

In plant breeding, but also flowers seeds, the seed volumes are relatively small. However, these delicate and precious seeds must be treated very carefully. In this conditioned drying installation, small quantities of seeds are dried in trays, under the correct air conditions. The installation can be assembled to your needs and specifications.



The conditioned drawer or tray dryer is a closed installation. With this installation the seed is dried at the desired air temperature to the desired moisture content. This is achieved by using dried and cooled air. The trays or drawers are placed in an air distribution system, which ensures that the air is blown or sucked through the seed. The air distribution system is located in a closed casing so that the seed can be dried regardless of the outside conditions.



This dryer can be made suitable for drawers or trays of different sizes. This size can depend on the amount of seed, the moisture content and the desired drying speed.

The tray dryer is assembled according to your wishes; the number of sections and the number of trays per section.

The air can either be blown or sucked through the seed. The choice depends on the specific weight and the amount of seed. With a suction system, the light seed will always remain in the tray and will not be blown away. Dried air is added per section. This air is cooled or heated to the desired temperature.



On the left a blowing system: In this version the air is being sucked in at the rear. And is then blown through the seed from bottom to top via a lockable opening. The air is sucked back to the rear through the top.

On the right a suction system: In this version the air is sucked through the seed from top to bottom through each tray or drawer. The air is then lifted upwards at the rear and sucked in again at the front through the top.



The air is brought to the desired moisture content and temperature at the top of the installation. This ensures that the seed is always dried at the desired air condition. The design of the air treatment installation depends on the required air circulation, the amount of moisture to be drained and the temperature at which there should be dried.