rigid gable fitted with 2 air extractors and a 1.60m sliding door

FRAME

The frame is made from Sendzimir-galvanised steel sheets that meet standards NF EN 10-346 and NF EN 13031-1.

- Arches comprising four 90 x 1.5mm ovalized tube elements with sleeve coupling, at intervals of 2.50m to 3m depending on the location of the installation.
- Anchorage: cross-based.
- Weld-free cross assembly (patented technology*) on interlocking $\varnothing 32 \times 1.5\text{mm}$ or $\varnothing 45 \times 1.5 \text{mm}$ trusses, depending on the climate – 5 rows of trusses (including 2 on the ground).
- Ends reinforced by additional trusses and diagonal tie-rods. Solid braced gable support bar.

QUICK ASSEMBLY

Fewer arches mean fewer parts to assemble on the OV90 tunnel (the outstanding strength of the OV90 tube allows for greater distances between the arches). The innovative Richel cross cuts down on assembly time.



Richel weld-free cross (patented technology*)

ROBUST

The use of special high tensile steels and the OV90 tube (see characteristics on the right) currently makes our tunnels the strongest on the market. Depending on the distance between arches, $\varnothing 45 \times 1.5\text{mm}$ trusses can be used instead of $\varnothing 32 \times 1.5\text{mm}$ trusses. By eliminating welding on the assembly crosses, risks of rupture due to climatic stress are significantly reduced.

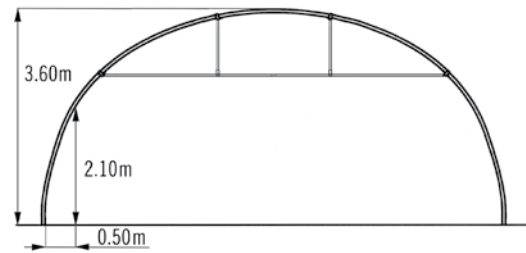
CROP SUPPORT

Crop support made of $\varnothing 32 \times 1.5\text{mm}$ tubes also offers snow and wind protection. 2 Options:

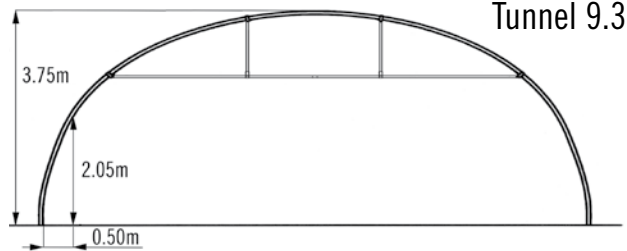
- 2.10m in height with 2 stays
- 2.50m in height with 2 stays

* Patent request filed

MODELS



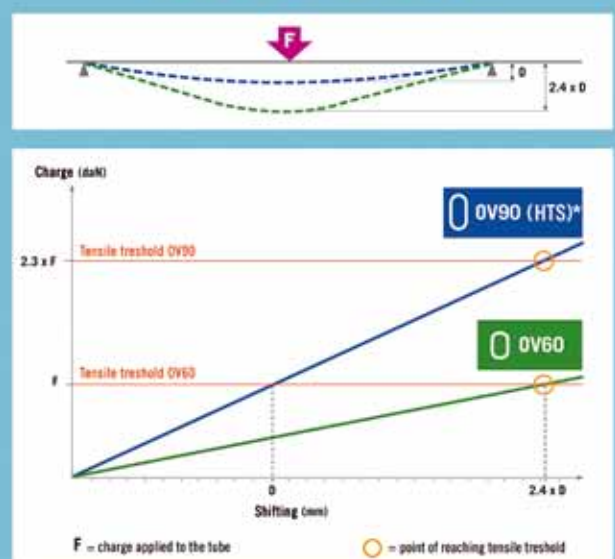
Tunnel 8m



Tunnel 9.30m



RESISTANCE TO BENDING COMPARISON CHART OV90 / OV60



OV90 HTS* can bear a charge 2.3 times heavier than OV60 to reach its elastic limit.

At equal charge, the OV90 HTS* has a deflection 2.4 times lower than the OV60.

SOCOTEC N° 12990/09/2116

* HTS = High Tensile Steel



Discover our Equipment range: whether it be design, selection of materials, installation or maintenance, the RICHEL GROUP is the expert partner you've been looking for to satisfy your greenhouse equipment needs.



Our distributor



ZA des Grandes Terres - 13810 Eygalières - France - Tel. +33 (0)4 90 95 14 68 - Fax +33 (0)4 90 95 12 93 - E-mail: info@richel.fr

www.richel.fr

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