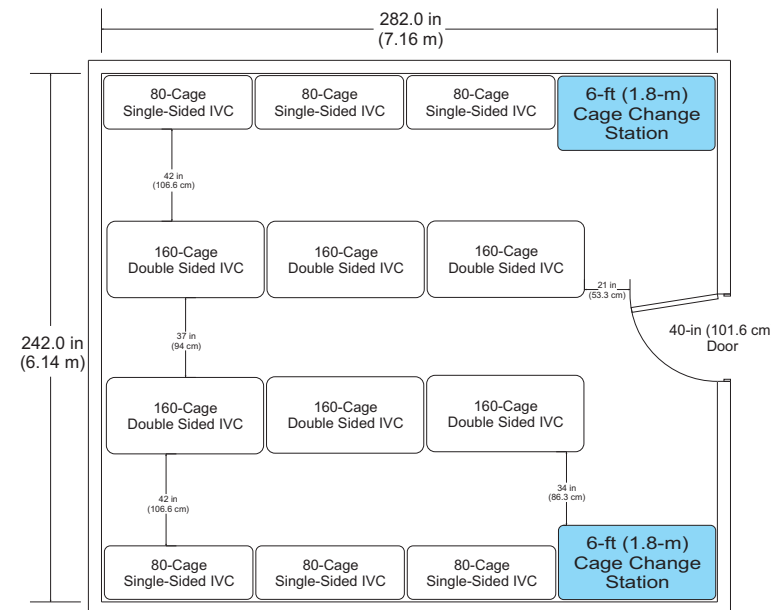


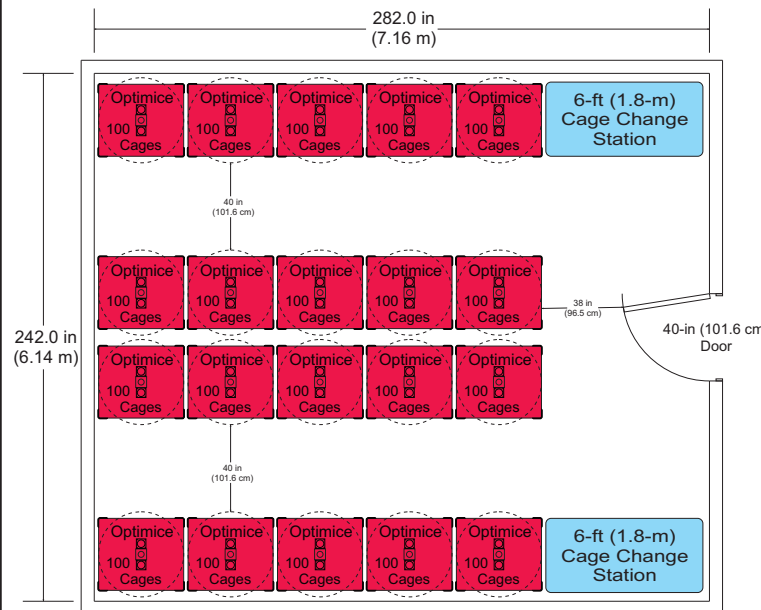
Crowded animal rooms? You don't need more space You need density

Standard Mouse Room



1,440 Cages

Optimice Mouse Room



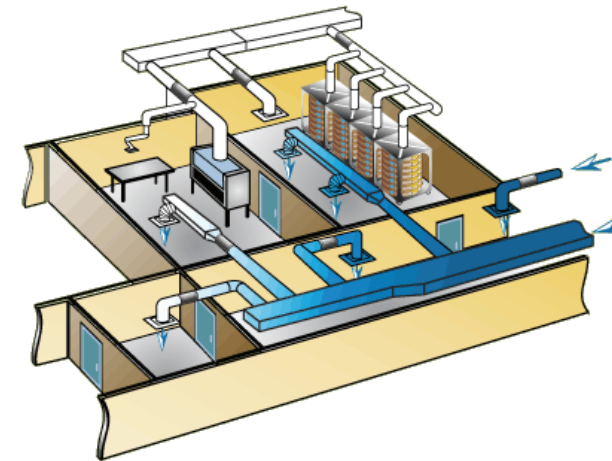
2,000 Cages



How does our motor-free technology work?

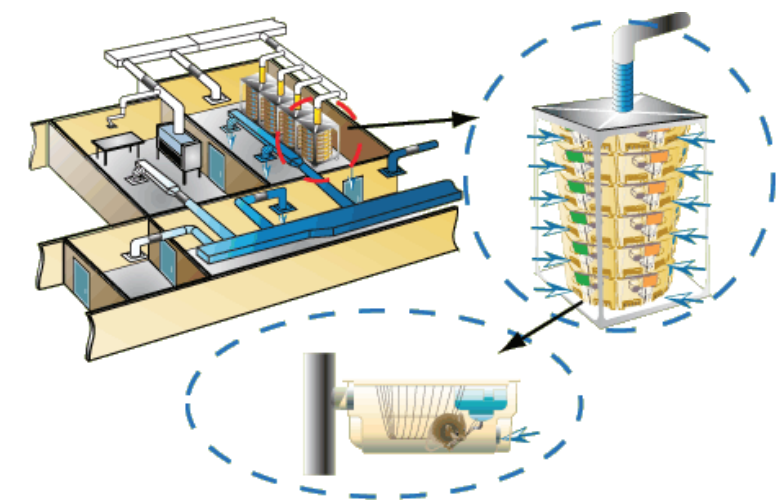
1

Air is supplied by your HVAC system to the animal room.



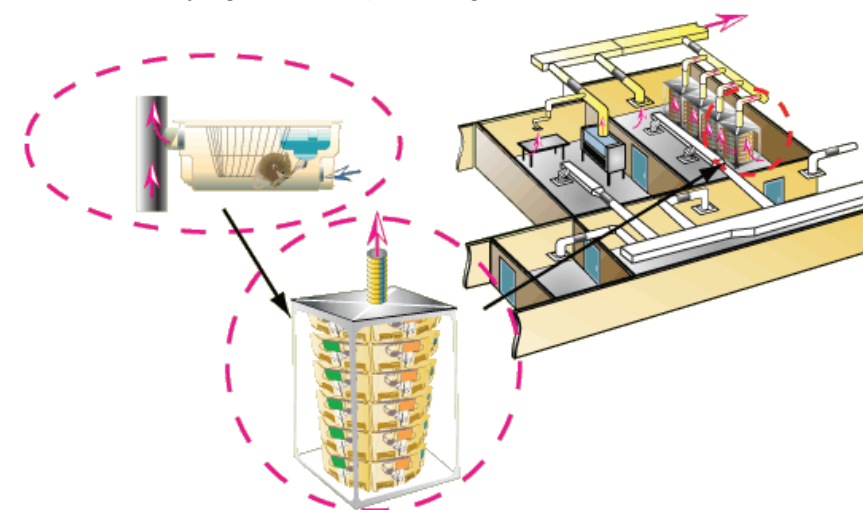
2

Room air is filtered through the front filters as it is drawn into each cage. The building exhaust system continues to pull the air through the cage and out the rear filter in a laminar flow.



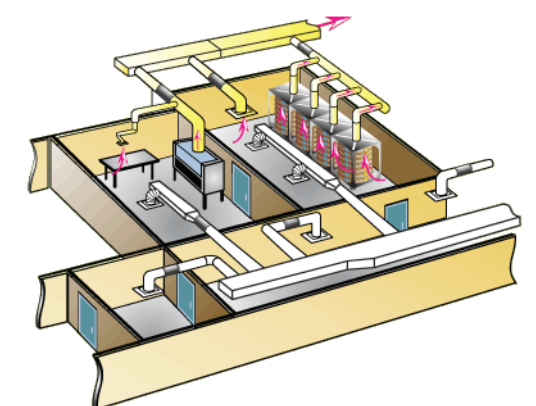
3

Cage exhaust air travels into the rack plenum and out of the room by controlled exhaust ventilation. Low-velocity, one-pass cage airflow eliminates drafts, turbulence, fast airflow and the drying effect, providing a stable microenvironment.



4

Cage air and room air exit directly out the facility building's HVAC system.



Lose the motors and blowers

Forget about maintenance costs

Never worry about heat load

The Optimice, Optirat GenII, and Optirat Plus racks maximize animal density by reclaiming aisle space normally required for double-sided IVC racks. These signature carousel racks provide a microenvironment free of noise, vibration, and air turbulence, ensuring ideal conditions for experiments, low-stress housing, and breeding — especially fragile strains of research rodents.



Optimice

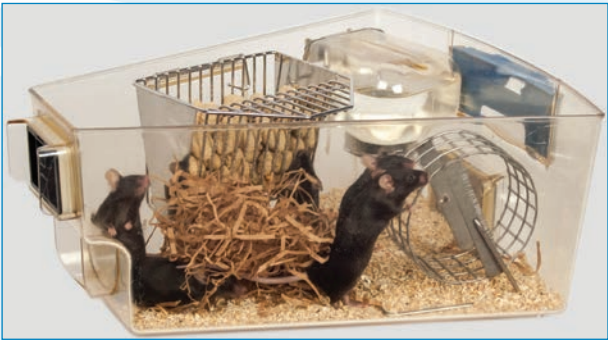
- The original carousel rack
- Eliminates odors and allergens from the animal room
- Complete biocontainment and isolation
- Durable stainless steel rack construction

Cage

- Floor area: 75 square inches (484 square centimeters)
- Material: Polysulfone or polycarbonate
- Feeder capacity: 17 ounces (500 mL)
- Water bottle capacity: 13.5 ounces (400 mL)


Rack

- Holds 100 cages
- Each cage includes a feeder, water bottle (or auto-water valve), cage card holder, and filter assemblies
- Airflow, minimum: 45 cubic feet per minute (76 cubic meters per hour)
- Airflow, recommended: 60 cubic feet per minute (101 cubic meters per hour)



Optimice Animal Capacities*

| Up to 10 grams | 10-15 grams | 15-25 grams | 25+ grams |
|----------------|-------------|-------------|-----------|
| 12 | 9 | 6 | 5 |

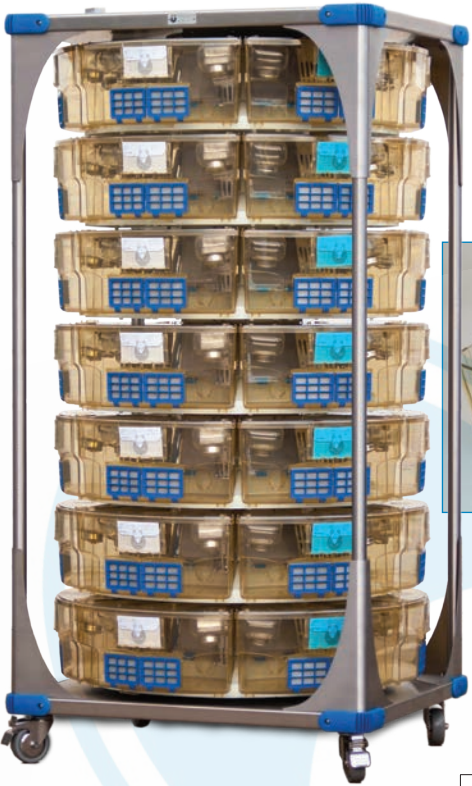
|  | Optimice Rack | | | | | |
|--|---------------------------|--------------|--------------|-------------------|-----------------------|------------|
| | Dimensions Inches (cm) | | | | Weight Pounds (kg) | |
| | Depth | Width | Height | Auto-Water Height | Basic | Auto-Water |
| Full rack with card holders | 40.5 (102.9) | 40.5 (102.9) | 76.5 (194.3) | 78.0 (198.1) | 613 (278) | 659 (299) |
| Empty rack | 33.7 (85.6) | 39.7 (100.8) | | | 326 (148) | 366 (166) |



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Optirat GenII Animal Capacities*

| 100-200 grams | 200-300 grams | 300-400 grams | 400-500 grams | 500+ grams |
|---------------|---------------|---------------|---------------|------------|
| 5 | 4 | 3 | 2 | 1 |

Optirat GenII

- Superior cage visibility
- Water bottles that are easily positioned in three different configurations
- Integrated cage card holder
- Very low annual cost to maintain




Cage

- Floor area: 135 square inches (871 square centimeters)
- Material: Polysulfone or polycarbonate
- Feeder capacity: 37 ounces (1,100 mL)
- Water bottle capacity (2): 13.5 ounces (400 mL) each

Rack

- Holds 42 cages
- Each cage includes a feeder, two water bottles (or one auto-water valve), and filter assemblies
- Airflow, minimum: 55 cubic feet per minute (93 cubic meters per hour)
- Airflow, recommended: 82 cubic feet per minute (139 cubic meters per hour)

|  | Optirat GenII Rack | | | | Weight Pounds (kg) | |
|---|---------------------------|--------------|--------------|-------------------|-----------------------|------------|
| | Dimensions Inches (cm) | | | Auto-Water Height | Basic | Auto-Water |
| | Depth | Width | Height | | | |
| Full rack | 39.0 (99) | 39.7 (100.8) | 76.5 (194.3) | 78 (198.1) | 534 (242) | 524 (238) |
| Empty rack | 33.7 (85.6) | 39.7 (100.8) | | | 311 (141) | 296 (134) |

Optirat Plus

- Large, tall cage allows natural postures and behaviors
- Enables larger groups and fewer single-housed animals
- Optional mezzanine increases floor space and adds cage complexity
- High visibility due to side-mounted feeder
- External water bottles provide easy access


Cage

- Floor area: 183 square inches (1,181 square centimeters)
- Floor area with mezzanine: 244 square inches (1,574 square centimeters)
- Material: Polysulfone or polycarbonate
- Feeder capacity: 37 ounces (1,100 mL)
- Water bottle capacity (2): 16.9 ounces (500 mL) each
- Enrichment: Optional mezzanine



Rack

- Holds 30 cages
- Each cage includes a feeder, two water bottles (or one auto-water valve), and filter assemblies
- Airflow, minimum: 55 cubic feet per minute (93 cubic meters per hour)
- Airflow, recommended: 82 cubic feet per minute (139 cubic meters per hour)

|  | Optirat Plus Rack | | | | | |
|---|---------------------------|--------------|------------|-------------------|-----------------------|------------|
| | Dimensions Inches (cm) | | | | Weight Pounds (kg) | |
| | Depth | Width | Height | Auto-Water Height | Basic | Auto-Water |
| Full rack | 40.3 (102.3) | 41.0 (104.1) | 78 (198.1) | 79.5 (201.9) | 503 (228) | 500 (227) |
| Empty rack | 33.7 (85.6) | 39.7 (100.8) | | | 269 (122) | 284 (129) |

Optirat Plus Animal Capacities*

| | 100-200 grams | 200-300 grams | 300-400 grams | 400-500 grams | 500+ grams |
|-------------------|---------------|---------------|---------------|---------------|------------|
| Without mezzanine | 8 | 6 | 4 | 3 | 2 |
| With mezzanine | 10 | 8 | 6 | 4 | 3 |



*Based on the "Guide for the Care and Use of Laboratory Animals, Eighth Edition"