



VENT OPENING AND AUTOMATIC SYSTEMS

Cofeal offers a wide range of automatic systems and drive units.

These systems make the climate management inside greenhouses easier by means of:

- Gearmotors for sidewall opening with telescopic boom.
- Gearmotors for roof vent opening with movement transferred via drive tube and racks.
- Top-down opening systems available on request.
- POLA switchboards for the climate management inside the greenhouse with temperature, wind, rain and moisture control.
- Complete systems for greenhouse artificial lighting.



Sidewall opening

Sidewalls can be provided with single or double vent openings according to their height and the type of structure.

These are secured by means of aluminium profiles, tubular or flat, with one or two grooves, reinforced according to the desired type of opening and the arch spacing.

The roll-up system is composed by roll-up tubes of hot galvanized iron \varnothing 27-33 with square joints and clips to secure the film.

Cranks are also used and the choice between light or heavier models depends on the greenhouse length.

Alternatively, we can deliver manual gearboxes with different ratios (1:5, 1:16, 1:19).

Arches of galvanized iron (diameters 20-22-27 mm) help prevent the roll-up system from swinging.

The side skirting at the bottom of the opening is a fixed greenhouse part made of double plastic film or multiwall polycarbonate, 6-10 mm thick, equipped with the corresponding fixing aluminium profile.

MOTORIZED DOUBLE VENT OPENING



MANUAL SINGLE VENT OPENING



MANUAL SINGLE VENT OPENING





Roof Vent Opening

According to the ventilation needed by the customer, single or double vents can be installed on the ridge. Vent openings have standard widths of 1.50 or 2.00 m.

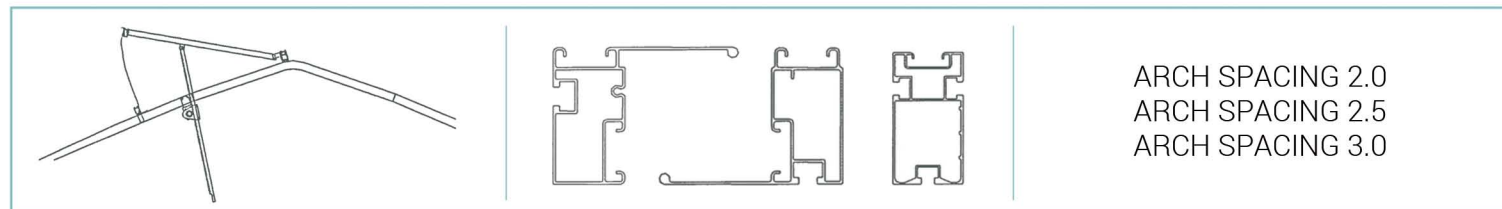
They are actuated by a drive tube of galvanized iron $\varnothing 33 \times 2 - 2.5 - 3$ mm together with toothed racks and their supports/protection covers.

We offer numerous vent opening solutions, with round aluminium profiles with one groove, whose weight varies according to the arch spacing of a greenhouse.

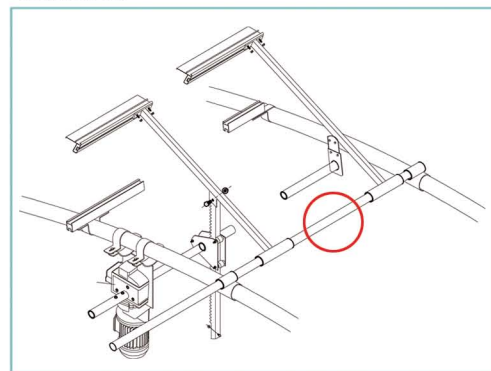
In addition, since 2015, new profiles have been developed and produced to allow the fixing of anti-insect netting.

Profiles

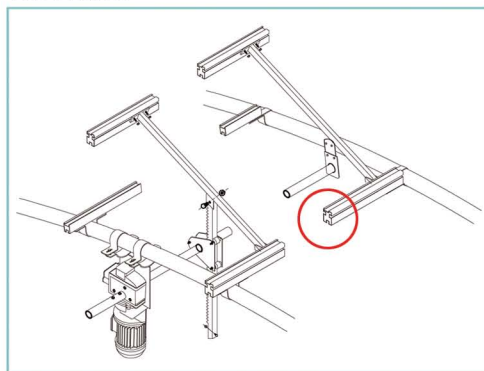
New rugged aluminium profiles for roof vents, ready for the installation of anti-insect netting.



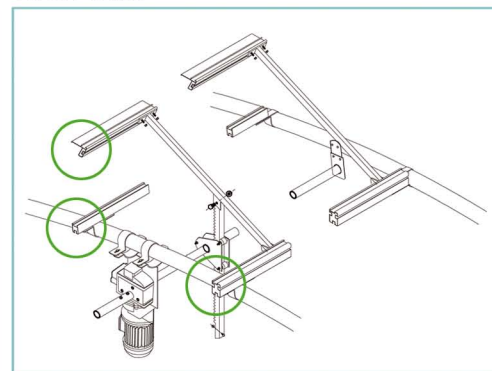
Basic model



Two Profiles



Three Profiles



Drive units

For the different types of vent openings (in sidewalls and roof), RIDDER RW 245 (for lengths up to 80-100 m) and RIDDER RW403 drives (for lengths above 100 m) are used.

For sidewall vents, telescopic booms of various lengths are delivered in addition to the drive.

Single or double-type telescopic booms can be used, depending on if the drive is installed in the initial part or in the centre of the structure.

According to the type of vent opening, we also supply mounting plates to secure the drive to the structure.