

Achieva Basic Style Console Germinator



The Achieva Model A3920 is our fully automated “wet” style console germinator, which sprays based on time and duration and displays Rh%. It is packed with all the features you expect from Seedbuero. Used for plant growth, propagation of seeds, germination test and incubation that requires a controlled environment (hot/cold cycles and light/dark operations). The air circulation system helps assure uniform temperature in both the heat and refrigeration test modes with conditioned air and maintaining a continuous flow throughout

the unit. Perforated aluminum trays are flanged to keep contents from shifting and may be turned over to form a flat shelf.

Equipped with a touch screen computer controller, the unit can be set in either “auto” or “manual” mode which constantly monitors and adjusts cabinet temperature utilizing both heating and cooling systems. Features a hermetically sealed air cooled refrigeration system and enclosed heat system operating in tandem to maintain set point temperature in heat or cool modes, cool bright white LED light system and ‘rain system’. Unit may be set for manual or automatic reset alternately control heat/cool, light/dark cycles for the required duration of your test.

A built-in heavy duty misting pump has a unique air flow assuring continuous ‘rain’ circulation for more reliable seed testing in both hot and cold cycles. Large capacity bottom reservoir location and interior drain recirculates water supply, reducing the need for technician to monitor water level.

The cabinet utilizes thick wall foam-in-place insulation. Touch screen controls are easily read, operated, and fully programmable. A data logger records temperature at your desired time interval and time span. Data is easily downloaded to any Windows® based PC or laptop computer via USB port.

The Achieva features include an advanced cooling refrigeration system that is hermetically-sealed and uses an oil-cooler to improve operation in high ambient conditions. Exterior is grey texture-coated steel. A smooth white interior produces an enhanced light reflection for propagation tests. Interior stainless steel air duct, fan and evaporator cover assures greater air flow and even air distribution. An oversized heavy duty door, handle and door edge protector provide greater operator safety. Made in USA.

Instrumentation

- Lighted on/off switch
- Programmable computer touch screen controller with large full color display for easy programming and display of: relative humidity, temperature, test and cycle(s), time remaining, program recall, editing, time of day, test duration, run/program or auto/manual modes (F°/C°), real time clock, data download function, heat/cool and light/dark light level(s)
- USB interface for data download and software updates
- System uses pump and vertical spray nozzle system to introduce humidity/ simulate rain.
- Additional shelves can be ordered to increase capacity

Temperature

- **Adjustable Range:** 0–55.6°C (32°–132°F). Precision 1-degree increments ± 0.6°C (1.8°F), uniformity ±7°F
- **Temperature Sensor Sensitivity:** +0.5°C (1°F) or better

Illumination

- Lights are an on/off function
- 2 Strips of LEDs, 900 lumens each, total of 1800 lumens.
- Illumination color white, 6500k wavelength
- Interior reflective surfaces for greater light spread

Interior Capacity

- 16.4 cu. ft.

- **Trays:** 6 Perforated Aluminum trays are Included (18.0" x 26")
- **Chamber Capacity:** Holds 28 trays on 1.5" (3.81cm) spacing
- Compressor 1/3HP Refrigerant R-134a, amp load: 13.65A, 120V, 1PH

Dimensions

- **Interior dims:** 20" (D) x 27" (W) x 52.5" (H) (50.8 x 68.58 x 133.35cm)
- **Net wt:** 280 lbs (127kg)
- **Actual dims (with Casters):** 32" (L) x 34.25" (W) x 70" (H) (81.28 x 86.99 x 177.8cm)
- **Ship/Export wt:** 580 lbs
- **Domestic Ship dims:** 42" (L) x 40" (W) x 85" (H) (106.68 x 101.6 x 215.9cm)

Single Chamber, 110V, 60Hz.....**No. A3920/B**
 Single Chamber, 220V, 50Hz.....**No. A3920/C**
 Extra Perforated Tray, 18" x 26" **No. ATRAY**

Extra Wire Rack, 18" x 26" **No. ASHELF**
 Crating for Domestic Shipping or Exporting, Required.....**No. A3/EX**
 Tray for Holding Ragdolls **No. ATRAY-RD**