GENEVA SCIENTIFIC
LAB EQUIPMENT SOLUTIONS

ANIMAL HOUSING CHAMBER - AH-36VL

*Shown without observation window

Model	AH-36VL
Exterior Dimensions (WxDxH)	33.5" x 33.6" x 77.2"
Temp. Range (w/ lights on)	4-44C +/- 0.5C
Interior Space	29.7 cu.ft.
Total Shelving Floor Area	21.5 sq.ft.
Maximum Shelf Height	11.9"
Light Intensity (6" from lamps)	80 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
*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

Airflow
Fresh air blowers continue running even if the chamber shuts down due to an alarm.

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/cu.ft.

Interior Space
*29.7 cu.ft. with work area 21.5 sq.ft. provided on four tiers.

Door
*One door opening 29.2" x 57.5" provides full access to chamber interior (magnetic gasket provides a tight seal to door frame)
*A heavy duty latch is provided to ensure a light tight seal.
*Door has 12x12 observation window along with a light tight seal.
*Each door is installed with a fresh air port.

Shelving
*Four tiers of white epoxy coated steel wire shelving (each shelf is 27"D x 25.1"W)
*Shelves are vertically adjustable in 1/2" increments
*Maximum shelf height is 11.9" with all four 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 alternately 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 coil incorporates twin air circulation fans in aluminum housing

Temperature Range
* 4-44C (+/- 0.5C) with lights on , 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, except for the fresh air blower, activating alarms (when the temperature returns to the normal range the system will automatically reset)

Convenience Receptacles
*Two 115/1/60 convenience receptacles 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

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Laboratory Washers   Sterilizers   Laboratory Hoods

Specifications are subject to change without notice.
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