GENEVA SCIENTIFIC
LAB EQUIPMENT SOLUTIONS

INCUBATOR - I-30VL

Model	I-30VL
Exterior Dimensions (WxDxH)	31” x 23.8” x 46.1”
Temp. Range (w/ lights on)	7-44C +/- 0.5C
Interior Space	9.7 cu.ft.
Total Shelving Floor Area	7.7 sq.ft.
Maximum Growing Height	8.8”
Light Intensity (6” from lamps)	80 micromoles/m2/sec
Number of Tiers	3

Applications
*Designed for applications such as drosophila, culturing, rearing and holding of test organisms as well as bioassays, seed germination and product stability testing
*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.

Lighting System
*Fluorescent lamps vertically mounted on each side of shelf
*Intensity programmable up to 80 micromoles/m2/sec of light irradiance measured at 6” from lamps on 1 on/off light event
*Programming and control of the lighting is done via IntellusUltra real time controller

Cabinet Construction
*Interior constructed of 22-gauge electro-zinc plated steel
*Exterior constructed of 18-gauge exterior electro-zinc plated steel
*Stainless steel floor
*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”

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

Door
*One door opening of 26.8” x 29.6” providing full access to chamber interior (magnetic gasket provides a tight seal to door frame)

Interior Space
*9.7 cu.ft. with work area of 7.7 sq.ft. provided on three tiers

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Shelving
*Three tiers of white epoxy coated steel wire shelving (each shelf is 16.4"D x 22.6"W)
*Shelves are supported by shelf clips allowing 1/2" vertical adjustments
*Maximum clearance between shelves is 8.8" per tier with all three shelves 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)
*Solenoid valves have extended stem for quiet and long life operation
*Rear chamber wall mounted evaporator coil incorporates an air circulation fan (heat rejection to ambient with standard chamber: 3200 BTU/hr)

Temperature Range
*7-44C (+/- 0.5C) with lights on and 2-44C (+/- 0.5C) with 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)

Convenience Receptacles
*One 115/1/60 convenience receptacle provided inside chamber

Electrical Requirements
*Consult Geneva Scientific for electrical requirements and amperage draw.

Options
*Additive Humidity Control with Sensor
*Dehumidifier with Sensor
*IntellusUltra Connect
*Android-Based Touch Screen
*CO2 Enrichment Package
*Self-Contained Water-Cooled Condensing Unit
*Dry Alarm Contacts
*Dimmable Lighting
*LED Lighting in Lieu of Fluorescent Lamps

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