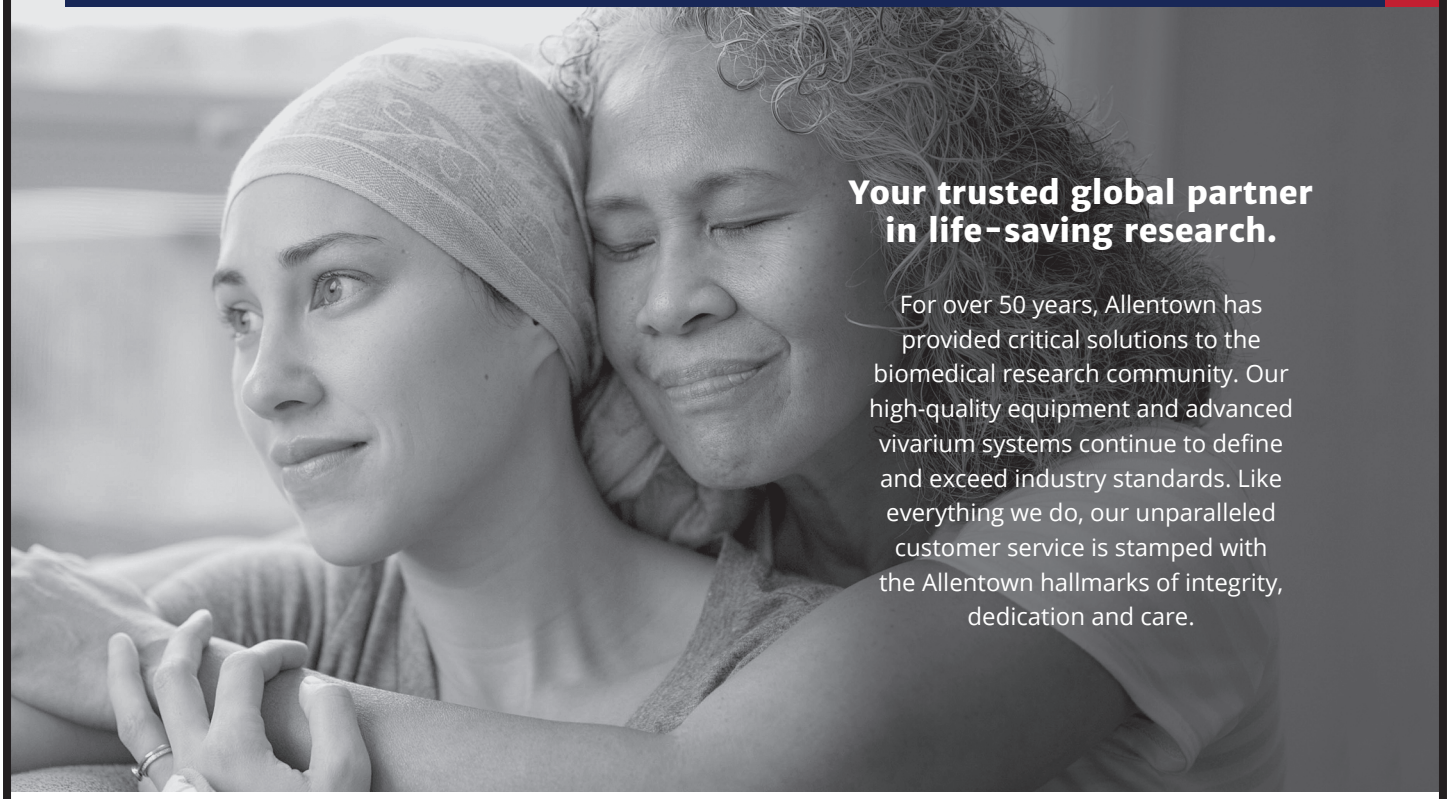
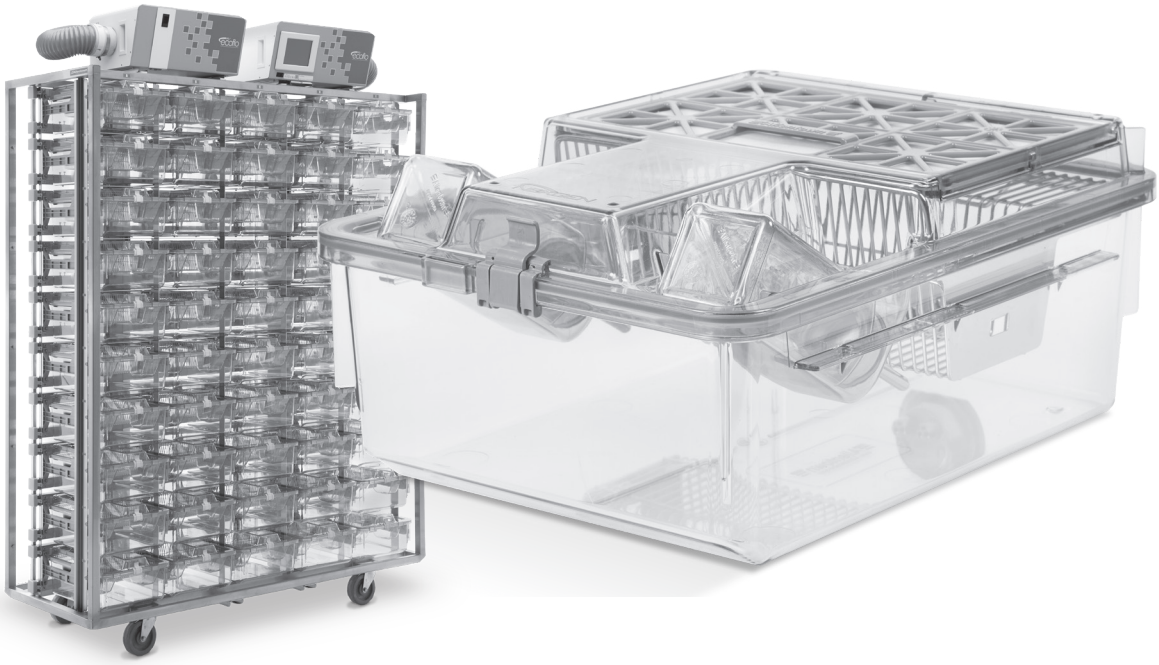


Your trusted global partner in life-saving research.

For over 50 years, Allentown has provided critical solutions to the biomedical research community. Our high-quality equipment and advanced vivarium systems continue to define and exceed industry standards. Like everything we do, our unparalleled customer service is stamped with the Allentown hallmarks of integrity, dedication and care.

NexGen™

MOUSE 900



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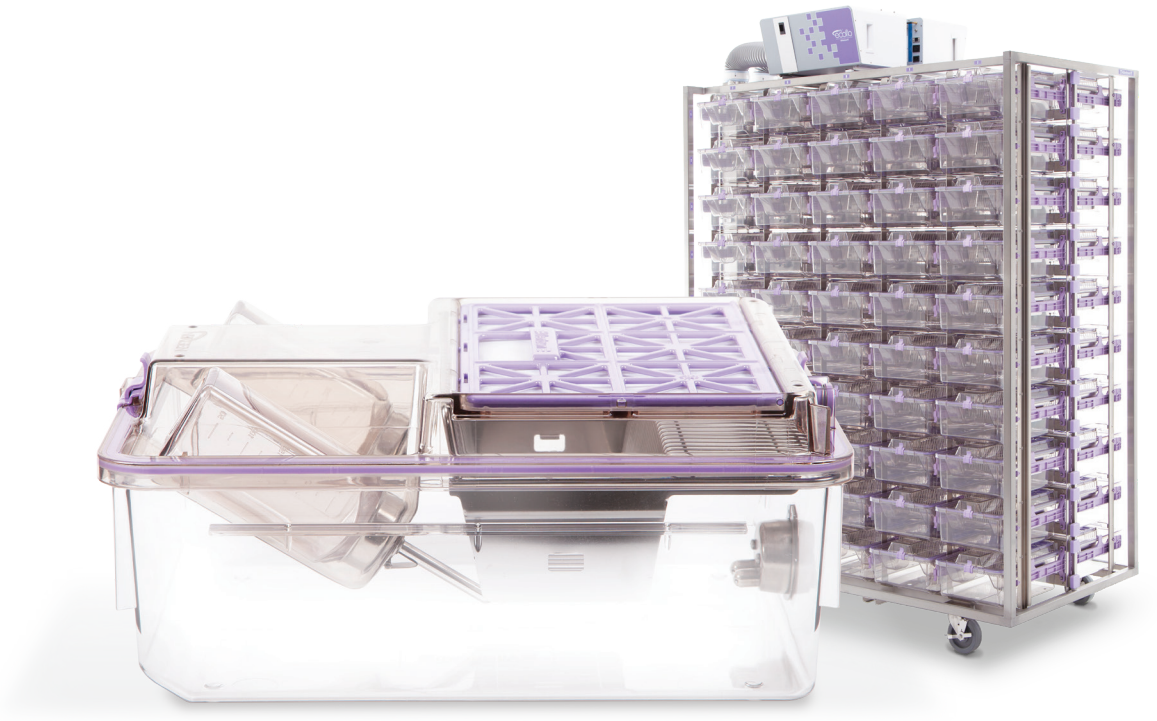
OVERVIEW

Providing critical solutions with integrity and care.



NexGen Mouse 900

The lightest, most cost-effective, easiest-to-use animal-friendly IVC system in the LAS industry, now configured for group-mouse housing.

- Smooth sliding, easy gliding cage docking / undocking (Validated by third-party ergonomist)
- Low vibration spares animals and staff from discomfort
- Reduced need to move animals or clean out cages
- Observation made easier and faster

"Super easy to take cage out of rack"

"It's so quiet I can barely hear it"

"The functionality and maneuverability alone are excellent"

"All the animals bred well"

"Blower is simple to operate with no vibration issues"

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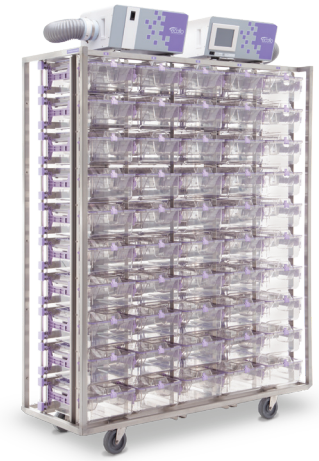
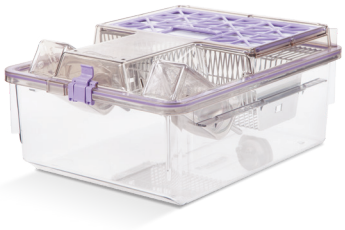
Actual quotes from real Allentown IVC users.

COMPONENTS





IVC System

- Positive or negative precision air controlled rack
- Exhaust plenum always negative to the room
- 45 and 90 cage capacities available
- Whole rack system and cages are autoclavable up to 134 °C[1] and chemically sterilisable
- Plastic (polysulfone) cage support runners with integrated spring-operated cage lock with docking indicator
- Ergonomic, single finger motion docking with auto-locking feature
- Multi-directional 127 mm and 89 mm diameter stainless steel casters with gray polypropylene wheels with sealed ball bearings and four foot-operated brakes
- Dismantable horizontal airflow manifolds with tethered dual plastic end caps for ease of cleaning
- Rear exhaust and supply plenum configurations for single-sided IVCs, or same side exhaust and supply plenum configurations for double-sided IVCs
- 100 mm diameter vertical supply and 100 mm diameter vertical exhaust plenums with back and bottom door access
- 304 stainless steel, welded frame construction, utilizing both square and rectangular structural tubing
- Cage air tubes are 304 stainless steel
- Automatic watering available
- Row and column identification labels
- Model number and serial number identification labels
- Compatible with all configurations of EcoFlo™ blowers
- Compatible with WiVarium Plus™ and Wi-Com Vantage™
- Compatible with Sentinel™ EAD® colony health monitoring system
- Compatible with Wi-Com Sensus™ RFID census solution

Cage System

- Cage floor space of 916 cm^2 to permit group housing and breeding
- Clear polysulfone plastic
- Gasketed cage lid ensures safety and protection from damage
- Clear cage and flip-up / stay-up cardholders improve observations
- Easily accessible water bottles (EBT)
- Hinged filter retainer swings up for easy filter replacements
- Compact nesting and stacking for more efficient autoclaving throughput
- Available with or without locks and with multiple feeder configurations

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[1] Please send Allentown the additional information such as cycle time and pressure so we can confirm the settings will not damage the racks or its components.
Sentinel is a trademark of Allentown, LLC. EAD is a registered trademark of Charles River Laboratories, Inc.

COMPONENTS

Cage System with External Bottle Top
300 mm x 178 mm x 412 mm
Floor space: 916 cm²

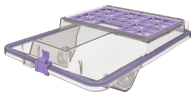
Cage System with Hydropac® Top*
300 mm x 178 mm x 412 mm
Floor space: 916 cm²

Bottle

250 mL | 281 g (filled)
Item # PC250BCL+SLC

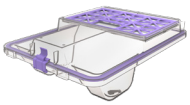
350 mL | 395 g (filled)
Item # PC350BCL+SLC

Top



External Bottle Top
300 mm x 115 mm x 410 mm | 885 g
Item # 225440-1 (without locks)
Item # 225440-2 (with locks)

Micro Barrier Top
300 mm x 49 mm x 412 mm | 748 g
Item # 225556-1 (without locks)
Item # 225556-2 (with locks)



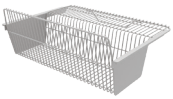
External Hydropac® Top*
300 mm x 127 mm x 410 mm | 907 g
Item # 229382-1 (without locks)
Item # 229382-1 (with locks)

Cardholder

76 mm x 102 mm Vertical
Item # VH34P9-8
(also available in 76 mm x 127 mm
Item # VH35P9-8)

76 mm x 102 mm Horizontal
Item # HH34P9-8
(also available in 76 mm x 127 mm
Item # HH35P9-8)

WBL / Feeder



Half Pocket Wire Bar Lid
Food capacity: 998 g
285 mm x 112 mm x 215 mm | 544 g
Item # 413935

Enrichment

Cage Divider
51 mm x 174 mm x 372 mm | 236 g
Item # 229464

Safe Harbor Mouse Retreat™
64 mm x 70 mm x 114 mm | 50 g
Item # SHMR001

Mouse Mezzanine™
160 mm x 172 mm x 170 mm | 86 g
Item # SMMEZZ

Cage

Cage
300 mm x 137 mm x 395 mm | 953 g
Item # 229743-1 (without automatic watering)
Item # 229743-2 (with automatic watering)

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*The feeder / watering device is approved by Hydropac / Lab Products, Inc. for use with Hydropac® branded valves and pouches. All dimensions shown (Width x Height x Depth) 12-2019

SPECIFICATIONS

Size	Depth (A)	Width (B)	Height[1] (C)	Height[1,2] (D)	Matrix		Sides	Weights[3] (loaded)	Weights[3] (unloaded)	Animal Capacity	ACH	Supply Air	Exhaust Air (+)	Exhaust Air (–)	Energy Use	Heat Load
	mm	mm	mm	mm	Col.	Row		kg	kg			m^3/ hr	m^3/ hr	m^3/ hr	Watts	Watts
127 mm Casters																
45	622	1653	1900	1930	5	9	1	226	146	405	50	24.6	17.8	36.5	9.5	8.6
90	889	1759	1900	1930	5	9	2	390	216	810	50	49.3	36.5	73.1	9.9	8.9
89 mm Casters																
45	622	1653	1862	1892	5	9	1	226	146	405	50	24.6	17.8	36.5	9.5	8.6
90	889	1759	1862	1892	5	9	2	390	216	810	50	49.3	36.5	73.1	9.9	8.9

Note: a.) Airflow at sea-level b.) Rack weight without blowers, animals, bedding or watering c.) Airflow tolerance ± 10 % d.) Other configurations available.
[1] Height includes casters. Add 247 mm to 297 mm for rack mounted blowers [2] Height includes removable runners and collars [3] All weights are approximations

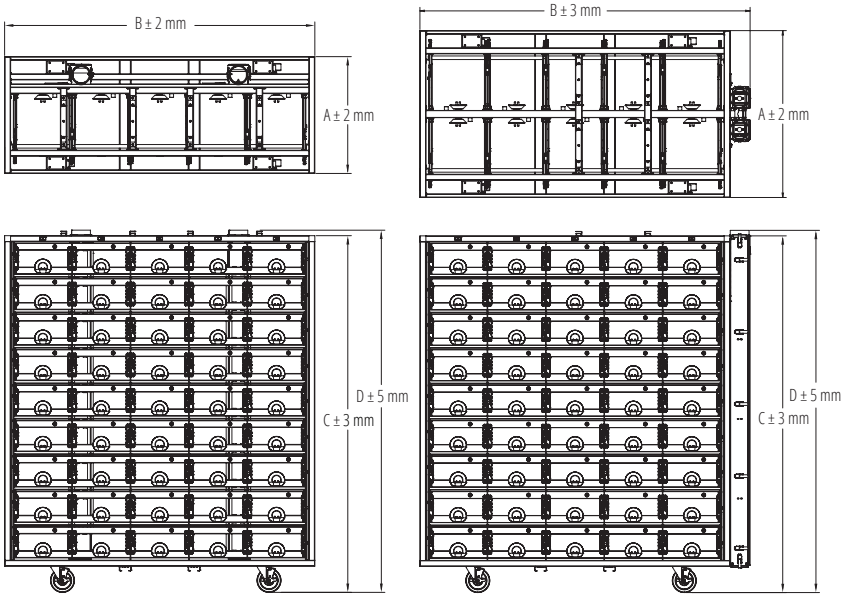
Notes

89 mm or 127 mm diameter casters

Optional top panel

Optional bumpers may change dimensions

Multiple blower configurations



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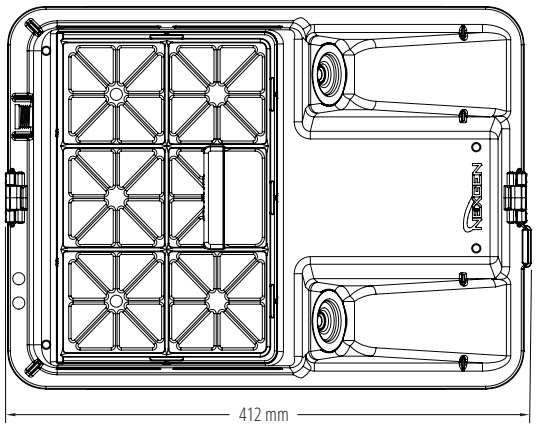
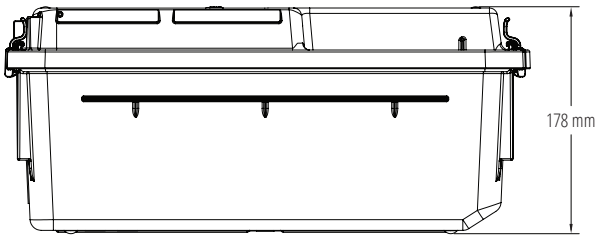
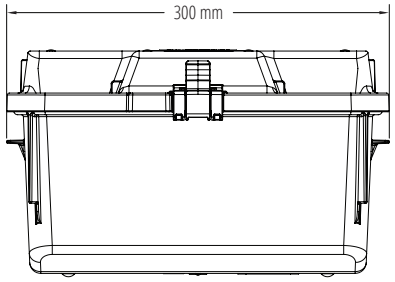
Allentown recommends that projects that have critical size, airflow, water or electrical needs be handled through approval drawings to insure all critical areas are addressed and have visibility throughout the team including, A&E, MEP and construction persons.

SPECIFICATIONS

External Dimensions

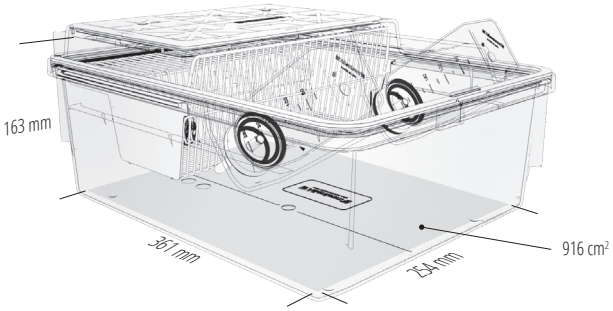






Internal Dimensions

Half Pocket



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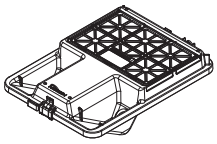
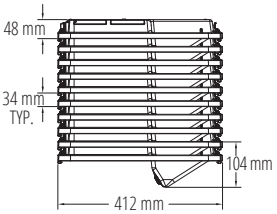
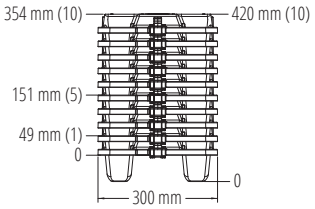
SPECIFICATIONS

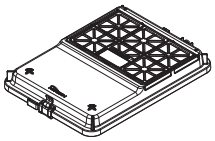
External Bottle Top

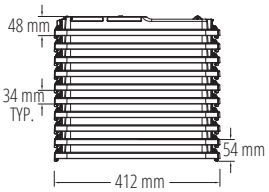


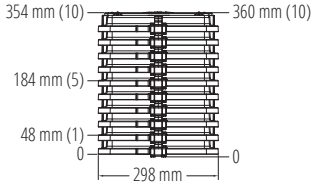




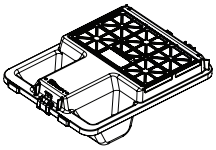
Micro Barrier Top

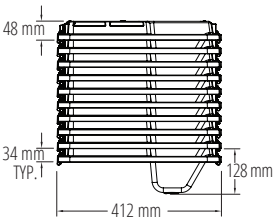


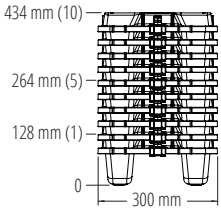




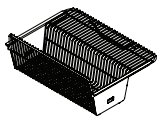
External Hydropac Top

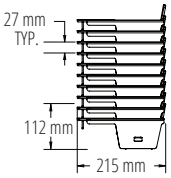


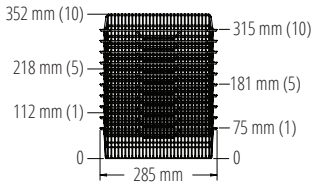




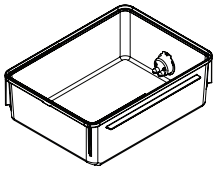
Half Pocket Wire Bar Lid

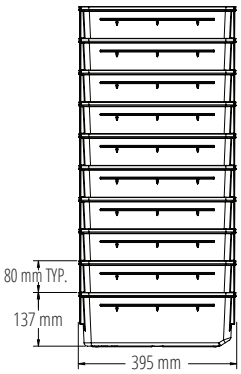


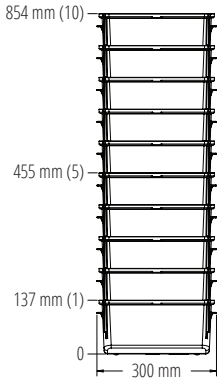




Cage







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