

Индивидуальные системы изоляции

Технические характеристики

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ISOLATION AND CONTAINMENT UNITS

Isolation Systems Engineered for Specific Research Projects.

Select and start with a basic housing size and add your desired features to develop the exact isolator for your research needs.

Our rigid acrylic isolators provide complete transparency (no hidden corners), long term strength (durability), and freedom from through the wall leakage of atmosphere. Permeation rate is minimized. Resistance to permeation is 12% better than flexible vinyl style units.

The optical quality and durability of acrylic does not become brittle and crack with age. PETG units are also available as an option if VHP sterilization is anticipated. “Banjo™” type fittings are included for VHP applications.

Multiple station units offer the benefit for greater productivity and efficiency during sequential procedures. Units may also be attached in train if required. Refer to Catalog #800-T Transfer Chamber “T” in the Accessories Section.

Features included with each isolator:

- Standard 24 month warranty (Not gloves or consumables-filters).
- The top and bottom sections are each formed of one (1) piece optically clear acrylic .375” (950 mm) thick.
- Joining gaskets are closed cell neoprene and doubled layered 1” (25.4 mm) thick for long term durability.
- Stainless Steel quick acting (adjustable) clamps and strikes.
- Ambidextrous, white Hypalon™ gloves for superior U.V. and chemical resistance.
- Stainless Steel glove port rings for added security.
- Transfer chamber at 12” long (305 mm) x 11” Ø (280 mm) I.D. NOTE: Other sizes available.
- Two (2) ground key cock valves for purging the transfer chamber.
- White leveling tray for transferring liquids into the main chamber.
- Rigid doors on the transfer chamber allow for complete purging and include adjustable stainless steel clamps.
- Rounded “Easy Clean” corners on the top and bottom sections.

NOTE: Dimensions and product details for all Series #800-RPL isolators are listed on



#805-RPL Isolator (Double Rack System)

Electrical requirements:

Amp requirements will vary as to the features selected.

North American 115-120 Volts, 60 Hz.

Export Models 220-240 Volts, 50 Hz.

The entire isolator system can be safely relocated from lab to lab by merely unplugging the electrical connection.



Catalog #800-SHELF-II (Sliding shelf accessory)

The sliding shelf accessory greatly increases the holding capacity of the isolator. Our shelf is designed to keep the valuable floor area uncluttered. No shelf supports eliminate cleaning problems on the floor. Shelf can be pushed to rear of the isolator when not in use. Refer to Accessories Section for additional shelf details.

ISOLATION UNITS & STERILITY ISOLATOR DATA

Our Sterility Isolator, Catalog #881-SI has been designed to provide a sterile, particle free working environment. The HEPA filtration system maintains a slight positive pressure in the main chamber ensuring complete product isolation. The HEPA fan unit has an adjustable speed control.

The isolator can be sterilized using most of the commercially available sterilants. If needed, VHP set ups are also available. **NOTE:** Port plugs must be used for VHP procedures.

Access to the main working chamber is achieved through our Hypalon™ glove system. Our unique bare hand entry port system is also available if preferred.

All isolator systems can be safely moved from lab to lab by merely unplugging the electrical connection.

Sterility Isolator (#881-SI) Features Include:

- Standard 24 month warranty (Not entry system or consumables).
- “Bright White” bottom work surface .375” thick (950 mm).
- Large HEPA filter size 24” (610 mm) x 48” (1,220 mm) x 6” (152 mm) thick. Same size as inner work surface area.
- Optically clear .375” thick (950 mm) acrylic construction.
- Large 10”Ø (254 mm) bare hand entry system.
- Large square transfer chamber with two (2) purging valves.
- Multiple electric outlet (socket) strip, hospital grade.
- Removable shelf.
- Adjustable speed control (70-140 FPM).
- “Bright Light” system (40,000 hour lamp guarantee).
- U.V. sterilization system (254 nm).

Some available accessories:

- Iris diaphragms.
- Flow meter set ups (PSI & Pascals) **Refer to page #46.**
- Static elimination Ionizers (Draft free).
- “Banjo™” type fittings for VHP sterilization.
- Glove port plugs. **Refer to page #39.**
- “Dip (Dunk) Tank” entry system with lid.
- Automatic Transfer Chamber “interlock” system. **Refer to page #47.**
- Stainless steel cushioned cart (Trolley).

Available Certification services. Refer to page #27.

1. I.Q. & O.Q. Certification.
2. Factory Acceptance Test (F.A.T.) Certification.
3. HEPA Filtration Certification (By outside agency).



#881-SI, Sterility Isolator
#881-SI/EXP, Export Model Sterility Isolator

Electrical requirements:
North American 115-120 Volts, 60 Hz. 10 Amps.
Export Models 220-240 Volts, 50 Hz. 5 Amps.

Product Specifications

| Model Number | Approximate Volume | Isolator Dimensions I.D. Base and Height | Approximate Shipping Wt. |
|--------------|-----------------------------|---|--------------------------|
| #881-SI | 30.2 Cu. Ft 854 Liters | 58" w x 29" d x 31" h 1,472 x 737 x 787 mm Overall Dimensions (O.D.) 78" w x 30" d x 45" h 1,982 x 762 x 1,144 mm | 180 Pounds 83 Kilos |
| #800-RPL | 20.7 Cu. Ft 586 Liters | 30" w x 30" d x 35" h 760 x 760 x 790 mm Overall Dimensions (O.D.) 40" w x 40" d x 36" h 1,010 x 1,010 x 910 mm | 145 Pounds 67 Kilos |
| #802-RPL | 36.5 Cu. Ft 1,033 Liters | 48" w x 32" d x 34" h 1,210 x 810 x 840 mm Overall Dimensions (O.D.) 58" w x 42" d x 36" h 1,470 x 1,070 x 915mm | 186 Pounds 85 Kilos |
| #805-RPL | 40 Cu. Ft 1,132 Liters | 56" w x 32" d x 35" h 1,420 x 810 x 840 mm Overall Dimensions (O.D.) 64" w x 43" d x 36" h 1,620 x 1,090 x 915 mm | 197 Pounds 90 Kilos |
| #806-RPL | 48 Cu. Ft 1,358 Liters | 72" w x 32" d x 35" h 1,830 x 810 x 860 mm Overall Dimensions (O.D.) 81" w x 41" d x 36" h 2,060 x 1,040 x 915 mm | 235 Pounds 106 Kilos |

BIOTOXIN CONTAINMENT & DECONTAMINATION CHAMBERS

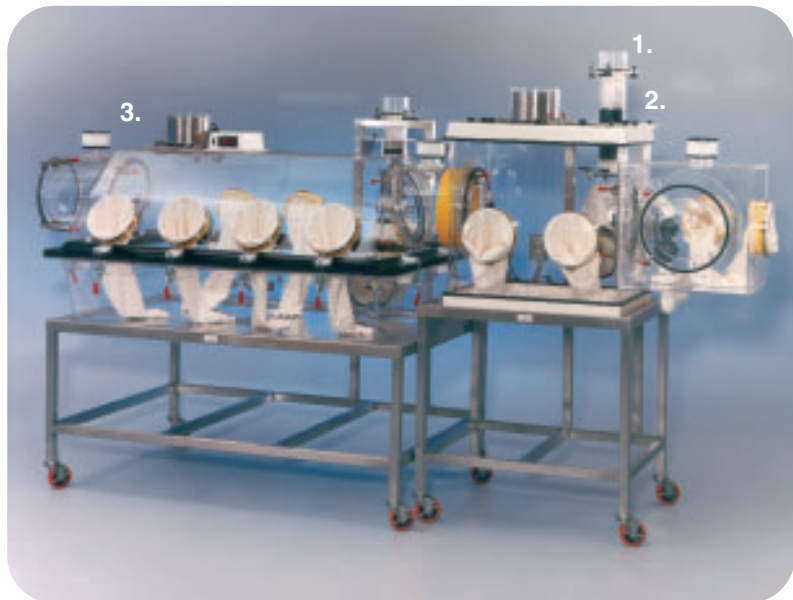
Illustrated are two special units coupled together for biotoxin containment (left) and a decontamination chamber. They are negative pressure units and include three different special filter set ups.

- #1. Molecular Sieve.
- #2. Activated Carbon.
- #3. HEPA Filters.

Isolators are available with interlocking stainless steel support carts (trolleys) with Marine Edge tops. These tops are a safety feature in case of liquid spills.

Units as shown are set up for connection to house exhaust systems.

Refer to pages 12 & 15 for dimensions.



#818- GBB/SP (left) & #830-ABB/SP (right)

What can we build for you?

DRUG PROCESSING STATIONS & ISOLATORS SET UP IN TRAIN

Illustrated are two special #818-GBB glove boxes coupled together used as a drug processing station for multiple operators.

Units are set up for connection to house exhaust systems.

Isolators are available with interlocking stainless steel support carts (trolleys) with Marine Edge tops or safety.

Refer to pages 12 & 15 for dimensions.



#818- GBB/SP (double set up)

Note: All isolators can be constructed of clear PVC or PETG if VHP sterilization is planned. Banjo™ fittings are included. Refer to page #46.

Available Certification services.

- 1. I.Q. & O.Q. Certification.
- 2. Factory Acceptance Test (F.A.T.) Certification.
- 3. HEPA Filtration Certification (By outside agency).

CUSTOM CAPABILITIES AND PROJECTS

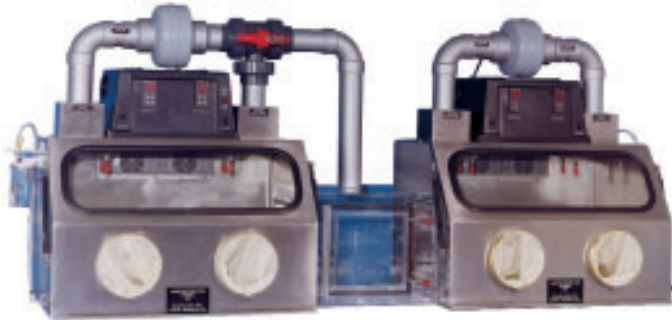
Some Additional Samples of Custom Built Isolators.

PLAS ■ LABS is committed to providing high quality research equipment at a fair price. We realize that unique research protocols may require individualized equipment. We offer the following special services:

- Design Engineering.
- New Product Development.
- I.Q. & O.Q. Documentation.
- Custom Service/Maintenance Schedules.
- Customized Operator Manuals.
- Third Party Certification.
- CAD Drawings.
- F.A.T. Documentation.
- On Site Training.
- Various Materials of Construction, Eg., Light Sensitive Protection, Stainless Steel, Static-Dissipative Acrylic, Clear PVC, and PETG.

Our design engineering team adheres to the most up to date guidelines from the following organizations:

- International Society for Pharmaceutical Engineering.
- American Biological Safety Association.
- American Association for Lab Animal Science.
- American Glove Box Society.
- U.S. National Institutes of Health.
- U.S. Centers for Disease Control.
- The World Health Organization (The Laboratory Biosafety Manual).



Conditioning and Weighing Diesel Particulate Filters

Two stainless steel glove boxes with automatic temperature and dew point controls, blower, and HEPA filter system for auto emission studies.



A Special "Nanotechnology" Unit

Compact glove box with temperature and humidity control with data logging capabilities. Designed for use in Nanotechnology studies.



Small Tablet Press Isolator

Isolator designed to house a small tablet press. Includes inlet/outlet HEPA system, hermetically sealed feed throughs, removable top and transfer chamber



Penicillin Processing Isolator



A Drug Transfer Isolator

Isolator for transferring pharmaceutical tablets from a press to a table coater. Includes sanitary fittings, spray ball with quick disconnect and transfer chamber.



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