Allentown
Improving Life – it's in our DNA.®

ANIMA LAB
animal facility and laboratory equipment • animal research models

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.

Phantom2™

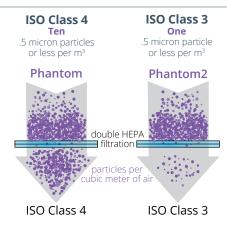## ANIMAL TRANSFER STATION

OVERVIEW

Providing critical solutions with integrity and care.

2 Good to be True!

Introducing Phantom2, the latest innovation in animal transfer stations from Allentown. The Phantom2 expands upon everything that made the original Phantom great, with improved ISO Class 3 airflow, the new Active Barrier Containment™ (ABC) system, technologic and ergonomic enhancements to improve ease of use, lighter weight, and a variety of optional features for added convenience.

ISO Class 4 Ten .5 micron particles or less per m³

ISO Class 3 One .5 micron particle or less per m³

Phantom

Phantom2

double HEPA filtration

particles per cubic meter of air

ISO Class 4

ISO Class 3

ISO Class 3 Airflow – While the original Phantom provided ISO Class 4 airflow – 10 times the level of air cleanliness than most units at that time – the Phantom2 is the only ATS in the industry that employs double HEPA filtration to achieve ISO Class 3 airflow.

Active Barrier Containment – Protection of your research, your animals and your personnel is the main goal of an animal transfer station. The Phantom2 uses an outside-of-sash air curtain barrier for increased work surface protection.

Ease of Use – The Phantom2 has a new color touchscreen, from which users can program variable heights for the unit, dim or adjust lights (including the use of a new RED light mode), and set ECO-modes for environmentally-friendly operation.

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Phantom2
ANIMAL TRANSFER STATION

COMPONENTS

Safety and Protection

ISO Class 3 airflow (the only ISO Class 3 ATS in the industry)

Double HEPA filter design

Active Barrier Containment (ABC): Outside-of-sash air curtain barrier for increased work surface protection

Redesigned air diffuser

Repositioned sashes with 6 mm tempered safety glass

Air exhausted at the top of the unit, away from dirt and particles near the floor

Less than 1° Celsius heat rise in cabinet

All innovatively driven by a single, energy efficient, ½-hp ECM motor, which maintains airflow volume within 1% of nominal as filters load

Ease of Use

Full color touchscreen controls

Operating system supports 8 languages: English, Spanish, French, German, Italian, Portuguese, Chinese, Japanese

Dimmable LED lights – white (6000k) and red mode

305 mm height-adjustable electric lift system with four programmable lift height settings

ECO Mode for environmentally-friendly operation: configurable to manage lights and blower after user-defined period of inactivity

Expanded work area opening (now 406 mm high)

Overall weight reduction (as much as 27 kg)

New handle configuration for better control

127 mm polyurethane casters with brakes

Reduced unit length

Options

Specially-designed food hopper with 15 kg capacity

Motion sensors for environmentally-friendly operation

Object avoidance: maximum / minimum set points

Moveable magnifying glass attachment for the sash

Cage lid holder for the work surface

Moveable "anywhere" bumpers for damage-free transport

Foot rest and shelving

Trespa work surface attachment

One-side access: Clear 6 mm polycarbonate back panel

Front shelf: 19 mm chemical grade phenolic laminate

End shelf: 19 mm chemical grade phenolic laminate

Extra (right side) handles

Hand sanitizer

Left-hand electrical recepticle (country specific) with flush "soft-close" stainless cover

Two IP-rated USB 2.0 charging ports

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12-2019

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SPECIFICATIONS

Dished Work Surface			External Width (D)	Worksurface Max Load	Weight[1] (Product)	Weight[1] (Crated)	Noise Level[2] (EN12469)	Downflow Air Velocity	Energy Use (Blower)	Energy Use (Blower + Lights)	Energy Use (Lift System)
Depth (A)	Width (B)	Height (C)									
mm	mm	mm	mm	kg	kg	kg	dBa	m / sec	Watts	Watts	Watts
Phantom2 Mini											
635	724	749	1074	22.7	196	218	55.4	.25 – .28	209	229	251
Phantom2 Standard											
635	978	749	1328	22.7	224	251	57.2	.25 – .28	273	298	251
Phantom2 Long											
635	1232	749	1582	50	252	281	60.9	.25 – .28	411	451	251

[1] All weights are approximations. [2] Data taken with new filters, and no accessories installed.

Notes

Work area: 304 stainless steel (18 – 16 gauge)

Cabinet structure: Recyclable powder-coated steel (18 – 16 gauge)

25 mm dished, stainless steel worksurface

25 mm NPT hose barb fitting with ball valve

Voltage:
- 100 – 115 v, 50 / 60 Hz
- 208 – 230 v, 50 / 60 Hz

Receptacle: ADA compliant, GFI, covered

Air quality: ISO Class 3

HEPA filter: 99.99 % @ 0.3 µ

267 mm knee space

Pre filters:
- Phantom2 Mini:
  One 305 mm x 762 mm nominal, disposable
- Phantom2 Standard / Phantom2 Long:
  Two 305 mm x 508 mm nominal, disposable

Lighting:
- Phantom2 Mini:
  10-96 f-c (107 – 1070 lux)
- Phantom2 Standard:
  11-109 f-c (119 – 1190 lux)
- Phantom2 Long:
  13-131 f-c (144 – 1440 lux)

Agency approvals: ETL, CSA, CE Mark

Retractable power cord: 4 meters

Mini: 876 mm • Standard: 1130 mm • Long: 1384 mm

406 mm

737 mm

Minimum: 1918 mm
Maximum: 2225 mm

Minimum: 869 mm
Maximum: 1174 mm

813 mm

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.

12-2019