



Chamber for the **preservation of seeds.**



Humidifier in operation inside a germination chamber.

MACHINE DESCRIPTION

The CELLA is a chamber that is insulated from external temperatures, in which the optimal conditions to stimulate the development of plants are recreated, thus shortening the germination time normally required for the seed planted to mature in an uncontrolled environment.

The possibility of reducing these times, combined with the yield achieved by the seeds used, make the germination chamber an essential tool for maximising yield: the resources used are not wasted and the new production cycle can be started in advance thanks to the time saved on the previous one.

The germination chamber is designed and made to measure according to the customer's requirements and can be installed both inside and outside the greenhouse.



Germination chamber for warehouse.

TECHNICAL SPECIFICATIONS

- Covering, perimetrical wall and partition wall with pre-fabricated sandwich panels with its inside of self-extinguishing injected polyuretan.
- The panels are selfcarrying, coupled one with the other with particular M/F joints, moreover there are perimetrical selfcompensating packings to ensure the maximum thermal capacity on the joint parts.
- The internal and external profiles are of galvanized and prepainted sheet.
- The angular structure is of only one block taken directly from the wall panel so that the structure is particularly strong.
- Manual refrigerating sliding doors, beating on the hinge or automatic. Complete with contra-frames, inside and outside handles, packings of neoprene and profiles for the connect to the structure.



Video



Interior of the **germination chamber** containing trays.



Video

Electro-circulators for the temperature destratification inside chamber.



- Refrigerating system projected and realized to optimise the results of the conservation and/or germination with solutions with heating pump, single block, or condensed and separately evaporated.
- Humidification system with water realized with autonomous humidifier with mechanical pulverisation. The control of humidification occurs with a digital or electromechanical humidistat.
- Temperature destratification system realized with electrocirculators of our exclusive project, built in galvanized iron sheet and pre-painted complete with motor-ventilators, with fans of light alloy statically balanced and of protection grills.
- Temperatures, humidity, dimensions and features on request; remote control panel.
- Particular execution for the assemblage at the outside or integrated with other structure.



Germination chamber **installed in a warehouse**.



Remote control panel, for the timely management of temperature and humidity.

