



# GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

## INCUBATOR - I-66VL



Model	I-66VL
Exterior Dimensions (WxDxH)	66" x 33.6" x 77.2"
Temp. Range (w/ lights on)	4-44C +/- 0.5C
Interior Space	62.4 cu.ft.
Total Shelving Floor Area	54 sq.ft.
Maximum Growing Height	9.5"
Light Intensity (6" from lamps)	120 micromoles/m2/sec
Number of Tiers	5

### Applications

- \*This chamber is frequently used for mosquitos and other insects, simple/low cost germination and other lighted applications
- \*Many other applications exist for this product

### Percival's IntellusUltra Controller

- \*Percival Scientific has built a reputation of providing flexible, customized options for research scientists around the world. We have taken the philosophy to the next level with our improved IntellusUltra Controller. Now choose from the levels of functionality that meet your needs.

### IncuWhite LED lighting system

- \*Linear LEDs vertically mounted
- \*Intensity programmable up to 120  $\mu$ moles/m2/s of light irradiance measured @ 6" from LEDs
- \*Programming and control of the lighting is done via IntellusUltra real time controller
- \*Dimmable between 5-100% output

### Cabinet Construction

- \*Interior constructed of 22-gauge electro-zinc plated steel
- \*Exterior constructed of 18-gauge exterior electro-zinc plated steel
- \*Welded seams and joints on outer and inner shells
- \*Inner shell supported by non-compressing/non-thermal conducting material locking inner liner in place without a metal-to-metal bond to outer case
- \*Chamber is completely self-contained
- \*Overall wall thickness is 2"
- \*One 1 1/4" diameter access port on R.H. wall
- \*Chamber floor equipped with floor drain and hose assembly
- \*Contains caster assembly and adjustable leveling legs to compensate for floor unevenness in the lab

### Insulation

- \*Woodless construction using CFC free insulation (overall wall thickness is 2", ample insulation for maintenance of stated temperature range)

### Doors

- \*Two door openings 29.1" x 57.5" provide full access to the chamber interior (magnetic gasket provides a tight seal to door frame)

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### Interior Space

\*62.4 ft<sup>3</sup> (1.8 m<sup>3</sup>) with work area of 54 ft<sup>2</sup> (5 m<sup>2</sup>) provided on five tiers

### Shelving

\*Five tiers (ten shelves) of white epoxy coated steel wire shelving (each shelf is 27"D x 28.8"W [68.6 cm x 73 cm])  
\*Shelves are supported by shelf clips allowing ½" vertical adjustments  
\*Maximum clearance between shelves is 9.5" (24.1 cm) per tier with all shelving installed

### Finish

\*Interior and exterior painted with high reflective, environmentally friendly, high temperature baked white powder coating

### Refrigeration

\*Self-contained air-cooled condensing unit with hot gas bypass system for continuous compressor operation, extended life and close temperature control (this continuous running condensing unit ensures precise temperature control by alternating cycling refrigerant and hot gas to coil; this also prolongs life of compressor, and eliminates risk of ice build up in coil)  
\*Top mounted refrigeration system allows easy access for maintenance (e.g. cleaning)  
\*As heat is rejected, it rises and is dissipated into room without having any effect on inside temperature of cabinet  
\*Solenoid valves have extended stem for quiet and long life operation  
\*Ceiling mounted evaporator coils incorporate twin air circulation fans in aluminum housing (heat rejection to ambient with standard chamber: 3583 BTU/hr)

### Temperature Range

\*4°-44°C (±0.5°C) lights on and 2°-44°C (±0.5°C) lights off

### Temperature Safety Limit Controls

\*Experiment Protection: Adjustable high and low temperature controls, audible alarms, and visual indicators provided  
\*Controls shut down all power to chamber, activating alarms (when the temperature returns to the normal range the system will automatically reset)

### Electrical Requirements

\*Consult Geneva Scientific for electrical requirements and amperage draw.

### Popular options

\*Additive Humidity Control with Sensor  
\*Phenolic Coated Coils (required for drosophila research)  
\*Glass door  
\*IntellusUltra Connect  
\*IntellusUltra Connect and Android-based Touchscreen  
\*IntellusUltra (standard) and Android-based Touchscreen  
\*Pan-type humidifier with Electronic RH Sensor  
\*Pan-type humidifier and dehumidifier with Electronic RH sensor  
\*Ultrasonic Humidifier with advanced RH Sensor  
\*Dehumidification via independent dehumidifying coil with reheat heaters and Ultrasonic Humidifier  
\*Ultrasonic Humidifier with Electronic RH sensor  
\*CO<sub>2</sub> enrichment package  
\*Door with observation window and cover  
\*Door with fresh air ports  
\*Self-contained water-cooled condensing unit  
\*Dry alarm contacts  
\*Dimmable lighting (closed loop with PAR light sensor)  
\*Extended temperature ranges available  
\*Convenience receptacles



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Specifications are subject to change without notice.  
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