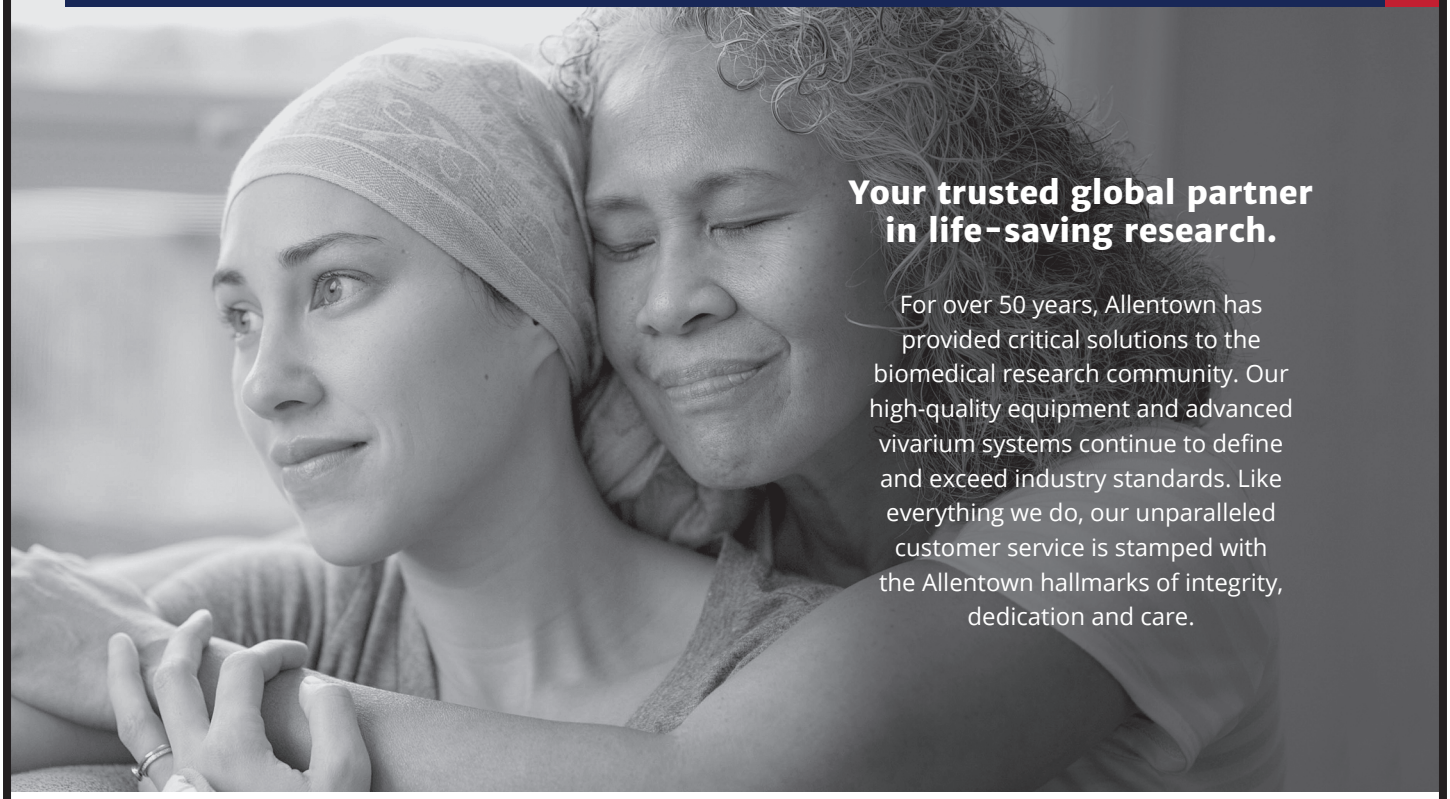

Your trusted global partner in life-saving research.

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.

EasyCage®

RAT

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OVERVIEW

Providing critical solutions with integrity and care.

Disposable, Recyclable, Retrofittable Caging

EasyCage Rat is a single-use, recyclable, retrofittable caging option that works in conjunction with Allentown's NexGen Rat IVCs. Because it's single-use, the EasyCage eliminates cage processes such as washing and autoclaving, streamlining vivarium operations while at the same time improving performance, bio-security, ergonomics, and energy consumption.

All plastic components come decontaminated and ready to use right out of the box.

Once assembled, EasyCages can then be placed directly into a NexGen Rat IVC and used immediately.

When finished using, bedding is discarded and the cage can then be recycled or disposed of. With no post-use processing necessary, putting cages in to and out of use couldn't be any easier.

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COMPONENTS

IVC System

- Positive or negative precision air controlled rack
- Exhaust plenum always negative to the room
- 30, 35, 60, and 70 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 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
- Combo rack option accommodates both NexGen Rat 900 and 1800 cages (15 and 30 cage capacities available)
- Accommodates both NexGen reusable and EasyCage® single-use cage systems

Cage System

EasyCage Rat Base
- Made from recyclable, BPA-free, PET
- Floor area: 916 cm²
- Pre-bedding options: NestPak® ALPHA-dri® or corn cob
- Snap fit with EasyCage Rat Lid
- Sealed supply filter maintains the micro-environment

EasyCage Rat Lid
- Made from recyclable, BPA-free, PET
- Integrated dual bottle wells
- Snap fit with EasyCage Rat Base
- Sealed filters maintain the micro-environment

EasyCage Rat Feeders
- Available feeders:
  – Recyclable aluminum
  – Wire bar made from stainless steel
- Food capacity: 798 g
- Reusable beyond one cage change

EasyCage Cardholder
- Recyclable PVC
- Accommodates 76 mm x 102 mm or 76 mm x 127 mm
- Slides onto EasyCage Rat Lid

EasyCage Watering
- Recyclable, BPA-free, PET bottles
- Purified water
- Dual 300 mL filled (Empty bottles also available)
- Automatic watering version available

NestPak Bedding
- ALPHA-dri or 100 g corn cob (x2)
- A 3-in-1 solution: bedding, nesting and enrichment
- Reduces airborne particulates and allergens
- FDA-approved paper containing a consistent amount of bedding
- Safe for both autoclaving and irradiation

All plastic components come decontaminated and ready to use.

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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.

12-2019

COMPONENTS

Bottle

Standard Cage System
298 mm x 226 mm x 441 mm | 1080 g
Floor space: 916 cm²

Lid

300 mL | 340 g
Item # 228333-1 (x2)
(Empty bottle option available:
Item # 228333-4-R | 23 g)

Cardholder

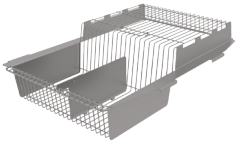
Hydropac®[1] / Bottle Lid
298 mm x 122 mm x 441 mm | 172 g
Item # 229796-1-R

No Bottle Hole Lid
298 mm x 122 mm x 441 mm | 172 g
Item # 229796-2-R

WBL / Feeder

Accommodates 76 mm x 102 mm or 76 mm x 127 mm | 23 g
Item # 228539-V

NestPak®



Stainless Steel Wire Bar Lid
Food capacity: 798 g
282 mm x 107 mm x 399 mm | 594 g
Item # 229611

Aluminum Lid[2]
Food capacity: 798 g
283 mm x 105 mm x 399 mm | 567 g
Item # 229951

Base

ALPHA-dri® or 100 g Corn Cob (x2)

Base
Automatic watering available
298 mm x 164 mm x 441 mm | 254 g
Item # 229799-R

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[1] The feeder / watering device is approved by Hydropac / Lab Products, Inc. for use with Hydropac® branded valves and pouches.
[2] Non-standard order. Minimum quantity requirement will apply. All dimensions shown (Width x Height x Depth)

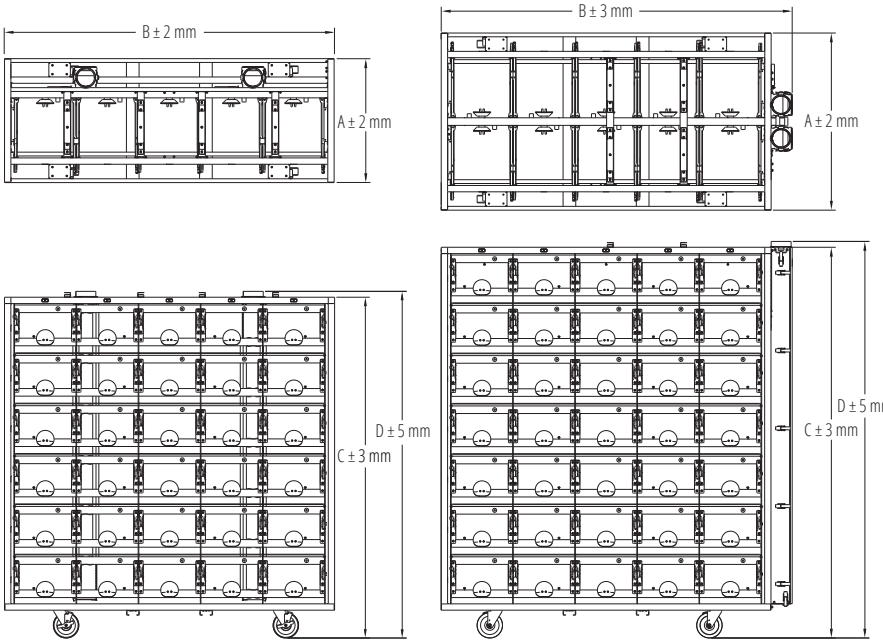
SPECIFICATIONS

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																
30	622	1653	1708	1738	5	6	1	227	123	60	60	28.9	22.1	35.7	12.1	10.9
35	622	1653	1961	1990	5	7	1	240	140	70	60	34.0	25.5	42.5	13.8	12.4
60	889	1759	1708	1738	5	6	2	313	144	120	60	59.5	44.2	74.8	21.6	19.4
70	889	1759	1961	1990	5	7	2	347	168	140	60	68.0	51.0	85.0	21.8	19.6

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

- 127 mm diameter casters
- Optional top panel
- Optional bumpers may change dimensions
- Multiple blower configurations



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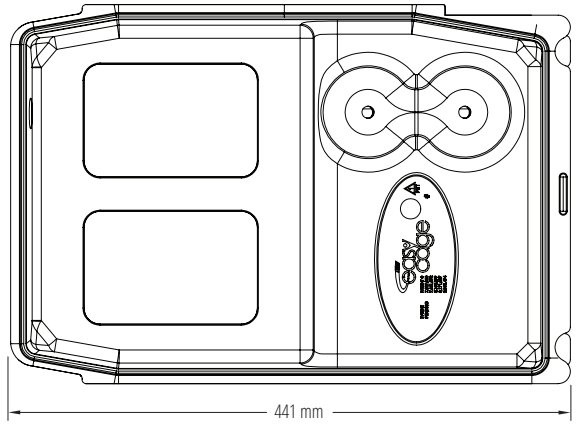
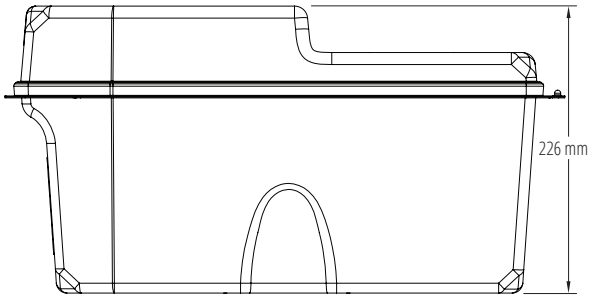
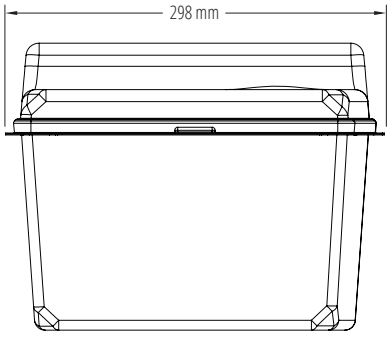
Allentown recommends that projects that have critical size, airflow, water or electrical needs be handled through approval drawings to insure all critical areas are addressed and have visibility throughout the team including, A&E, MEP and construction persons.

SPECIFICATIONS

External Dimensions

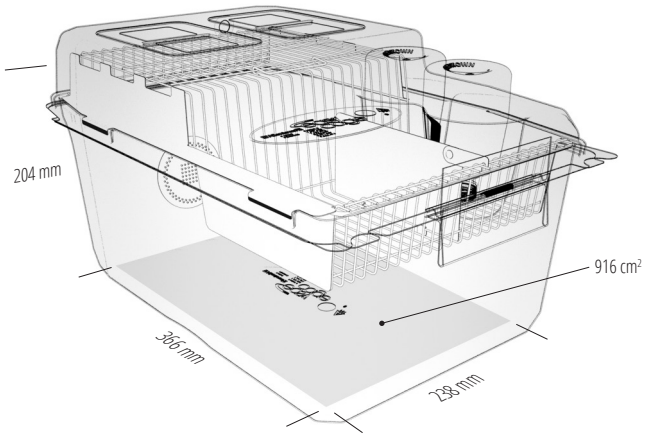






Internal Dimensions

Full Pocket



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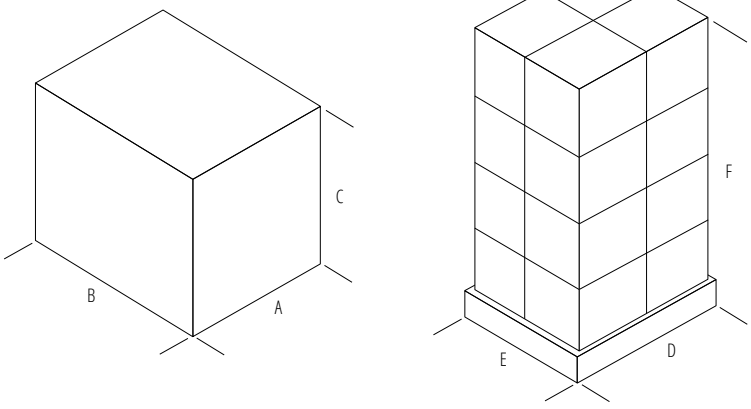
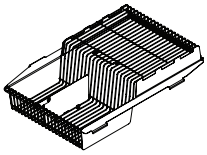
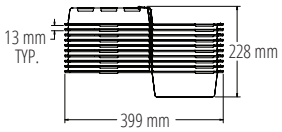
SPECIFICATIONS

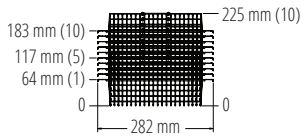
Description	Box				Pallet			
	Items per Box	Depth (A)	Width (B)	Height (C)	Items per Pallet	Depth (D)	Width (E)	Height (F)
		mm	mm	mm		mm	mm	mm
Bottle								
Filled	20	279	356	114	1080	1219	1016	832
Empty	96	495	295	442	3072	1219	1016	1911
Lid								
Hydropac®* / Bottle	50	375	635	473	800	1016	1016	2029
Cardholder								
Plastic	100	241	203	311	12000	1219	1016	2026
Base								
Empty	25	470	470	343	300	38.00	38.00	1739
Bedded (Corn Cob)	25	622	470	343	300	1219	1016	1417
Bedded (ALPHA-dri)	25	673	470	343	300	1219	1016	1417



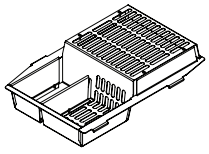
Stainless Steel Wire Bar Lid

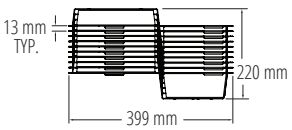


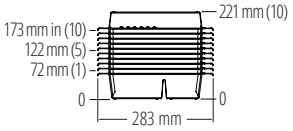




Aluminum Lid







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