

**Protector®**  
**Multi-Hazard Glove Box**

**Models 5065000, 5065002**  
**5065500, 5065502**

**INSTRUCTION MANUAL**

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## ***PREFACE***

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Thank you for displaying confidence in us by selecting a Labconco Protector® Multi-Hazard Glove Box. Our design engineers, assemblers and inspectors have utilized their skills and years of experience to ensure that the new Labconco Controlled Atmosphere Glove Box meets our high standards of quality and performance.

### **IMPORTANT NOTICE**

Labconco Protector® Glove Boxes are designed to contain chemical and some bio-hazardous materials. The Protector should not be considered a Class III Bio-Hazard Cabinet, nor should they be considered for use with Biosafety Level 4 agents. While the Protector Glove Box provides a physical barrier between the user and their work, it is the user's responsibility to ensure that all materials are appropriately decontaminated, inactivated, or rendered harmless before removal from the unit. For further information regarding the handling of specific materials, please contact your facilities safety officer.

All the end users should read this manual carefully in order to become familiar with the operation of the glove box. Recommendations are made within the manual to help you obtain maximum performance and life from your product.

We have included sections on initial set up, operation, maintenance and troubleshooting to provide you with all the tools necessary to achieve maximum performance.

If you have questions or concerns, do not hesitate to call us at 1-800-821-5525 for assistance.

## **Components Shipped**

Carefully check the contents of the carton for damage that might have occurred in transit. Do not discard the carton or packing material until all components have been checked against the following component list and the equipment has been installed and tested.

As shipped, the carton should contain the following:

<b>Part Number</b>	<b>Description</b>
5065000	Multi-Hazard Glove Box, Fiberglass
or	
5065500	Multi-Hazard Glove Box, Stainless Steel
5005600	Glove Kit – Pair, Neoprene, size 9-3/4 (includes 2 - O-Rings)
5093700	Instruction Manual

# INTRODUCTION

## General Description

The Multi-Hazard Glove Box is equipped with a blower, air damper and filter system that provide versatility for many particular applications. The variable speed blower provides air volumes between 10 and 50 CFM and negative glove box pressure up to 1.5 inches H<sub>2</sub>O gauge. The air damper provides a means for operating the glove box at a more negative pressure when the blower is running at low speed (low air volume). The filtering system consists of one inlet HEPA and one exhaust HEPA filter (both rated at 99.99% efficient on 0.3 micron particulates). A “roughing” prefilter is also provided to capture room air particles and extend the life of the inlet HEPA filter.

**Optional Filters:** (for installation between exhaust HEPA and blower).

**Charcoal Filter:** (Cat. No. 5065300) contains 4 lbs. of Barnebey and Sutcliffe type 787 impregnated, activated carbon for removal of gaseous radioisotopes.

**Additional Exhaust HEPA Filter Kit** (Cat. No. 5065200) same as filter shipped with unit, plus an extended length tube for connection to blower.

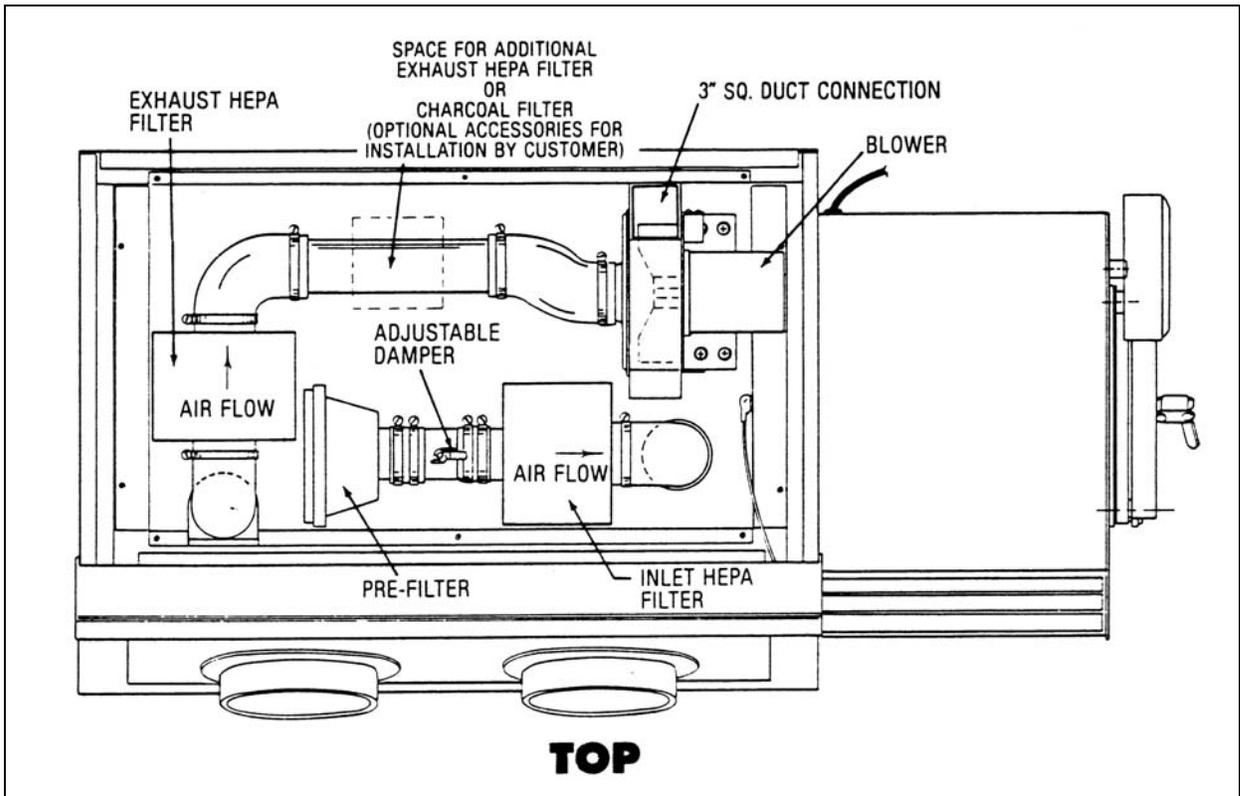


Figure 1

## **Performance**

The Labconco Protector Multi-Hazard Glove Box has been carefully designed, constructed and tested in order to provide an effective physical barrier between the laboratory and the glove box interior. This barrier and the filtering system, provides a clean air enclosure for protection of specimens and materials. It also provides protection to the technician from contaminated materials and specimens.

## **Environmental Conditions**

This equipment is designed to be safe under the following conditions:

- Indoor use
- Altitude up to 6562 Ft. (2000m)
- Temperature 41° to 104° (5° to 40°)
- Maximum relative humidity 80% for temperatures up to 88°F (31°C) decreasing linearly to 50% relative humidity at 104° (40°C)
- Main supply voltage fluctuations not to exceed  $\pm 10\%$  of the nominal voltage
- Transient over voltages according to Installation Categories II (Over voltage Categories per IEC 1010)
- Pollution degrees 2 (Normally only non-conductive foreign matter, solid, liquid, or gaseous (ionized gases), that may produce a reduction of dielectric strength or surface resistivity occurs. Occasionally, however, a temporary conductivity caused by condensation must be expected), in accordance with IEC 664

# ***INTRODUCTION***

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## **Component Identification**

General components of the glove box are listed below and identified in Figure 2.

1. **Glove Ports.** Epoxy coated aluminum, 8" ID, spaced 17" apart, sealed to viewing window with one-piece molded neoprene gasket. Supplied with dual O-ring grooves, neoprene gloves, and retaining O-rings.
2. **Neoprene Gloves.** Supplied with the glove box, gloves are .015" thick neoprene, 30" long, one pair, and size 9-3/4. (Note: For replacement gloves, see Replacement Parts on page 18.
3. **Window Frame.** 12-gauge epoxy coated steel, attached with 30 stainless steel, 1/4-20 screws, removable for full access to the interior.
4. **Viewing Window.** 3/8" thick laminated safety glass, mounted at 10° angle and sealed with one-piece molded neoprene gasket. Optional 3/8" thick polycarbonate with abrasion resistant coating available. See page 18.
5. **Left Side Panel.** 20-gauge epoxy coated steel, easily removable for access to glove box and left electrical outlet.
6. **Fluorescent Lamp.** 30 watts provides minimum of 60-foot candles illumination to interior work surface. Supplied with electrical cord and plug, the lamp may be easily removed for bulb replacement and for access to removable viewing window. For lamp replacement see page 16.
7. **Façade.** 18-gauge, epoxy coated steel, conceals filter damper, and blower.
8. **Control Panel.** Contains gauge for glove box pressure and switches for fluorescent lamp, interior receptacles, blower power, and blower speed control.
9. **115 Volt, 3-Wire Receptacles (Models 5065000 and 5065500).** One right and one left interior receptacle, 9 amps combined rating. Exterior switches provide separate control of each receptacle.  
**230 Volt, 3-Wire Receptacles (Models 5065002 and 5065502).** One right and one left interior receptacle, 8 amps combined rating. Exterior switches provide separate control of each receptacle.
10. **Transfer Chamber Door.** Counterweighted with quick operating latch.

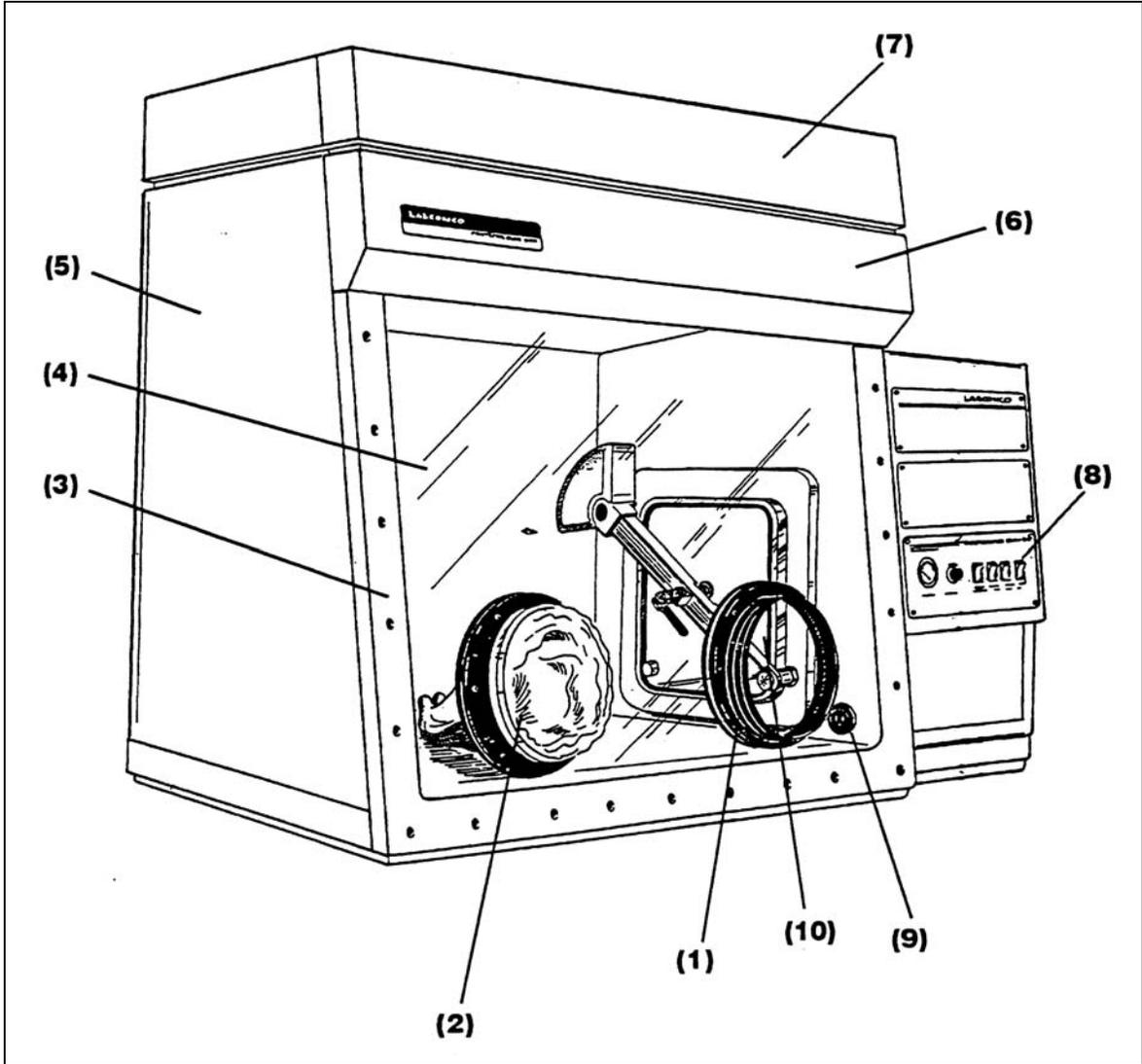


Figure 2

# INTRODUCTION

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Airflow system components are listed below and are identified in Figure 3.

1. **Inlet Pre-Filter.** Polyester fiber mat filter captures larger room air particles to extend life of inlet HEPA filter.
2. **Air Damper.** Adjust fully open (parallel with air flow) for maximum airflow volume. Adjust toward closed position to increase glove box negative pressure differential (if desired) when operating blower at low speed.
3. **Inlet HEPA Filter.** Rated 99.99% efficient on 0.3-micron particulates. **NOTE:** Inlet and exhaust filters are identical. Airflow direction is indicated on the filter.
4. **Exhaust HEPA Filter.** Rated 99.99% efficient on 0.3-micron particulates.
5. **NOTE:** Unit is normally supplied with a removable tube at this location which can easily be replaced with either of the two following optional filters:  
  
**Charcoal Filter** (Cat. No. 5065300) contains 4 lbs. of Barnebey and Sutcliffe type 787 impregnated carbon (for removal of gaseous radioisotopes).  
  
**Additional Exhaust HEPA Filter Kit** (Cat. No. 5065200)

6. **Blower.** Adjustable speed (control is located on front control panel) provides airflow between 10 and 50 CFM. The discharge opening measures 3 inch square.

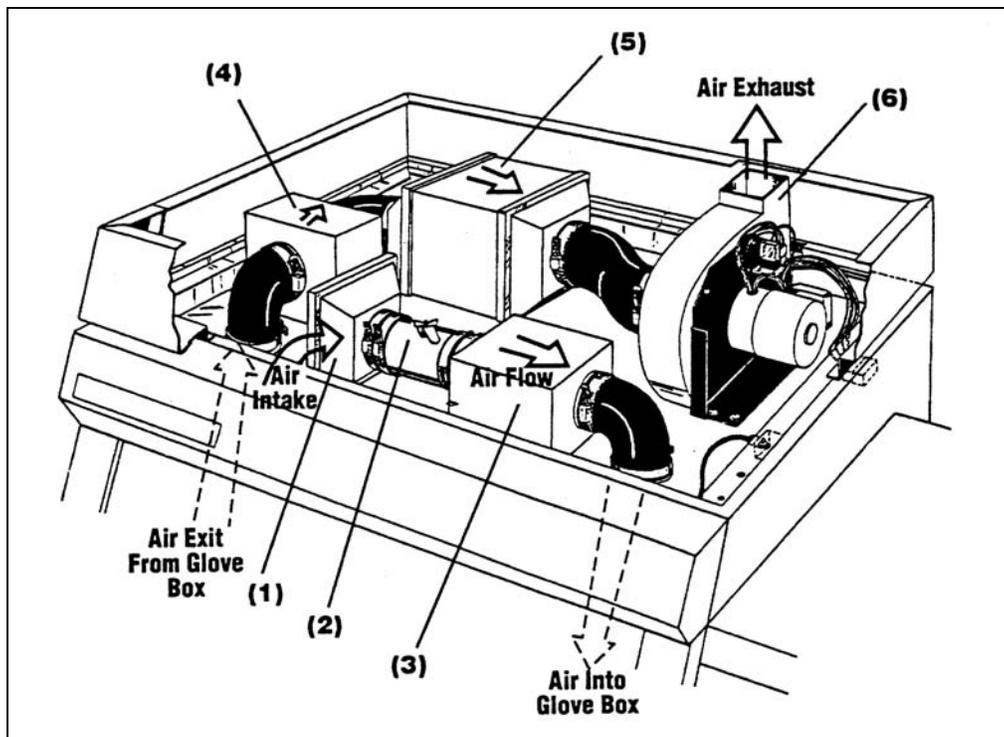


Figure 3

## Location

Glove box should be placed on a stable, level base stand near an appropriate electrical receptacle. The base stand must be capable of supporting 500 lbs minimum, and the height should provide a comfortable working position through glove ports (normally 35" to 37" height for standing position).

## Connections, Exhaust

**NOTE:** It is the user's responsibility to determine if the exhaust should be vented to outside the building. If it is ducted to the outside, duct restrictions should not exceed 0.5 inches water gauge static pressure at 50 CFM.

## Glove Attachment

With glove thumbs up and right/left orientation, secure the gloves in place on the glove ports by stretching the beaded glove cuff into the groove nearest the window. Install the 8" diameter O-ring onto the outer groove over the glove surface.



Figure 4

## Glove Replacement

If it becomes necessary to change gloves without disturbing the integrity of the glove box environment, follow these steps:

1. Remove the O-ring from the old glove.
2. Roll the old glove cuff bead from the inner groove nearest the window to the outside groove.
3. Insert the new glove through the old glove until the fingers of both are inside the glove box.
4. Stretch the new glove's beaded cuff over the old glove cuff and into the groove nearest the window.
5. To remove the old glove, grasp the new glove surface and manipulate the old glove bead free from the outer groove.
6. With the other glove hand inside the box, pull the old glove into the glove box.
7. Install the O-ring over the new glove onto the outer groove.

## ***SAFETY PRECAUTIONS***

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- This product is neither designed nor intended to be an explosion-proof enclosure. It is the responsibility of the user to determine the lower explosive limits and flammability of the enclosed gases and other matter. The user is also responsible for using proper precautions to prevent equipment damage or injury due to explosion or combustion.
- It is the responsibility of the user to determine the suitability of this product for the intended applications.

### **Start Up**

**NOTE:** All internal wiring is protected by two manual reset circuit breakers located on the rear panel.

- Confirm that the glove box electrical power cord is plugged into an appropriate electrical power source.
- Switch on the fluorescent lamp and check to make sure bulb is working.
- Connect a test light to each interior receptacle and check for proper operation by turning on the left and right outlet switches located on the control panel.
- Turn on the blower switch and check blower operation.

**NOTE:** This should be done with gloves installed so that glove box negative pressure will be induced (observed by gauge on control panel). If the blower speed control is adjusted in the low range, you will notice that the blower starts at a higher speed, then slows down.

- If unit is vented to the outside, confirm that ducting is sealed properly for positive pressure operation.

### **Blower Operation**

The blower is operated on and off by a switch located on the control panel. The speed of the blower is regulated from 10% to 100% of maximum speed. Normal operation will be in the 30% to 50% area, depending on filter loading conditions and desired negative pressure within the enclosure. It may be necessary, during continued operation to increase the blower speed to compensate for possible restrictions to air flow caused by a dirty filter. The static pressure setting should be within .25 to .5 H<sub>2</sub>O. Pressure settings higher than this may cause excessive air flow, and are disruptive to operations within the enclosure.

## ***ROUTINE MAINTENANCE***

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### **Estimation of Filter Condition**

The negative pressure inside the box will give a good indication of filter and system condition. Set blower speed dial to the speed that gives the proper negative pressure conditions inside the box. Record both the blower speed dial setting and the pressure reading on the gauge. If box pressure begins to drop due to filter loading, increase the blower speed. To check filters, reduce the blower speed dial setting to the setting recorded when the filters were clean. Read the differential pressure gauge. When the gauge reading is one-half of the initial reading, replace filters.

### **Filter Replacement**

When filters become contaminated or after a predetermined length of time in use, the filter should be replaced. Only experienced personnel, competent in the procedure of filter replacement should perform this procedure.

### **Suggested Plan for Decontamination**

Activities such as filter changing, service work, moving the cabinet, or gross spillage generally require a gas decontamination procedure.

#### **ONLY EXPERIENCED PERSONNEL COMPETENT IN THIS PROCEDURE SHOULD BE USED.**

LABCONCO strongly recommends reference to the *Laboratory Safety Monograph* (a supplement to the *NIH Guidelines for Recombinant DNA Research*), published by the U.S. Department of Health, Education and Welfare, January 1979.

Reference may also be made to the *Formaldehyde Decontamination* booklet available from the U.S. Department of Health, Education and Welfare, Public Health Service, National Institute of Health, National Cancer Institute.

For decontamination procedures with formaldehyde, refer to the following information.

1. *NCI Safety Standards for Research Involving Chemical Carcinogens*. Publication No. (NIH) 76-900, 1975.
2. *Carcinogen Safety Monographs*, NCI Office of Research Safety.
3. "Potential Hazard of Tissue Culture Assays Arising from Carcinogenic Compounds Incompletely Removed by Washing" E. B. Sansone, J. A. Poiley, R. J. Pienta and W. B. Leberz, III, Cancer Research 36.2455 – 1976.
4. "Recommended Decontamination Procedures for Aflatoxin", L. Stoloff and W. Trager. Journal of the Association of Official Agricultural Chemists, 48.681 – 1965.

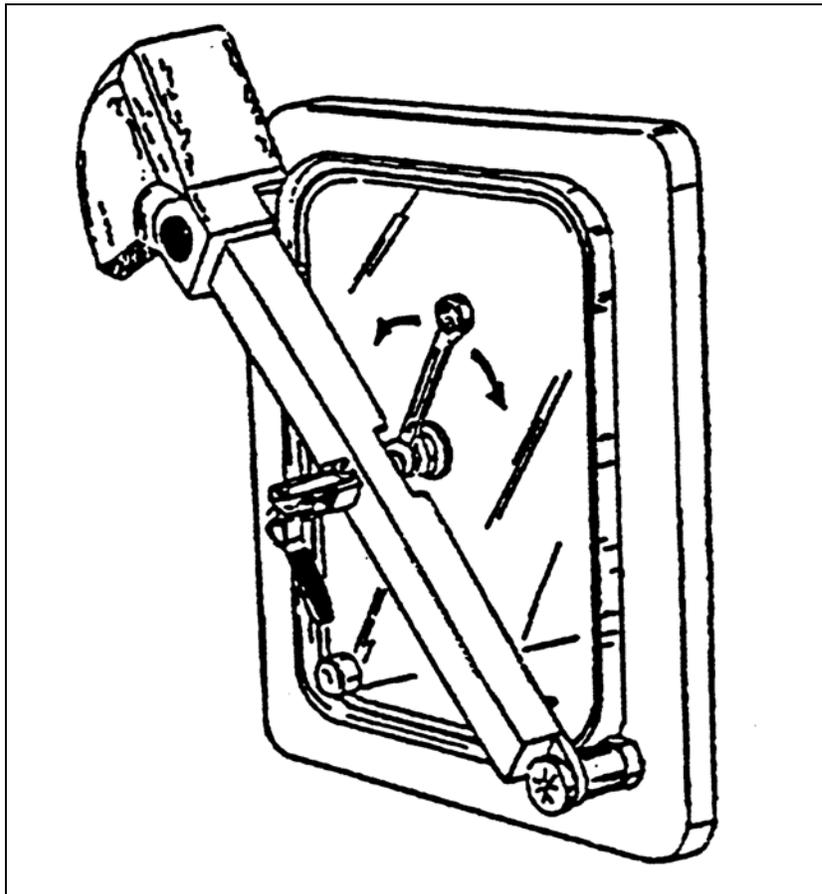
### **Gloves**

At least every three months (more often if subjected to heavy use), inspect the gloves for signs of damage or wear. For replacement, refer to page 11.

### **Transfer Chamber Inner and Outer Door**

Periodically check the closing tension of the door latches. Closing the latch handle should require some firm force, indicating compression of the door seals. Seals, compression, and latching force can be adjusted as follows:

1. Close and latch the door.
2. Using a 1/2" open-end wrench, turn the door adjustment screw (located between the door and the latch bar) clockwise to increase seal compression and latching force. Turn screw counterclockwise to decrease compression. Refer to figure 5.



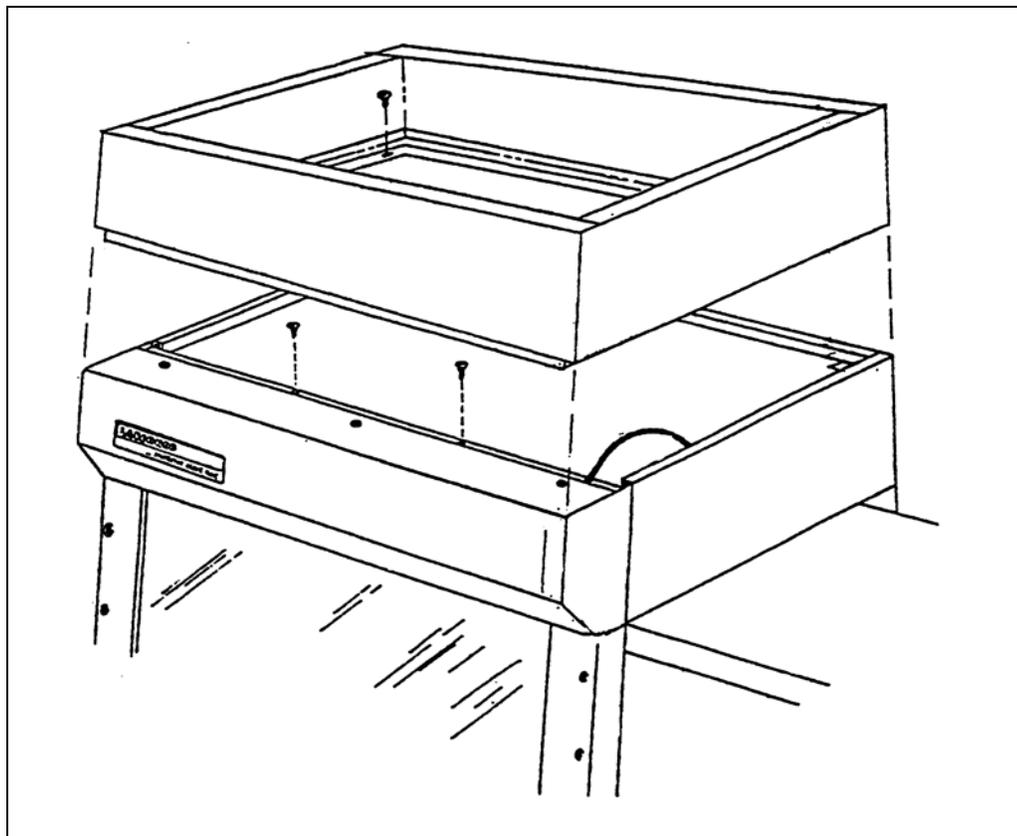
**Figure 5**

## ***ROUTINE MAINTENANCE***

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### **Fluorescent Lamp Replacement**

1. Turn the light switch off and unplug the lamp power cord from the receptacle located on the outside top of the cabinet.
2. From the top of the lamp housing, remove the two Phillips screws attaching the lamp assembly to the top edge of the window frame.
3. Remove the lamp assembly from the unit.
4. The lamp tube can then be easily removed and replaced. Replacement lamp part #12779 (fluorescent lamp) #F30T12/CW/RS may be purchased from most local lighting supply stores.
5. Re-install the lamp assembly and attach with the two Phillips screws. Plug in the power cord and switch on the lamp. Refer to figure 6.



**Figure 6**

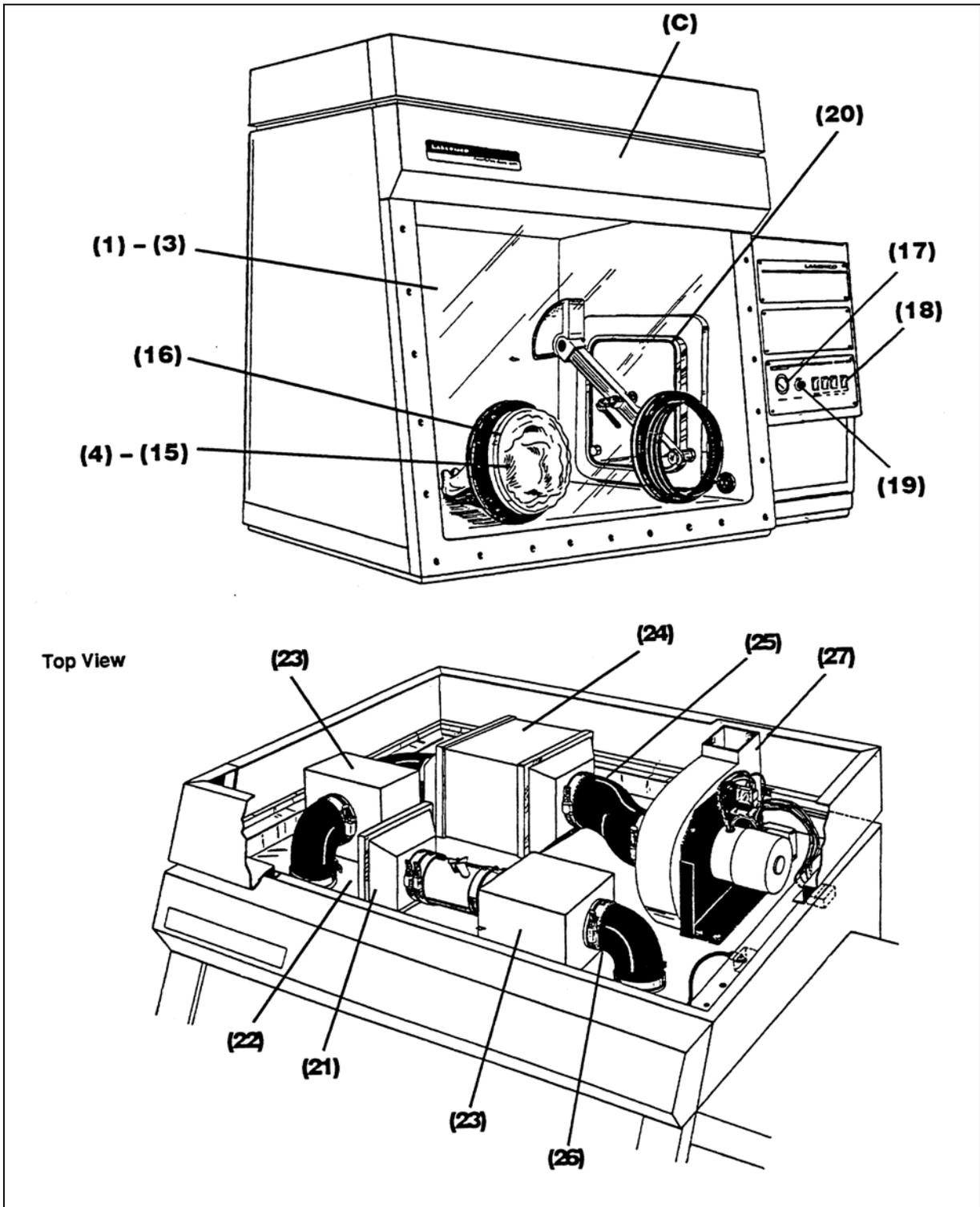


Figure 7

## ***REPLACEMENT PARTS***

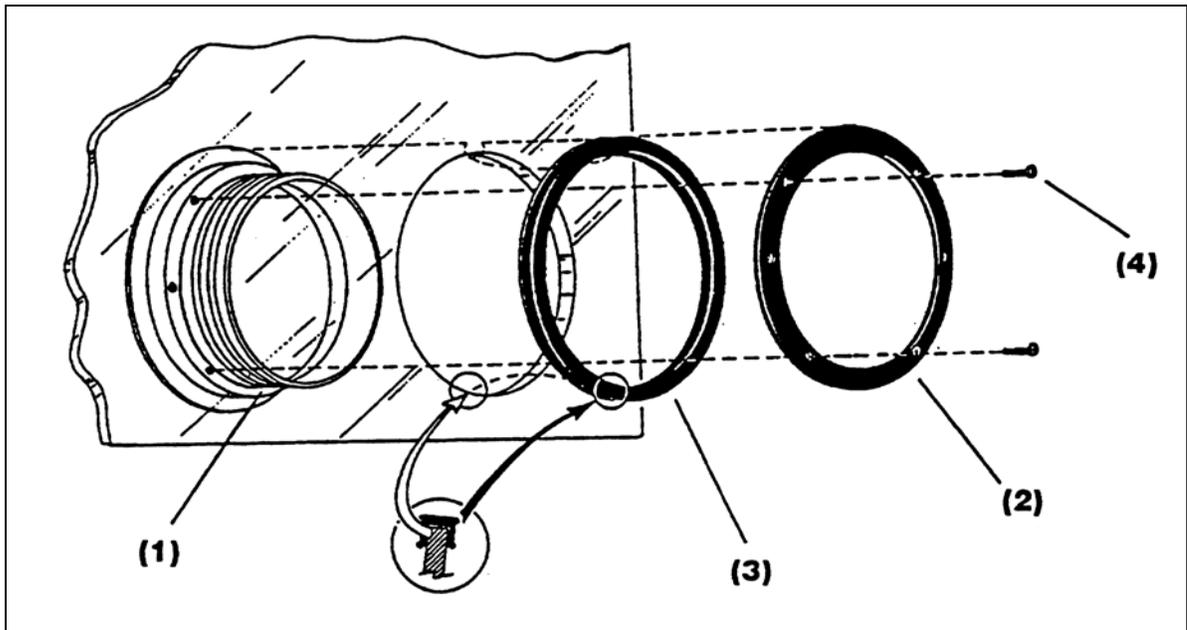
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<b><u>Ref. No.</u></b>	<b><u>Catalog No.</u></b>	<b><u>Description</u></b>
1	5066600	Glass Viewing Window
2	5066700	Polycarbonate Viewing Window (Optional)
3	5067200	Viewing Window Gasket (NOT SHOWN) – For Model 5065000
3A	5098400	Viewing Window Gasket (NOT SHOWN) – For Stainless Steel Model 5065500
4	5005500	Glove Kit 8-1/2 Size Neoprene Gloves (1 Pr.) Two O-Rings
5	1640500	8-1/2 Size Neoprene Gloves (1 Pr.)
6	5005501	Kit: 8-1/2 size Butyl Gloves (1 Pr.) 2 O-Rings
7	1640501	8-1/2 Size Butyl Gloves (1 Pr.)
8	5005502	Kit: 8-1/2 Size Hypalon Gloves (1 Pr.) Two O-Rings
9	1640502	8-1/2 Size Hypalon Gloves (1 Pr.)
10	5005600	Kit: 9-3/4 Neoprene Gloves (1 Pr.) Two O-Rings
11	1640600	9-3/4 Size Neoprene Gloves (1 Pr.)
12	5005601	Kit: 9-3/4 Size Butyl Gloves (1 Pr.) Two O-Rings
13	1640601	9-3/4 Size Butyl Gloves (1 Pr.)
14	5005602	Kit: 9-3/4 Size Hypalon Gloves (1 Pr.) Two O-Rings
15	1640602	9-3/4 Size Hypalon Gloves (1 Pr.)
16	1640000	O-Rings (1 Pr.) for Gloves
17	1952500	Pressure Differential Gauge
18	1329700	Switch, 115V
18A	1301500	Switch, 230V
19	5092600	Blower Speed Controller
20	5064200	Transfer Chamber Door Gasket (1 inner, 1 outer)
20A	5098300	Transfer Chamber Door Gasket, (1 inner, 1 outer) Stainless Steel
21	1928800	Housing Filter
22	1928900	Pre-Filter
23	5065100	Filter, HEPA
24	5065300	Charcoal Filter (Optional)
25	1490700	Tube, Offset
26	1490600	Elbow – 90°
27	5094600	Motor – Blower Assembly
	5109700	Motor Assembly
	1327900	Relay
	5094400	Circuit Board Assembly
28	5104500	Transformer Assembly (NOT SHOWN) 230V models only

- (A) Glove Port Components (Detailed on Page 19)
- (B) Sealed Receptacle Components (Detailed on Page 20)
- (C) Fluorescent Lamp Assembly (Detailed on Page 21)
- (D) Inner Door Assembly (Detailed on Page 22)
- (E) Outer Door Assembly (Detailed on Page 23)

**A. Glove Ports**

<u>Ref. No.</u>	<u>Catalog No.</u>	<u>Description</u>
1	5074201	Glove Port
2	5074301	Glove Port Mounting Ring
3	5066800	Glove Port Gasket
4	1889310	Glove Port Mounting Screw



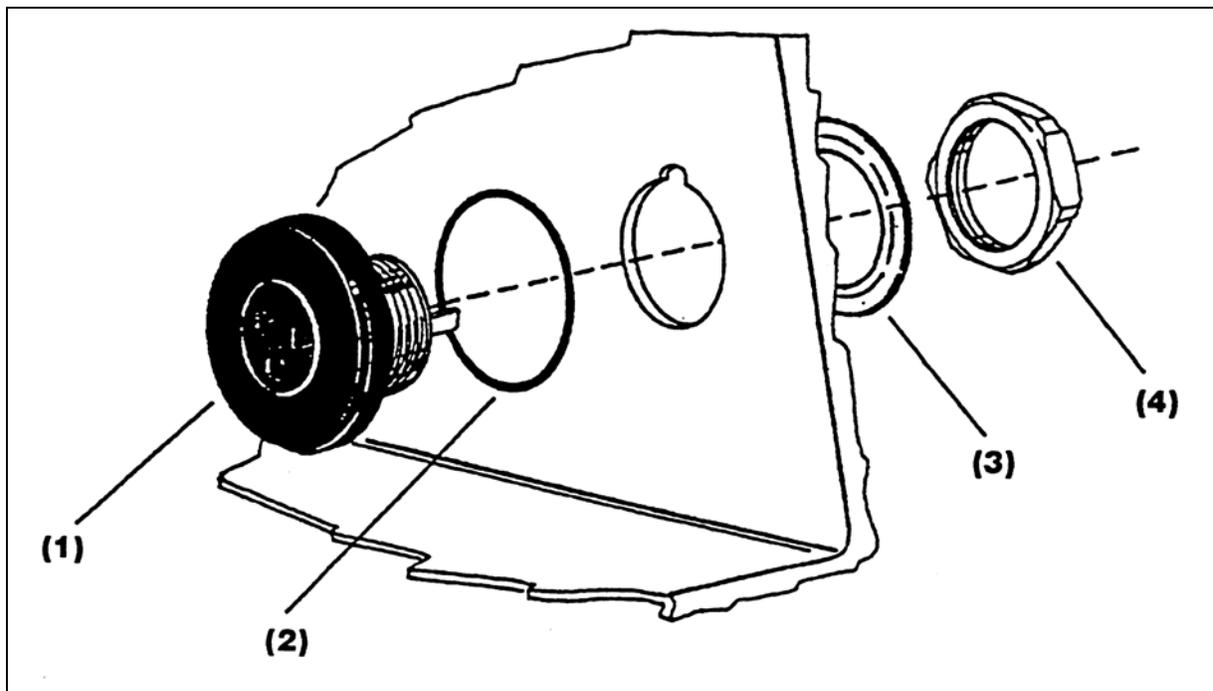
**Figure 8**

# ***REPLACEMENT PARTS***

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## **B. Sealed Receptacle Assembly**

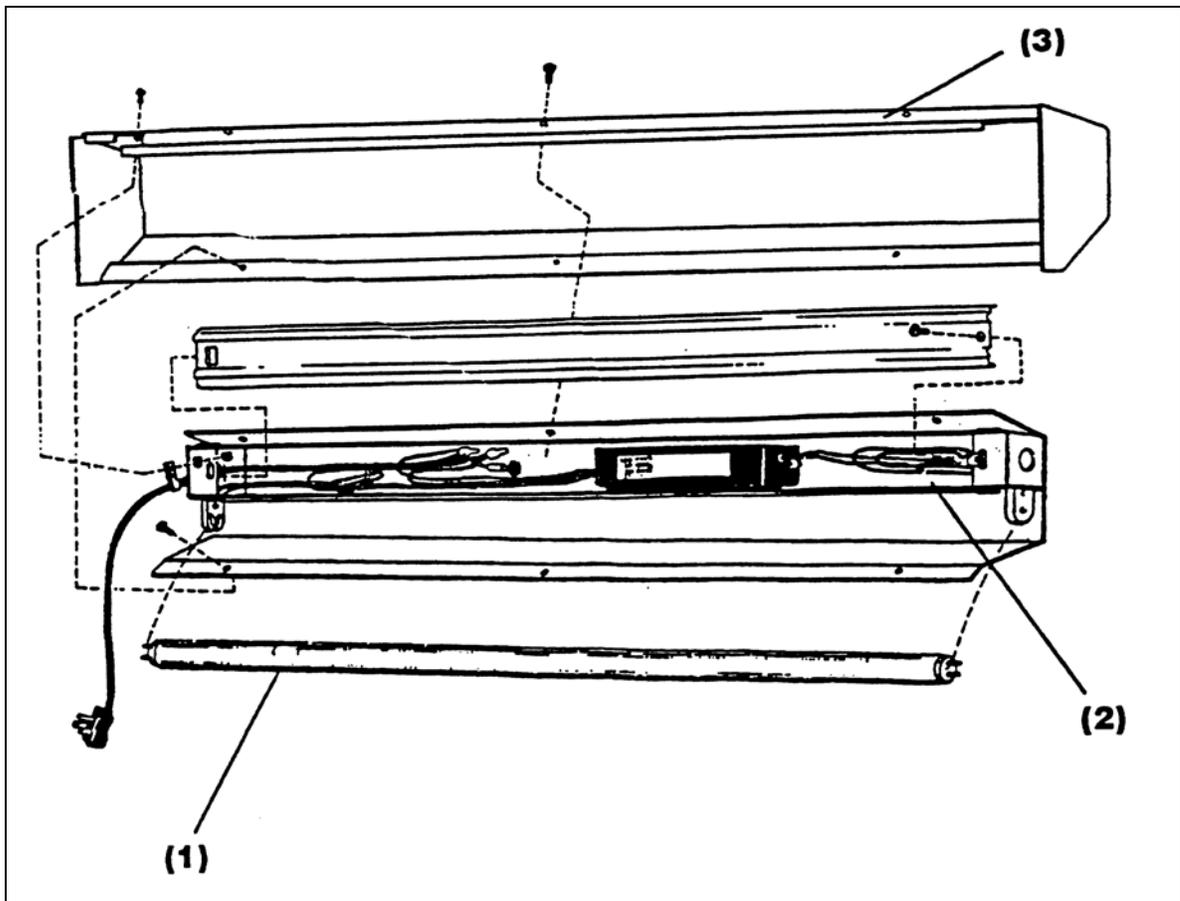
<u>Ref. No.</u>	<u>Catalog No.</u>	<u>Description</u>
1	5075600	Sealed Receptacle, 115V
1A	5102100	Sealed Receptacle, 230V
2	1645702	Receptacle O-Ring
3	1349100	Cupped Washer
4	1349200	Locknut



**Figure 9**

**C. Fluorescent Lamp Assembly (Complete with Bulb), No. 5072600**

<u>Ref. No.</u>	<u>Catalog No.</u>	<u>Description</u>
1	1277900	Lamp Bulb #F30T12/CW/RS (also available locally)
2	1279200	Lamp Fixture Assembly
3	5072901	Lamp Housing



**Figure 11**

# REPLACEMENT PARTS

## D. Inner Door Assembly, No. 5067700 (Used on 5065000) No. 5098500 (Used on 5065500)

<u>Ref. No.</u>	<u>Catalog No.</u> <u>(Acrylic 5067700)</u>	<u>Catalog No.</u> <u>(Stainless Steel 5098500)</u>	<u>Description</u>
1	5102800	5097900	Inner Door Assembly
2	5064500		Door Fitting
3	1645701		Door O-Ring
4	1927000		Nut, Stainless Steel 3/4-16
5	5064600	5064600	Door Adjusting Screw
6	5068600	5068600	Door Clamp
7	5085201	5085201	Inside Latch Bar Assembly
8	5074401	5074401	Inside Counterweight
9		5098100	Grab Knob

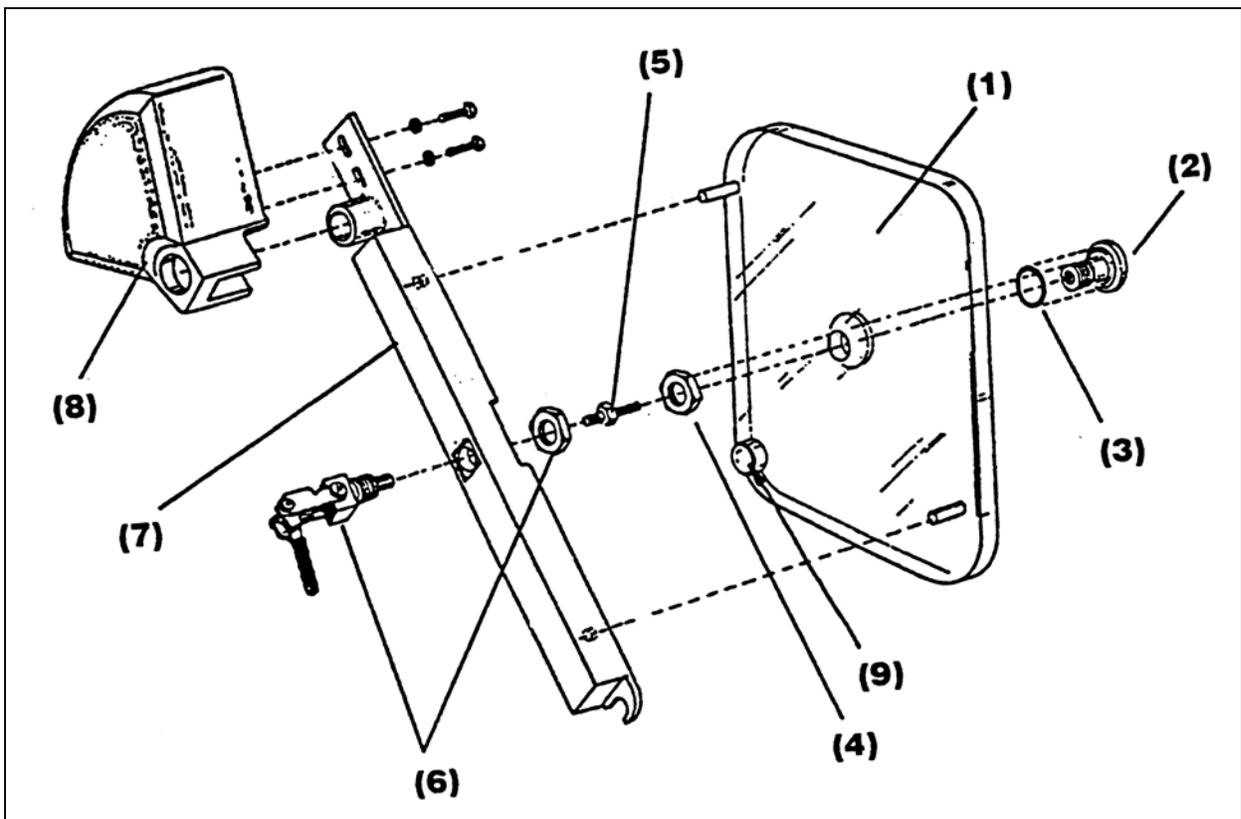


Figure 11

# REPLACEMENT PARTS

## E. Outer Door Assembly, No. 5068400 (Used on 5065000) No. 5098600 (Used on 5065500)

<u>Ref. No.</u>	<u>Catalog No.</u> <u>(Acrylic 5068400)</u>	<u>Catalog No.</u> <u>(Stainless Steel 5098600)</u>	<u>Description</u>
1	5102900	5097500	Outer Door Assembly
2	5064500		Door Fitting
3	1645701		Door O-Ring
4	1927000		Nut, Stainless Steel 3/4-16
5	5064600	5064600	Door Adjusting Screw
6	5068600	5068600	Door Clamp
7	5085301	5085301	Outside Latch Bar Assembly
8	5074501	5074501	Outside Counterweight

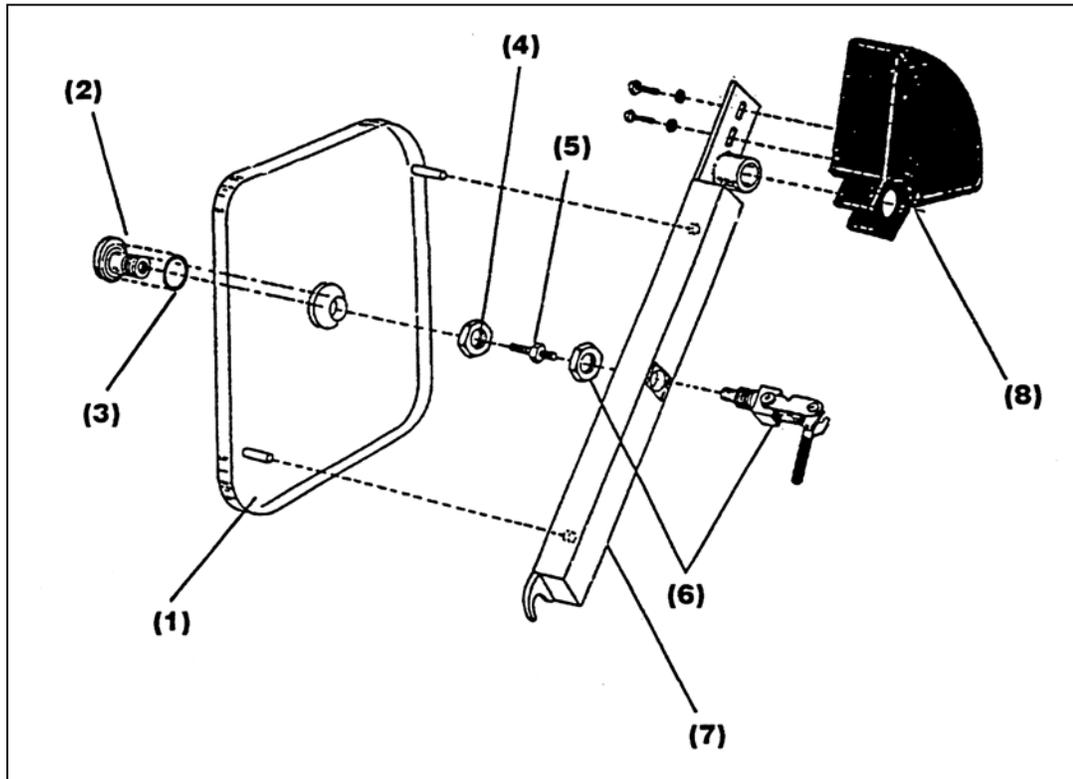
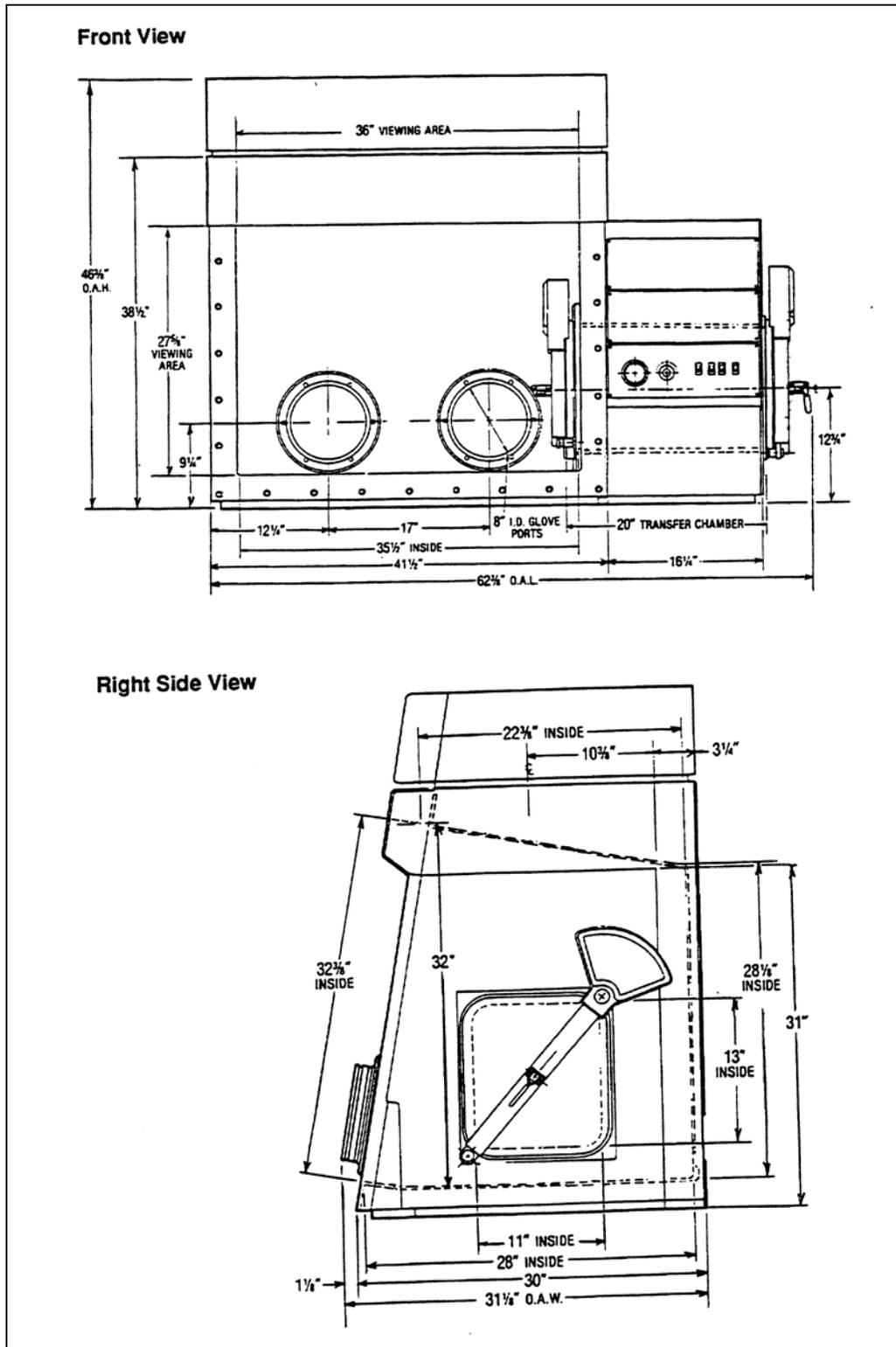


Figure 12

# DIMENSIONAL DATA



## ***ELECTRICAL SPECIFICATIONS***

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Electrical Specifications for both the 5065000 and 5065500 models are as follows:

115 Volts, 60 Hz, 15 Amps

One 30-Watt Fluorescent Lamp

Two 115 Volt, combined 9 Amp electrical outlets (front, left and right interior of cabinet)

One blower motor rated 1.8 FLA, 115V

Electrical Specifications for both the 5065002 and 5065502 models are as follows:

230 Volts, 50 Hz, 10 Amps

One 30-Watt Fluorescent Lamp

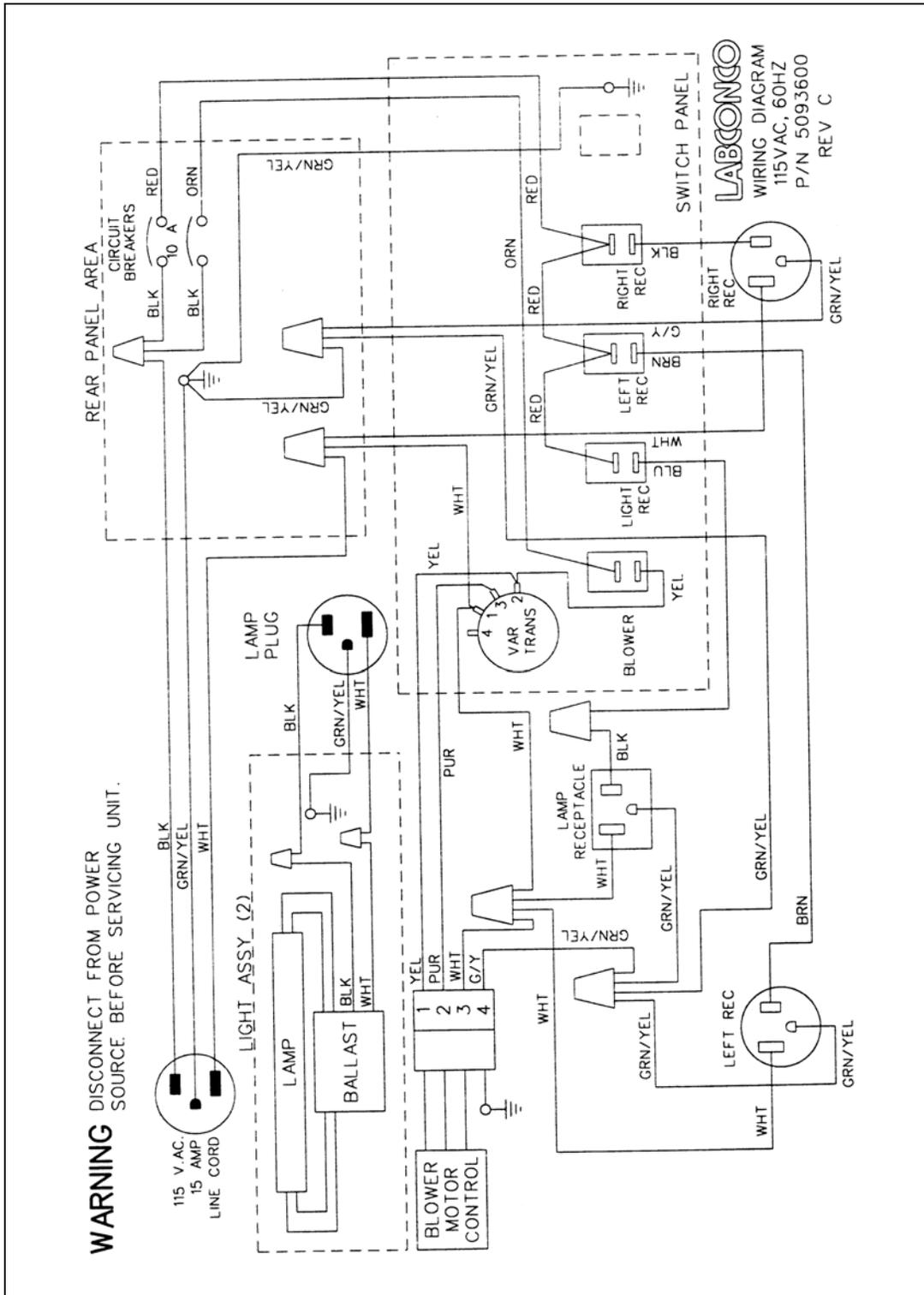
Two 230 Volt, combined 8 Amp electrical outlets (front, left and right interior of cabinet)

One blower motor rated 1.8 FLA, 115V

One transformer 230/115V

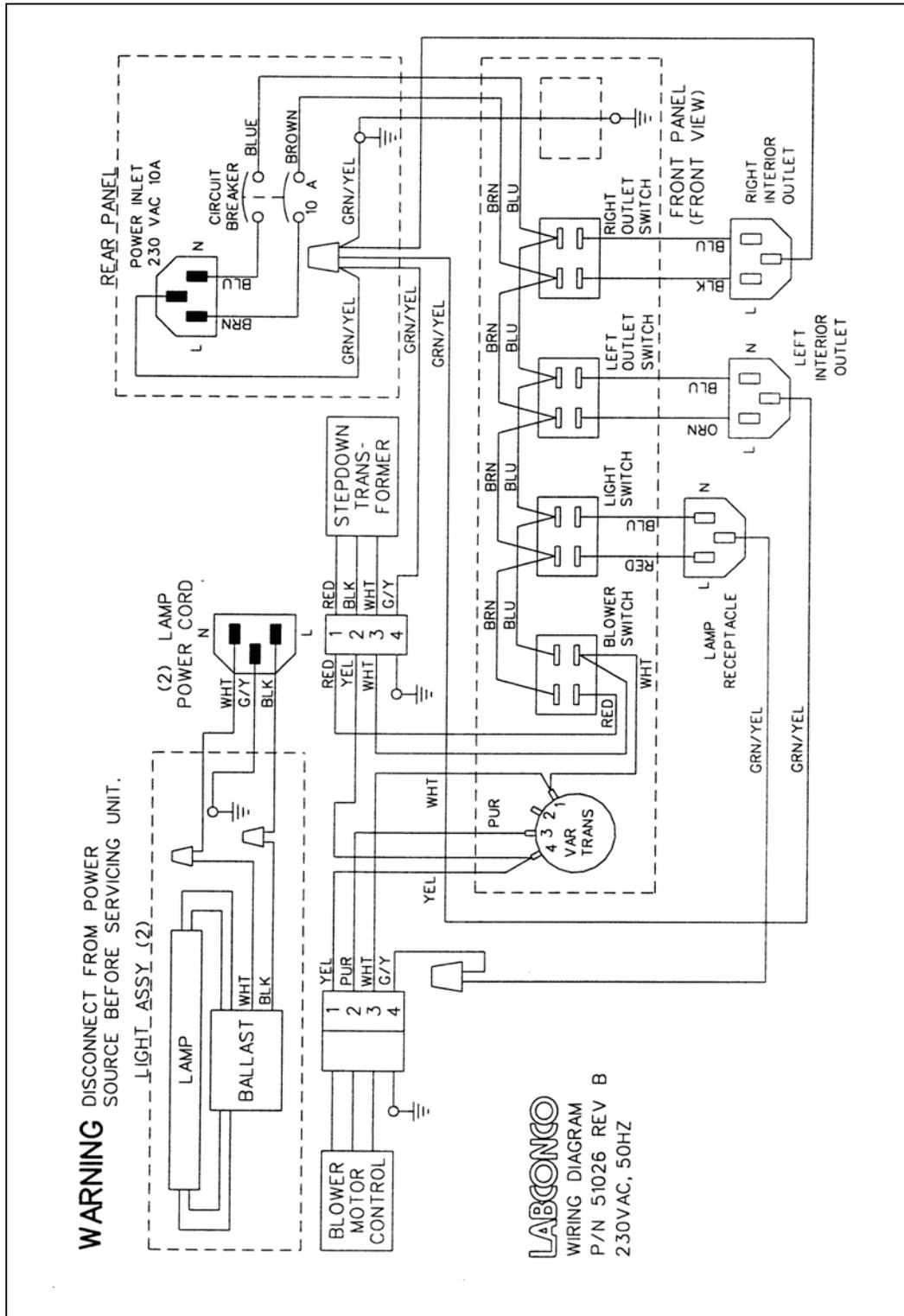
# WIRING DIAGRAMS

Model 5065000 and 5065500 – 115 VAC, 60 Hz



# WIRING DIAGRAM

Models 5065002 and 5065502 – 230 VAC, 50 Hz



## ***ACCESSORIES***

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<b>Accessory Part #</b>	<b>Description</b>
5061600	<b>Interior Storage Shelves</b> Three stainless steel storage shelves are attached to epoxy coated stainless steel upright supports. Shelves are adjustable height, measuring 6" D x 30" W x 21-1/2" H. Components may be passed through the transfer chamber and assembled within the glove box enclosure. Installation by customer.
5062000	<b>Glove Box Mobile Base Stand</b> Welded steel construction, epoxy coated with black phenolic laminate top surface. 1-1/8" thick x 30" D x 60" W, height adjustable from 30" - 37". Lower shelf provides convenient storage space. Accessory includes 5" swivel casters with locking brakes.
5062001	<b>Glove Box Stand</b> Same as above except furnished with adjustable leveling feet instead of casters.
5060400	<b>Interior Glove Port Cover</b> 12-gauge stainless steel with molded rubber self-centering gasket and spring loaded latches with adjustable closure knob. Use for internal sealing of glove port in event of worn or damaged gloves.
5060500	<b>Exterior Glove Port Cover</b> 12-gauge stainless steel with molded neoprene self-centering gasket. Adjustable tension knob with latching bar attaches to port mounting ring screw adaptor.
5065300	<b>Charcoal Filter</b> Filter installs between exhaust HEPA filter and blower. Contains 4 lbs. of Barnebey and Stuecliffe type 787 activated carbon impregnated for removal of gaseous radioisotopes.
5065200	<b>Additional Exhaust HEPA Filter Kit</b> Filter installs between existing exhaust HEPA and blower. Rated 99.99% efficient on 0.3 micron particulates.

We are committed to providing our customers with quality equipment and service after the sale. Part of this objective involves keeping you informed of changes and new product additions. We, therefore, request that you take a moment to fill out the product registration card so we may know your location as well as some of the reasons that prompted you to purchase our product.

Labconco provides a warranty on all parts and factory workmanship. The warranty includes areas of defective material and workmanship, provided such defect results from normal and proper use of the equipment.

The warranty for all Labconco products will expire one year from date of installation or two years from date of shipment from Labconco, whichever is sooner, except the following:

- Purifier® Delta® Series Biological Safety Cabinets carry a three-year warranty from date of installation or four years from date of shipment from Labconco, whichever is sooner.
- Carts carry a lifetime warranty.
- Glassware is not warranted from breakage when dropped or mishandled.

This limited warranty covers parts and labor, but not transportation and insurance charges. In the event of a warranty claim, contact Labconco Corporation or the dealer who sold you the product. If the cause is determined to be a manufacturing fault, the dealer or Labconco Corporation will repair or replace all defective parts to restore the unit to operation. Under no circumstances shall Labconco Corporation be liable for indirect, consequential, or special damages of any kind. This statement may be altered by a specific published amendment. No individual has authorization to alter the provisions of this warranty policy or its amendments. Lamps and filters are not covered by this warranty. Damage due to corrosion or accidental breakage is not covered.

**WARNING:** The disposal and/or emission of substances used in connection with this equipment may be governed by various federal, state or local regulations. All users of this equipment are urged to become familiar with any regulations that apply in the user's area concerning the dumping of waste materials in or upon water, land or air and to comply with such regulations.

## ***SHIPPING CLAIMS***

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If a shipment is received in visibly damaged condition, be certain to make a notation on the delivering carrier's receipt and have their agent confirm the damage on your receipt. Otherwise, the damage claim may be refused.

If concealed damage or pilferage is discovered, notify the carrier immediately and retain the entire shipment intact for inspection. Interstate Commerce Commission rules require that the claim be filed with the carrier within 15 days after delivery.

**NOTE: Do not return goods.** Goods returned without prior authorization will not be accepted. Labconco Corporation and its dealers are not responsible for shipping damage. Claims must be filed directly with the freight carrier by the recipient. If authorization has been received to return this product, by accepting this approval, the user assumes all responsibility and liability for biological and chemical decontamination and cleansing. Labconco reserves the right to refuse delivery of any products, which do not appear to have been properly cleaned and/or decontaminated prior to return.

## ***CONTACTING LABCONCO***

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If you have any questions that are not addressed in this manual, or if you need technical assistance, please contact Labconco's Sales Information Department at 1-800-821-5525, and Service Information at 1-800-522-7658 or 1-816-333-8811, between the hours of 7:00 a.m. and 6:00 p.m. Central Standard Time.

Labconco's mailing address is:

Labconco Corporation  
8811 Prospect Avenue  
Kansas City, Missouri 64132-2696

Fax # 816-363-0130

Visit Labconco through the Internet at:

<http://www.labconco.com>

or

email: [labconco@labconco.com](mailto:labconco@labconco.com)

## DECLARATION OF CONFORMITY

Application Council Directive(s): 73/23/EEC, 89/336/EEC

Standard(s) to which conformity is declared: EN61010, EN55022, EN50082-1

Manufacturer's Name: Labconco Corporation

Manufacturer's Address: 8811 Prospect Avenue  
Kansas City, MO 64132 USA

Importer's Name: See Shipping/Customs Documents\*

Importer's Address: See Shipping/Customs Documents for your equipment

Type of Equipment: Laboratory Equipment – Glovebox Safety Enclosure, Multi-Hazard  
Gloveboxes: Model No. 50650-02 and 50655-02, 50655-22 Double  
Wide.

Controlled Atmosphere: Models 50600-02, 50601-02 and -22, 50700-02 and -22, 50701-02, 50800-02, and  
50801-02 and -22. Also includes controlled atmosphere models with -9147 special, with Regenerative  
Drying Tray.

This equipment is sensitive to electrostatic discharge when an 8K Volt air spark is applied to the front panel  
of the unit according to the Electro-Static Discharge Tests of IEC 801-2. If this occurs, normal operation of  
the unit can be restored by resetting the unit using the power switch. To prevent this malfunction,  
personnel operating this equipment should use a wrist strap that is properly bonded to earth ground.

Serial No.: Various – See Individual Declaration

Year of Manufacture: 1999 and subsequent

I, the undersigned, hereby declare that the equipment specified above conforms to the  
above Directive(s) and Standard(s).

See individual Declaration of Conformity which  
will be signed by the importer for your country.

Place:

\_\_\_\_\_  
(Signature)

Date:

\_\_\_\_\_  
(Full Name)

\_\_\_\_\_  
(Position)

\*An individual version of this declaration is included with your shipping/customs  
documentation.