

RODENT INCUBATORS

High-Performance Rodent Research Incubator

This high-performance incubator provides a meticulously controlled environment for rodent research, offering precision temperature regulation and automated lighting cycles. Designed primarily for vivarium integration, it supports a wide range of applications including thermoneutral studies, cold-exposure modeling, and high-temperature climate impact simulations.

Core Performance Specifications

- Temperature Range: 6.5°C to 40°C
- Air Exchange System: Adjustable fresh air intake (0–15 exchanges per hour); designed to intake and discharge air directly to the chamber to maintain internal air quality.
- Lighting Control: Integrated clock-controlled cool white fluorescent lighting for circadian rhythm management.
- Construction: High-grade stainless-steel interior and exterior for durability and simplified sterilization.

Standard Features

Security & Safety:

- Lockable doors for specimen security.
- Audible and visual high/low temperature alarms.
- Dry alarm contacts for integration with remote dialers or building management systems (BMS).

Chamber Access & Utility:

- Internal duplex power outlet for auxiliary equipment.
- Dedicated access port for external wiring or tubing.
- Digital humidity meter for environmental monitoring.
- Mobility: Heavy-duty lockable casters for easy positioning and stability.
- Standard Door Configuration: Solid insulated doors (standard) to ensure thermal stability and light exclusion.



Customizable Options & Accessories

Each unit is built to order, allowing for the addition or removal of features to meet specific budgetary or protocol requirements. Available upgrades include:

- Enhanced Lighting: LED arrays or high-intensity lighting configurations.
- Specimen Protection: Vibration reduction systems for sensitive behavioral or physiological studies.
- Mechanical Variations: Top-mounted or remote compressor configurations to manage heat load and noise in the laboratory.
- Visibility: Optional thermal glass doors for specimen observation without breaking the thermal seal.
- Connectivity: Additional internal outlets or specialized access ports.

Installation Requirements

- Vivarium Placement: Recommended for use in isolated vivariums to manage exhaust odors effectively.
- Laboratory Placement: Suitable for standard lab environments when integrated with HVAC returns by a professional technician.

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Model	Capacity (ft ³ /liters)	Exterior Dim (W/D/H in)	Interior Dim (W/D/H in)	Shelves	HP	Electrical (Domestic)	Weight (lbs/kgs)
LPR-10-HG	10 / 285	26 x 22 x 60	22 x 19 x 41	3	1/5	115/60/1, 15 amps	275 / 125
LPR-24-HG	24 / 680	28 x 31 x 78.5	24 x 29 x 57.5	4	1/3	115/60/1, 5-20P	450 / 205
LPR-27-HG	27 / 765	33 x 29 x 78.5	29 x 27 x 57.5	4	1/3	115/60/1, 5-20P	450 / 205
LPR-30-HG	30 / 850	33 x 29 x 78.5	29 x 24 x 69	4	1/3	115/60/1, 5-20P	525 / 240
LPR-43-HG	43 / 1220	52 x 31 x 78.5	48 x 26 x 57.5	8	1/2	115/60/1, 5-20P	625 / 285
LPR-59-HG	59 / 1670	70 x 31 x 78.5	66 x 26 x 57.5	8	1/2	115/60/1, L5-30P	800 / 365
LPR-63-HG	63 / 1780	77 x 31 x 78.5	73 x 26 x 57.5	12	1/2	115/60/1, L5-30P	950 / 430