



**Seed  
Conditioning  
Enkhuizen**



## Germination shelving unit KS1-001-1

This germination shelving unit has been developed for placement in a germination room. The KS1-001-1 works completely stand-alone. Standard, this shelving unit has four levels, but this can be adjusted as desired. The type and colour of the lighting can also be built in completely customised. That makes the KS1-001-1 a flexibel germination shelving unit.

### Development

Both the air temperature and the bottom plate temperature can be set independently of each other. This makes it possible to simulate a natural situation.

The root temperature can thus be set lower than the temperature of the plant, as is the case in nature. This important aspect ensures that drying out of the root is kept to a minimum.

### Operation

The germination cabinet KS1-001-1 has a uniform airflow in temperature, air humidity and air speed across all levels. This enables achieving the same result both in the top and the bottom of the germination cabinet.

Cold water should be used for refrigeration. This is possible as stand-alone or using a central water cooler.

### Controls

By means of a touchscreen display, the controls offer a wide range of functionalities and possibilities. It is also possible to connect the germination shelving unit's control to a network and operate it externally.

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# Spec. germination shelving unit KS1-001-1



Dimensions wi x d x h	1250 x 820 x 2320 mm
Number of levels	4 levels
Distance between levels	475 mm
Level dimensions wi x d	1200 x 650 mm
Supply coltage	230V-50/60Hz
Supply power max.	this depends on the chosen lighting option
Electrical heating	tube element stainless steel 250 Watt
Refrigeration system	water, excl. water chiller
Temperature range	+5/+35 °C
Temperature accuracy	0.2 K
Air speed across level	max. 0.3 m/s
Lighting	various options possible
Lighting strength	depends on the chosen option
Safety	temperature, software and hardware-based
Controls	Touchscreen colour display with clear menu structure. Configurable set points, clock times, alarms and day/night cycle.
Possible options	<ol style="list-style-type: none"><li>1. water cooler stand alone or on central water chiller</li><li>2. LED panels white</li><li>3. LED strips various light spectrums</li><li>4. LED fixtures ( Phillips )</li><li>5. lighting independently dimmable</li><li>6. reliance scada package</li><li>7. humidification up to 95% RH</li><li>8. CO<sub>2</sub> regulator</li><li>9. more or fewer levels ( 2-3 or 4 )</li></ol>
Delivery of stand-alone cabinet	<ol style="list-style-type: none"><li>1. fully wired</li><li>2. ready for operation</li><li>3. with extensive documentation</li></ol>
Law and environment	according to applicable regulations, energy-saving.

Every germination shelving unit is developed, built and tested in-house at SCE. The germination 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](http://www.sce.nl)

