



**Seed
Conditioning
Enkhuizen**



Heat treatment WB1-001-2

This climate cabinet has been specially designed for heat treating seeds harvested from fruits such as: tomatoes, gherkins, cucumbers, sweet peppers, melon, pepper etc.

The cabinet is equipped with the latest technologies to meet the stringent requirements regarding climate in order to properly treat and not damage the seeds. By using seed drums, this is an ideal heat/virus treatment cabinet to easily and accurately multiple types of seeds.

Controls

In the WB1-001-2 climate cabinet, a maximum temperature of 80 degrees Celsius can be sustained with an accuracy of +/- 1 degree.

The high RH which can result from moisture from the seeds at the start of the heating process can be removed automatically using air valves before bringing the temperature to the final condition in order to prevent damage to the seeds. The air valves are freely adjustable.

The heat treatment cabinet contains two ventilated sections, each with its own fan. The fans are RPM-regulated, allowing the ventilation speed through the seeds to be set per section.

Controls

The cabinet is equipped with a PLC controller and can be operated using the control terminal's touchscreen. Using this terminal, all process variables can be entered and monitored such as temperatures, humidity levels, fan speeds and durations of the different process steps. Optionally, this cabinet can be equipped with a software package for external control and data recording. Any alarms would also be shown on this terminal. There is the option to forward these alarms by means of potential free contacts to building management systems.

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Specification heat treatment WB1-001-2



External dimensions ca.	1920 x 1960 x 2195 mm (w x d x h)
Operating range drying process	minimum 20 °C and maximum 80 °C internal conditions accuracy of +/- 1° C
Warm-up time of the process	2 hours
Max. temperature environment	40 °C
Supply voltage	400 x 3 x 50 V x F x Hz
Supply power	18 kW
Noise pressure	Maximum 75 dB (a) per 1,5 metres
Heating capacity	~12 kW
Supply plug and cable	CEE form 32A 6H 400 Volt 50-60 Hz 3P+N+PE
Possible options	<ol style="list-style-type: none">1. alarm light on the front of the dryer2. Remote Service Module (remote full service provision) Internet access needs to be present (DHCP)3. double controls (reliance package) ex. computer4. Rotation unit (for max. 12 short drying drums or 6 long drying drums)5. 40-litre short drying drum with aluminium lid6. 80-litre long drying drum with aluminium lid7. Made from stainless steel incl. drive-in guides and drive with frequency regulator
Delivery of stand-alone cabinet	<ol style="list-style-type: none">1. fully wired2. ready for operation3. with extensive documentation
Law and environment	according to applicable regulations, energy-saving

Every climate cabinet is developed, built and tested in-house at SCE. The climate cabinet is built according to current environmental requirements and also meets all applicable regulations.

You can contact us for further information and pricing.
Please also visit our website: www.sce.nl

