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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

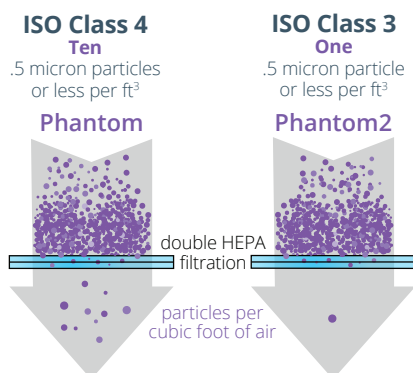


OVERVIEW



## 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 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.

**COMPONENTS**



**Safety and Protection**

- ISO Class 3 airflow (the only ISO Class 3 ATS in the industry verified by 3rd party)
- 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 ¼-inch 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
- 12-inch 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 16 inches high)
- Overall weight reduction (as much as 60 pounds)
- New handle configuration for better control
- 5-inch polyurethane casters with brakes
- Reduced unit length

**Options**

- Specially-designed food hopper with 33-pound 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 ¼-inch polycarbonate back panel
- Front shelf: ¾-inch chemical grade phenolic laminate
- End shelf: ¾-inch chemical grade phenolic laminate
- Extra (right side) handles
- Hand sanitizer
- Left-hand electrical receptacle (country specific) with flush “soft-close” stainless cover
- Two IP-rated USB 2.0 charging ports

**SPECIFICATIONS**

| Dished Work Surface      |           |            | External Width (D) | Worksurface Max Load | Weight <sup>1</sup> (Product) | Weight <sup>1</sup> (Crated) | Noise Level <sup>2</sup> (EN12469) | Downflow Air Velocity | Energy Use (Blower) | Energy Use (Blower + Lights) | Energy Use (Lift System) |
|--------------------------|-----------|------------|--------------------|----------------------|-------------------------------|------------------------------|------------------------------------|-----------------------|---------------------|------------------------------|--------------------------|
| Depth (A)                | Width (B) | Height (C) |                    |                      |                               |                              |                                    |                       |                     |                              |                          |
| in                       | in        | in         | in                 | lbs                  | lbs                           | lbs                          | dBa                                | FPM                   | Watts               | Watts                        | Watts                    |
| <b>Phantom2 Mini</b>     |           |            |                    |                      |                               |                              |                                    |                       |                     |                              |                          |
| 25.0                     | 28.5      | 29.5       | 42.3               | 50                   | 431                           | 481                          | 55.4                               | 50 – 55               | 209                 | 229                          | 251                      |
| <b>Phantom2 Standard</b> |           |            |                    |                      |                               |                              |                                    |                       |                     |                              |                          |
| 25.0                     | 38.5      | 29.5       | 52.3               | 50                   | 493                           | 553                          | 57.2                               | 50 – 55               | 273                 | 298                          | 251                      |
| <b>Phantom2 Long</b>     |           |            |                    |                      |                               |                              |                                    |                       |                     |                              |                          |
| 25.0                     | 48.5      | 29.5       | 62.3               | 50                   | 555                           | 620                          | 60.9                               | 50 – 55               | 411                 | 451                          | 251                      |

<sup>1</sup> All weights are approximations. <sup>2</sup> 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)

1-inch dished, stainless steel worksurface

1-inch 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 % @ 0.3µ

10.5-inch knee space

Pre filters:

- Phantom2 Mini:  
One 12 in x 30 in nominal, disposable
- Phantom2 Standard / Phantom2 Long:  
Two 12 in x 20 in 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:

- 25 feet (100 – 115 v), or
- 13 feet (208 – 230 v)

