



GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

ANIMAL HOUSING CHAMBER - AH-41VL



Model	AH-41VL
Exterior Dimensions (WxDxH)	41" x 33.6" x 77.2"
Temp. Range (w/ lights on)	5-44C +/- 0.5C
Interior Space	37.2 cu.ft.
Total Shelving Floor Area	24.4 sq.ft.
Maximum Growing Height	11.9"
Light Intensity (6" from lamps)	75 micromoles/m2/sec
Number of Tiers	4

Applications

- *Designed for animal housing with built in safeties
- *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 75 μ moles/m2 /s of light irradiance measured @ 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 stainless steel
- *Exterior constructed of 24-gauge smooth white galvanized steel
- *Interior floor constructed of 24-gauge #304-4 stainless steel
- *NSF compliant seam design
- *Overall wall thickness 2"
- *Foamed-in-place non-CFC insulation
- *One 1 1/4" diameter access port on right hand wall
- *Chamber floor equipped with floor drain and hose assembly
- *Contains casters assembly and adjustable leveling legs to compensate for floor unevenness in the lab

Insulation

- *Woodless construction using 2" thick foamed-in-place non-CFC Urethane insulation with 93% closed cell, R-value of 12.5, K-value of 0.16 and density of 2.2 lbs/ft3

Interior Space

- *37.2 ft3 with work area of 24.4 ft2 provided on five tiers

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Door

- *One door opening 36.8" x 57.5" provides full access to chamber interior
- *Heavy Duty latch is provided to ensure a tight light seal
- *12"x12" observation window with cover
- *Each door is installed with a fresh air port

Shelving

- *Four tiers of stainless steel shelving (each shelf is 27"D x 32.6"W)
- *Shelves are supported by shelf clips allowing ½" vertical adjustments
- *Maximum clearance between shelves is 11.9" per tier with all four shelves installed

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: 3600 BTU/hr)

Temperature Range

- *5°-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, except the fresh air blower, 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.

Includes

- *Fresh Air Blower
- *Two (2) Fresh Air Ports
- *Phenolic Coated Coils (required for drosophila [fruit fly] research and/or any other research with corrosive conditions)
- *Magna Helic Gauge
- *HEPA Filtration
- *Ultrasonic Humidifier with Advanced RH Sensor
- *Stainless Steel Interior
- *Four (4) Stainless Steel Shelving
- *Defrost Cycle
- *EBM Fan
- *Door with 12"x12" observation window with cover
- *Door & Door Frame Heater
- *Top Stainless Steel Ultrasound Diverter
- *External Drip Pan



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