



# GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

## ANIMAL HOUSING CHAMBER - AH-41NL



Model	AH-41NL
Exterior Dimensions (WxDxH)	41" x 33.6" x 77.2"
Temp. Range (w/ lights on)	2-44±0.5
Interior Space	37.2 cu.ft.
Total Shelving Floor Area	27.2 sq.ft.
Maximum Growing Height	12"
Light Intensity (6" from lamps)	No Light
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

\*No lights are contained inside the chamber (Please see other models, AH-36VL or AH-41VL if lighting is desired)

### 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 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 1¼" 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 CFC free insulation (overall wall thickness is 2", ample insulation for maintenance of stated temperature range)

### Interior Space

\*37.2 ft3 with work area of 27.2 ft2 provided on four 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 light tight seal
- \*12"x12" observation window with cover
- \*Door and door frame heater prevent condensate on the door at low temperatures

### Shelving

- \*Four tiers stainless-steel shelving (each shelf is 27"D x 36.3"W)
- \*Shelves are supported by shelf clips allowing ½" vertical adjustments
- \*Maximum clearance between shelves is 12" per tier with all six 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)
- \*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: 2900 BTU/hr)

### Temperature Range

- \*2°-44°C (±0.5°C)

### 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 and activates 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 Fans
- \*Door with 12"x12" observation window with cover
- \*Door and Door Frame Heater
- \*Light Tight Seal with Heavy Duty Door Latch
- \*Top Stainless Steel Ultrasound Diverter
- \*External Drip Pan



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