

incubators Percival model I-36VL

shelving

- Five tiers of white epoxy coated steel wire shelving (each shelf is 27" D x 25.1" W [68.6 cm x 63.8 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 five shelves installed

finish

- Interior and exterior painted with highly 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 (heat rejection to ambient [standard chamber] = 3500 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 the chamber, activating alarms (when the temperature returns to the normal range the system will automatically reset)

humidity control (optional)

This section outlines the H1 option

- Additive humidity control of higher than ambient to 85% (±10%) lights on for set temperatures between 15° to 30°C
- Humidity control of higher than ambient to 90% (±10%) lights off for set temperatures between 15° to 30°C
- Extended humidity ranges available

See other specification sheets or consult factory for additional information. If humidity system is selected as an option, a de-mineralized water supply is required which terminates to a ½" MPT connector.

options (most popular)

- Phenolic Coated Coils (required for drosophila research) (Q9)
 - Glass door (Q12)
 - IntellusUltra Connect (C9)
 - IntellusUltra Connect and Android-based Touchscreen (C9T)
 - IntellusUltra (standard) and Android-based Touchscreen (C8T)
 - Pan-type humidifier with Electronic RH Sensor (H1)
 - Pan-type humidifier and dehumidifier with Electronic RH sensor (H3)
 - Ultrasonic Humidifier with advanced RH Sensor (H11)
 - Dehumidification via independent dehumidifying coil with reheat heaters and Ultrasonic Humidifier (H12)
 - Ultrasonic Humidifier with Electronic RH sensor (H14)
 - CO₂ enrichment package
 - Door with observation window and cover (Q2)
 - Door with fresh air ports (Q1)
 - Self-contained water-cooled condensing unit
 - Dry alarm contacts
 - Dimmable lighting (closed loop with PAR light sensor) (Q22)
 - Dimmable lighting (open loop control) (Q23)
 - Extended temperature ranges available
- See other catalog sheets or consult factory for additional accessories.*

convenience receptacles

- Two 115/1/60 convenience receptacles provided inside chamber

electrical service requirements

- 115/1/60 - two grounded cords each with NEMA 5-15P plug provided for standard chamber
- Cord #1 RLA=5.1 & cord #2 RLA=5.2 (combined MCA=13.3)



Percival Scientific, Inc.
505 Research Drive • Perry, IA 50220 USA
800.695.2743 • 515.465.9363 • Fax: 515.465.9464
www.percival-scientific.com