



**Seed
Conditioning
Enkhuizen**



Laboratory dryer DR1-006-1

Our laboratory/test dryer is available in several versions, from a little brother to our large dryers to a dryer with diverse testing facilities to determine the right drying process for your seed or pelleted seeds. It can be equipped with a rotation unit as well as multiple small drying containers for which the air speed can be independently controlled. It is also delivered in both upflow and downflow configurations, or a combination of these. The operating range of this dryer can be between +15°C with 30% RH and +50°C with 10% RH. In short, a fantastic dryer at laboratory scale to determine your drying processes or to dry small batches (between 1 and 5 kg).

Operation

The seed dryer has been developed according to the condensation principle, which guarantees the reproducibility of the drying processes. Moisture that has been absorbed by the air from the seed will be condensed on a cooler and removed. This enables quick and/or controllable drying. The dryer works with a fully closed air system which makes working with pesticides possible. The dryer is at least equipped with 2 RPM controlled process fans to be able to control the airspeed through the product.

Controls

The dryer is equipped with a PLC controller and can be operated by means of the control terminal's touchscreen. Using the 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 using potential free contacts to building management systems.

Specification Laboratory dryer DR1-006-1



External dimensions ca.	2400 x 1200 x 2200 mm (w x d x h)
Compartment	single
Aeration	upflow or downflow or combination, conditioned
Operating range drying process	minimum 15 °C and maximum 50 °C
Minimum RH	30% at +15 °C resp. 10% at +50 °C resp.
Max. temperature environment	35 °C
Environmental conditions	maximum 30 °C and 70% RH
Supply voltage	400 x 3 x 50 V x F x Hz
Supply power	8 kW
Load capacity	between 1 and 5 kg of wet product
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. tropics version, works in an environment with temperatures up to 40 °C
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 seed dryer is developed, built and tested in-house at SCE. The seed dryer 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

