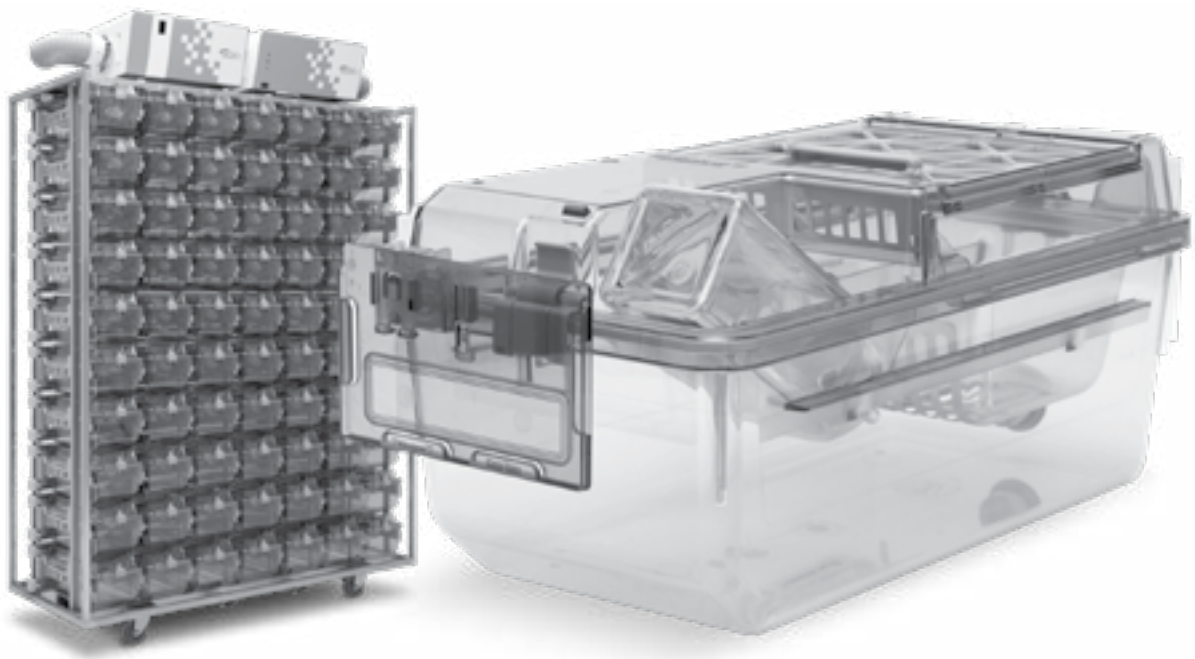


Your trusted global partner in life-saving research.

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 500



OVERVIEW

Providing critical solutions with integrity and care.



NexGen Mouse 500

Introducing the NexGen IVC system. Our goal in bringing the NexGen to market was to ensure it is the lightest, most cost-effective, easiest-to-use animal-friendly IVC system in the LAS industry.

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 manoeuvrability
alone are excellent”

“All the
animals
bred well”

“Blower is simple
to operate with
no vibration issues”

OVERVIEW



IVC System

- Positive or negative precision air controlled rack
- Exhaust plenum always negative to the room
- Up to 180-cage capacity
- Whole rack system and cages are autoclavable up to 134 °C¹ 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
- Accommodates both NexGen reusable and EasyCage® single-use cage systems

Cage System

- Cage floor space of 500 cm² or 535 cm² (with Edge cage)
- 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
- Lightweight plastic feeder tray (PFT)

COMPONENTS

Standard Cage System with External Bottle Top
194 mm x 181 mm x 398 mm
Floor space: 500 cm²



Edge Cage System with Micro Barrier Top
193 mm x 178 mm x 397 mm
Floor space: 535 cm²

Bottle



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

Top



External Bottle Top
194 mm x 114 mm x 397 mm | 590 g
Item # 228652-5 (without locks)
Item # 228652-4 (with locks)



Micro Barrier Top
194 mm x 55 mm x 398 mm | 544 g
Item # 228655-5 (without locks)
Item # 228655-4 (with locks)



Dual External Bottle Top
194 mm x 114 mm x 398 mm | 658 g
Item # 228843-1 (without locks)
Item # 228843-2 (with locks)



External Hydropac® Top*
194 mm x 127 mm x 397 mm | 612 g
Item # 228682-1 (without locks)
Item # 228682-2 (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



Wire Bar Lid
Food capacity: 426 g
178 mm x 74 mm x 375 mm | 499 g
Item # 412483



Half Pocket Wire Bar Lid
Food capacity: 599 g
177 mm x 113 mm x 222 mm | 363 g
Item # 314677



Dual PFT with Stainless Steel Grate
Food capacity: 848 g
178 mm x 116 mm x 220 mm | 272 g
Item # 225663-1



Single PFT with Stainless Steel Grate (Hydropac®)
Food capacity: 426 g
178 mm x 116 mm x 220 mm | 272 g
Item # 225664-1

Enrichment



Cage Divider
159 mm x 168 mm x 368 mm | 113 g
Item # 224520-1



Enrichment Loft
60 mm x 78 mm x 102 mm | 45 g
Item # 315680



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



Mouse Mezzanine™
160 mm x 70 mm x 170 mm | 86 g
Item # SMMEZZ

Cage



Standard Cage
194 mm x 130 mm x 381 mm | 635 g
Item # 223581-2 (without automatic watering)
Item # 223581-4 (with automatic watering)



Edge Cage
194 mm x 130 mm x 381 mm | 612 g
Item # 223580-2 (without automatic watering)
Item # 223580-4 (with automatic watering)

SPECIFICATIONS

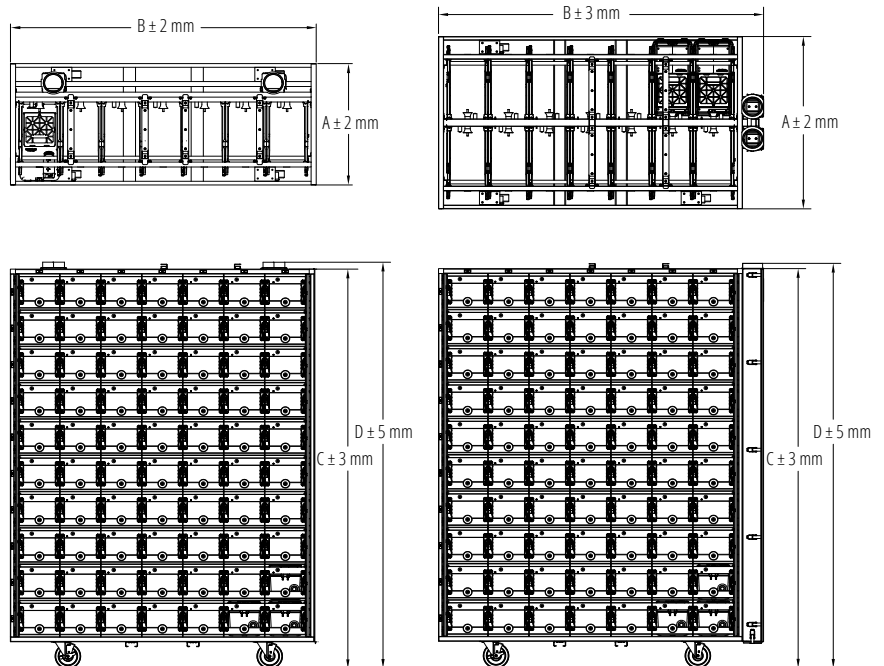
Size	Depth (A) mm	Width (B) mm	Height (C) ¹		Height (D) ^{1,2}		Matrix		Sides	Weights ³ (loaded) kg	Weights ³ (unloaded) kg	Animal Capacity	ACH	Supply Air m ³ /hr	Exhaust Air (+) m ³ /hr	Exhaust Air (-) m ³ /hr	Energy Use Watts	Heat Load Watts
			89 mm Casters	127 mm Casters	89 mm Casters	127 mm Casters	Col.	Row										
			mm	mm	mm	mm												
Lo-Profile Rack																		
60	622	1313	1996	2034	2025	2063	6	10	1	227	135	300	50	23.8	18.7	30.6	10.8	9.7
70	622	1518	1996	2034	2025	2063	7	10	1	249	143	350	50	27.2	20.4	34.0	11.1	10.0
80	622	1722	1996	2034	2025	2063	8	10	1	297	176	400	50	30.6	23.8	39.1	11.5	10.4
120	889	1419	1996	2034	2025	2063	6	10	2	356	185	600	50	45.9	34.0	57.8	11.7	10.5
140	889	1624	1996	2034	2025	2063	7	10	2	404	193	700	50	54.4	40.8	68.0	13.0	11.7
160	889	1828	1996	2034	2025	2063	8	10	2	449	223	800	50	61.2	45.9	76.5	13.6	12.3

Standard Rack																		
48 ⁴	622	1313	-	1688	-	1717	6	8	1	178	105	240	50	20.4	16.9	25.5	10.1	9.0
56 ⁴	622	1518	-	1688	-	1717	7	8	1	207	122	280	50	22.1	16.9	32.3	11.0	9.9
63 ⁴	622	1518	-	1875	-	1904	7	9	1	233	137	315	50	23.8	18.6	33.9	12.4	11.1
72 ⁴	622	1722	-	1875	-	1904	8	9	1	266	156	360	50	27.2	20.4	37.4	12.2	10.9
81 ⁴	622	1927	-	1901	-	1930	9	9	1	300	177	405	50	30.6	23.8	42.5	12.3	11.1
112 ⁴	889	1624	-	1688	-	1717	7	8	2	325	159	560	50	42.5	32.3	59.5	12.5	11.3
126 ⁴	889	1624	-	1875	-	1904	7	9	2	365	190	630	50	49.3	37.4	61.2	12.7	11.4
144 ⁴	889	1828	-	1875	-	1904	8	9	2	418	201	720	50	56.1	42.5	76.5	12.8	11.5
162 ⁴	889	2034	-	1901	-	1930	9	9	2	454	224	810	50	62.9	47.6	86.7	14.7	13.3

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.
⁴ 89 mm casters not offered in this configuration.

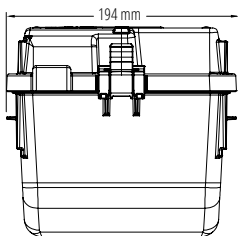
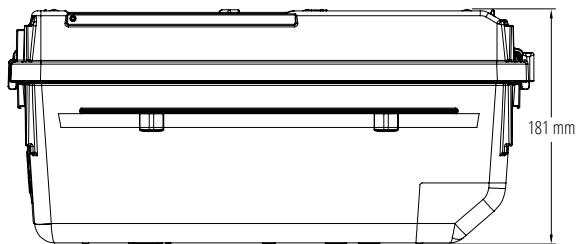
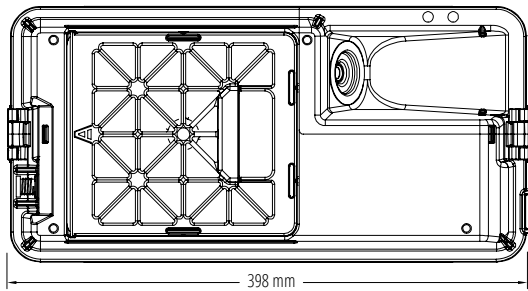
Notes

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



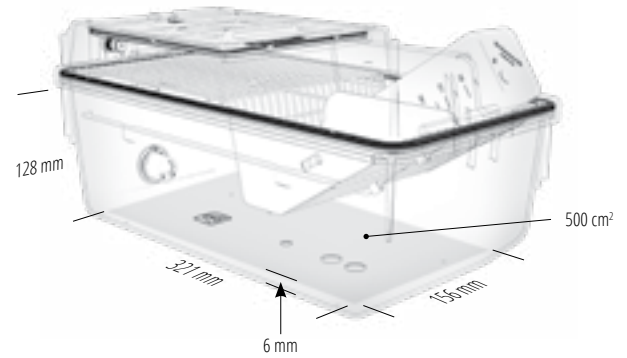
SPECIFICATIONS

External Dimensions

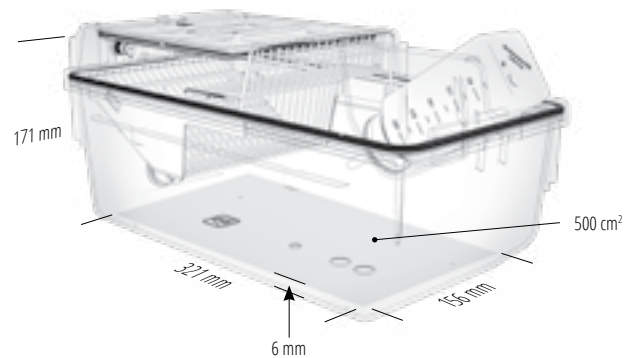


Internal Dimensions

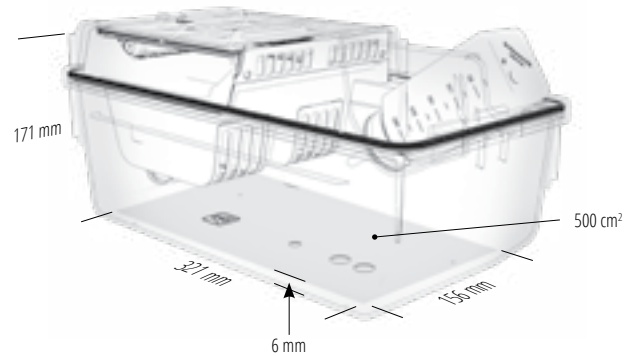
Full Pocket



Half Pocket

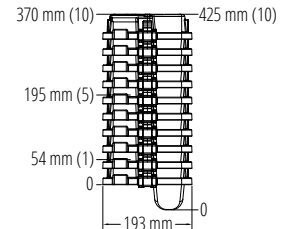
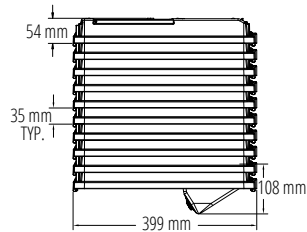
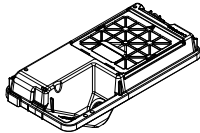


PFT

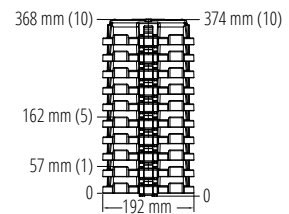
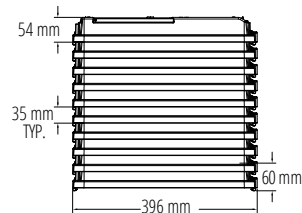
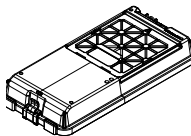


SPECIFICATIONS

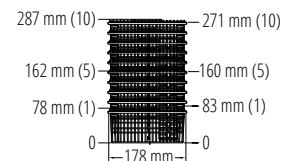
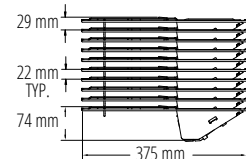
External Bottle Top



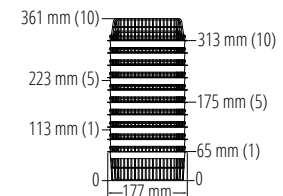
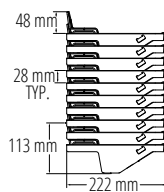
Micro Barrier Top



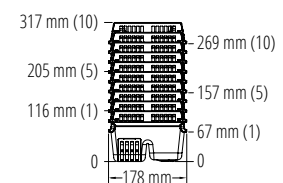
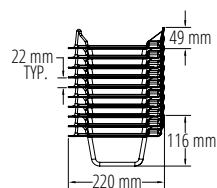
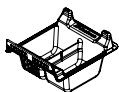
Full Pocket Wire Bar Lid



Half Pocket Wire Bar Lid



PFT



Cage

