

Protector Workstation

INSTRUCTION MANUAL

MODEL NO'S

69410-01, 69410-02

69410-03, 69410-05

Product designs are subject to change without notice

© 1993 Labconco Corporation

Form 69492 REV. F / ECO 7319

Printed in U.S.A.

TABLE OF CONTENTS

Introduction

Components Shipped	3
General Description	4
Performance	4
Component Identification	
Workstation Without Integral Blower	5
Workstation With Integral Blower	6

Installation

Installation Factors	7
Optional Equipment	8
Exhaust Connections- Workstations w/o Integral Blower	8-9
Rear Plenum Connection	10
Side Plenum Connection	10
Top Plenum Connection	11
Remote Blower Installation	11-12
Airflow Adjustment - Workstation - w/o Integral Blower	12-13
Exhaust Connections - Workstation w/Integral Blower	14
Airflow Adjustment - Workstations w/Integral Blower	14
Charcoal Filter Installation	15-16
Sealing The Workstation	17

Normal Operation	18
-------------------------	----

Routine Maintenance	19
----------------------------	----

Replacement Parts

Workstation w/o Integral Blower - Drawing	20
Workstation w/o Integral Blower - Parts List	21
Workstation w/Integral Blower - Drawing	22
Workstation w/Integral Blower - Parts List	23
Integral Blower Assembly Drawing	24
Integral Blower Assembly - Parts List	25

TABLE OF CONTENTS

Specification Drawing

Workstation w/o Integral Blower

26

Workstation w/Integral Blower

27

Wiring Diagrams

28-29

Warranty

30

Shipping Claims

31

Contacting Labconco

32

Components Shipped

Carefully check the contents of the carton for damage that might have occurred in transit. Do not discard the carton or packaging 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:

Part Number	Description
69410-01	Protector Workstation with Built-In Blower (115 V, 60 Hz)
	or
69410-02	Protector Workstation with Built-In Blower for use with charcoal filters (115 V, 60 Hz)
	or
69410-03	Protector Workstation without Blower
	or
69410-05	Protector Workstation with Built-In Blower for use with charcoal filters (220 V, 50 Hz)
69492	Instruction Manual

INTRODUCTION

General Description

Your Labconco Workstations have been specifically engineered to meet the ventilation requirements of both pathology and histology applications.

The workstation provides a continuous flow of air sufficient to extract contaminants within the work area, away from the air you breathe as you gross section, trim, stain, and coverslip your tissue samples.

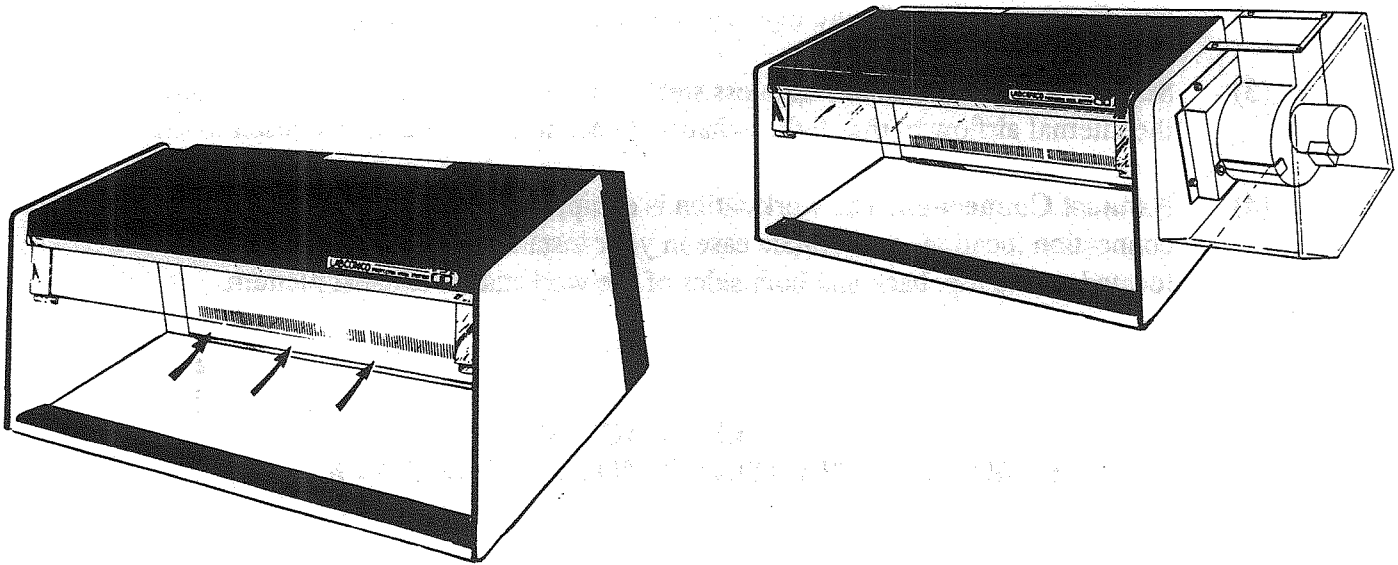


Figure 1

Performance

The Labconco workstation has been designed to allow you, the operator, maximum work area and personnel safety. The non-integral blower workstations can be exhausted from the top, back, or either side, thus minimizing expensive installation costs.

The integral blower workstations can be exhausted from a 6" x 6" duct connection located directly on top of the blower housing assembly. Should your integral blower workstation feature the internal charcoal filter assembly, ducting to the outside of your laboratory will not be required.

Internal stainless steel baffle provides a uniform flow of air through the workstation for each of the different exhaust connections listed for those models not equipped with integral blower. The baffle is adjustable from the front of the unit.

All the workstation models are designed to fit under existing laboratory cabinetry or on top of existing base cabinet structures.

Component Identification

Workstation Without Integral Blower

- (1) **Viewing Panel.** 1/4" tempered safety glass panel, pinned at both ends of the workstation. This hinged viewing panel assembly swings up out of the way for access to the workstation and back down for normal operation.
- (2) **Fluorescent Light Fixture.** The workstation interior is illuminated by a single 30 watt fluorescent light fixture that provides a non-glare working area.
- (3) **Stainless Steel Baffle.** The stainless steel baffle allows you the ability to regulate the internal airflow to match the exhaust connection that you have chosen to use.
- (4) **Exhaust Connection.** The workstation is equipped with four different exhaust connection locations to facilitate ease in your installation. The connections are located on the top, back and both sides of the workstation exhaust plenum.

**LABELED DIAGRAM
WORKSTATION WITHOUT INTEGRAL BLOWER**

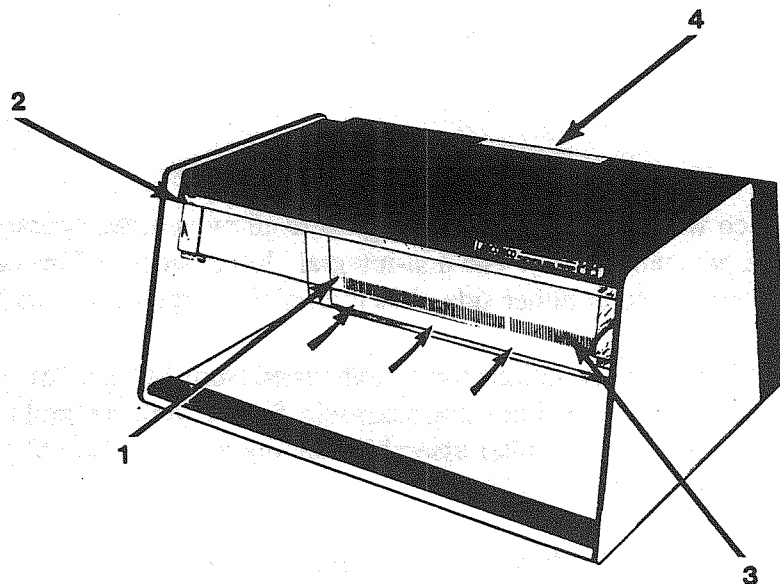


Figure 2

INTRODUCTION

Component Identification Workstation With Integral Blower

- (1) **Viewing Panel.** 1/4" tempered safety glass panel, pinned at both ends of the workstation. This hinged viewing panel assembly swings up out of the way for access to the workstation and back down for normal operation.
- (2) **Fluorescent Light Fixture.** The workstation interior is illuminated by a single 30 watt fluorescent light fixture that provides a non-glare working area.
- (3) **Stainless Steel Baffle.** The stainless steel baffle has been factory adjusted to provide uniform airflow.
- (4) **Exhaust Connection.** The workstation with integral blower, features a 6" x 6" duct connection located directly above the blower housing assembly.
- (5) ***Charcoal Filter.** The internal workstation charcoal filter assembly is comprised of two 1-3/8" thick filters placed back to back, giving you a combined 2-3/4" total bed thickness. These filters are used to adsorb xylene, formaldehyde, and alcohol vapors.

*Filters are sold separately.

**LABELED DIAGRAM
WORKSTATION WITH INTEGRAL BLOWER**

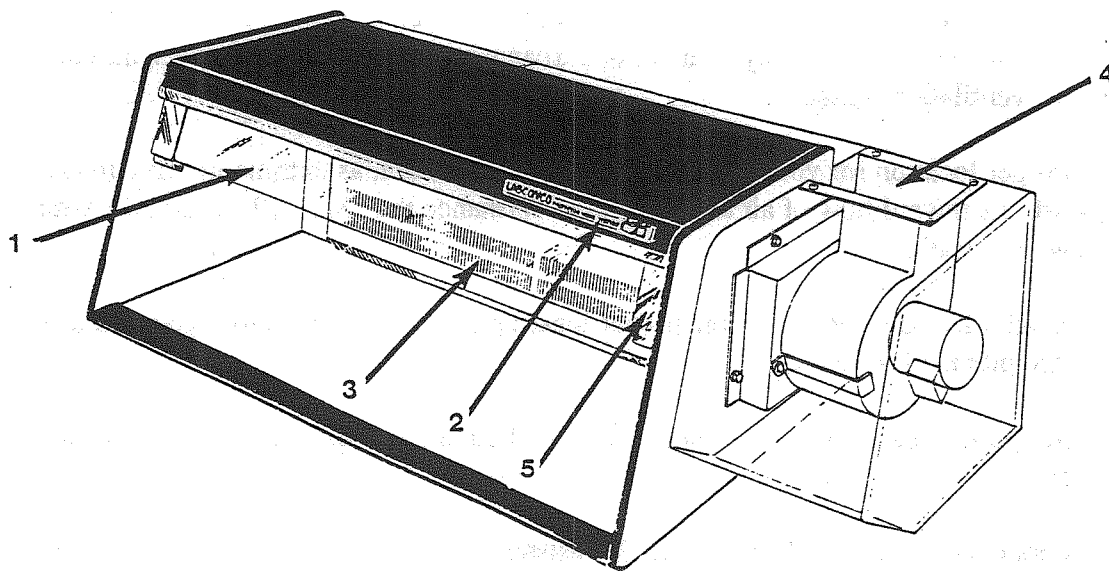


Figure 3

Your laboratory workstation has been shipped to you fully assembled and ready for immediate installation and use.

If you ordered the work surface to go along with your workstation, it also will be shipped individually, packaged and ready for immediate installation.

Inspect your workstation and all accessory pieces of equipment thoroughly prior to installation.

Report any damage that may have occurred in transit, to your authorized laboratory supply dealer, or to Labconco Corporation directly at (800) 821-5525 or (816) 333-8811. Refer to page 31 for shipping claims.

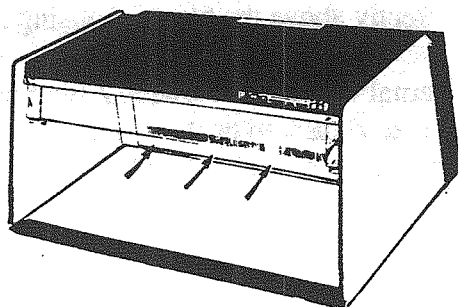


Figure 4

Installation Factors

In positioning your workstation, care should be taken to make sure that it is out of the main traffic pattern, and away from air disturbances such as doors, windows, air conditioning, or ventilation outlets.

Proper location for your workstation is very important, as extraneous air currents can disturb the inward flow of air and overall performance that you will experience with your new workstation.

In addition to determining the proper location for your workstation, you will also need to provide the following:

- (1) Supporting base structure either with or without a chemically resistant work surface.

Labconco does provide a chemically resistant work surface equipped with a sink for use with the workstation, Part Number 69420-00. This work surface is available through your authorized laboratory supply dealer. See description on Page 8.

INSTALLATION

Installation Factors (Con't)

- (2) Electrical service requirement of 115 V., single phase 60 Hz., 15 amp., or 220 V., single phase 50 Hz., 7 amp., depending on the specific model purchased.
- (3) Exhaust ductwork will also be needed to vent your workstation to atmosphere. Exhaust ductwork is not required with workstation 69410-02 or 69410-05 as it is equipped with an integral charcoal filter pack assembly.

Optional Equipment

Work Surface - #69420-00

Corrosion resistant, solid epoxy work surface designed to accept standard cutting boards. The work surface features a 10" x 14" x 6" molded sink, dual controlled goose-neck faucet with vacuum breaker, and a spray nozzle and hose assembly with vacuum breaker.

The work surface is pre-plumbed at the factory and will require the following items for installation:

- . 1-1/2" drain connection for the molded epoxy resin sink.
- . Plumbing supply lines for both hot and cold water to feed both the gooseneck faucet and spray hose assembly.

Exhaust Connections

Workstation Without Integral Blower

Your Labconco workstation without integral blower has been designed with four possible duct connection locations to assist you in your ducting layout.

The duct connections are located at the back, at the top, on each side and directly out the rear plenum of the workstation. (See Figure 5)

Duct connectors are available from Labconco to aid you in ducting your workstation.

Each of these duct connectors is constructed of zinc coated steel with an epoxy coated exterior finish. Both the mounting flanges and screw holes on these duct connectors are designed to fit the workstation without any cutting or drilling in the field.

INSTALLATION

Description on the Labconco duct connectors are as follows:

Item	Labconco P/N	Description	Attachment Point
1	69401	6" dia. collar w/o damper	back
2	69402	6" dia. collar w/damper	back
3	69403	straight duct connector	R. end, L. end, top
4	69404	90° duct connector	R. end, L. end, top

Consult your local laboratory supply dealer for purchase of these necessary items.

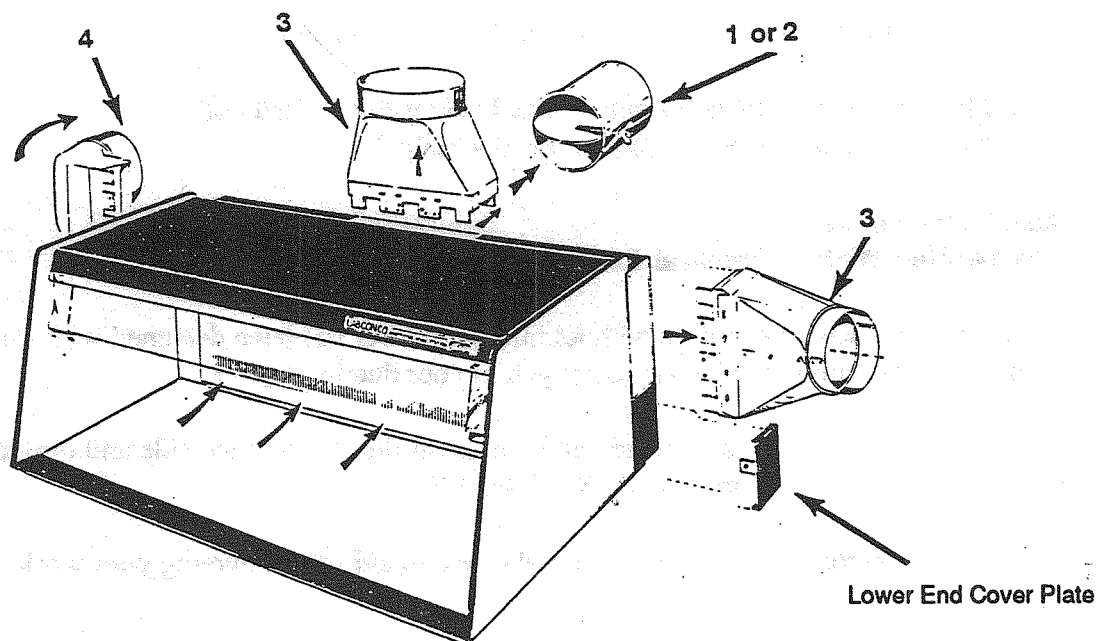


Figure 5

INSTALLATION

The installation of the Labconco duct connectors to your workstation are as follows:

Rear Plenum Connection Connectors #69401-69402

- (1) Remove the existing cover plate from the back of the unit.
- (2) Reinstall the cover plate screws back into their mounting holes and discard the cover plate itself.
- (3) Twist the connector into the 6" dia. hole in the rear plenum. Align the slot in the connector flange with the slot in the rear plenum as you begin to twist them together.
- (4) Once the connector has been seated completely, seal around the connection point with a clear silicone sealant.

Side Plenum Connection Connectors #69403 and 69404

- (1) Remove the desired end cover plate, and save the screws for usage later.

NOTE: Screws attaching the front end of the side cover plates are accessible from inside the workstation.
- (2) Insert the connector into the mounting opening with the mounting tabs toward the front of the workstation.
- (3) Fasten the front tabs of the connector with two #8 x 1/2" sheet metal screws. These screws are installed from inside the workstation.
- (4) Fasten the back tabs on the connector with two #8 x 1/2" sheet metal screws into the holes provided in the unit.
- (5) The space below the connector is to be covered by a lower end plate provided with the unit. Fasten the small cover plate with the original mounting screws.

Top Plenum Connection Connectors #69403 and 69404

- (1) Remove the existing cover plate from the top of the unit.
- (2) Re-install the cover plate screws back into their mounting holes and discard the cover plate itself.
- (3) Insert the connector, either 69403 or 69404 into the mounting opening with the tabs turned toward the front of the workstation.
- (4) Attach the tabs to workstation with two #8 x 1/2" sheet metal screws to holes already provided. Access to allow for the fastening of these screws is done by removing the rear cover plate.
- (5) Fasten the rear flange with two #8 x 1/2" sheet metal screws into the holes provided in the workstation.
- (6) Seal around the connection point with a clear silicone sealant and replace the back cover plate.

Remote Blower Installation

The remote blower part number 70535 features a 1/4 h.p. motor and an epoxy coated steel housing and wheel assembly.

In connecting your remote blower or other ventilation exhaust system to your workstation, use a flexible boot at the exhaust blower to eliminate any vibration from your remote blower transmitting through your ductwork.

Labconco remote blower part number 70535 can be purchased separately if required. Contact your local authorized laboratory supply dealer for ordering information.

NOTE: An explosion proof remote blower part number 70535-01 is available from Labconco Corporation if your particular situation warrants it. Contact your local authorized laboratory supply dealer for additional information.

INSTALLATION

Remote Blower Installation (Con't)

To install the remote blower unit, follow the directions as listed below.

- (1) Inspect your remote blower for any damage that may have occurred during transit.
- (2) Mount your remote blower on a resilient material to eliminate as much vibration from transmitting from the blower, through the ductwork to the workstation itself.
- (3) Use a flexible boot to attach the exhaust ductwork to the blower inlet connection to reduce vibration transmission.
- (4) Remove the coverplate on the motor and follow the motor manufacturer's instructions for lead wire connection.
- (5) Wire the motor for proper rotation as marked on the blower housing.
- (6) Complete the wiring of the remote blower by connecting to both a circuit breaker and on/off switch.

Airflow Adjustment

Workstations Without Integral Blower

Once you have completed the ducting for your workstation, you should check the face velocity of the air entering the workstation, by the usage of an anemometer.

The recommended face velocity for your workstation that will adequately contain vapors inside the workstation is between 50-60 fpm.

If you are experiencing a higher face velocity than those recommended, a baffle adjustment should be used to bring your airflow back within the desired guidelines.

To adjust the internal baffle on your workstation, follow the instructions as listed below:

- (1) Loosen the two retaining screws located near the top at each side of the plenum cover. (See Figure 6)
- (2) Grasp both sides of the plenum cover and rotate it down to rest on the work surface.
- (3) Loosen the damper shutter screws, by the use of a phillips screwdriver, and adjust the damper shutter open or closed, depending on your airflow situation.

Workstation Without Integral Blower (Con't)

- (4) Tighten the adjusting screws on the shutter once the correct position has been obtained, and then rotate the plenum cover back up into its original position, replace and tighten both retaining screws.
- (5) Check the airflow through the front of the workstation for both adequate velocity and uniform distribution. If you still experience problems with your airflow velocity or distribution, repeat steps 1 thru 5.

WARNING: If your workstation is ducted out of one of the end positions, the damper shutter on the ducted end may be adjusted slightly more closed than the opposite shutter to achieve a more uniform face velocity.

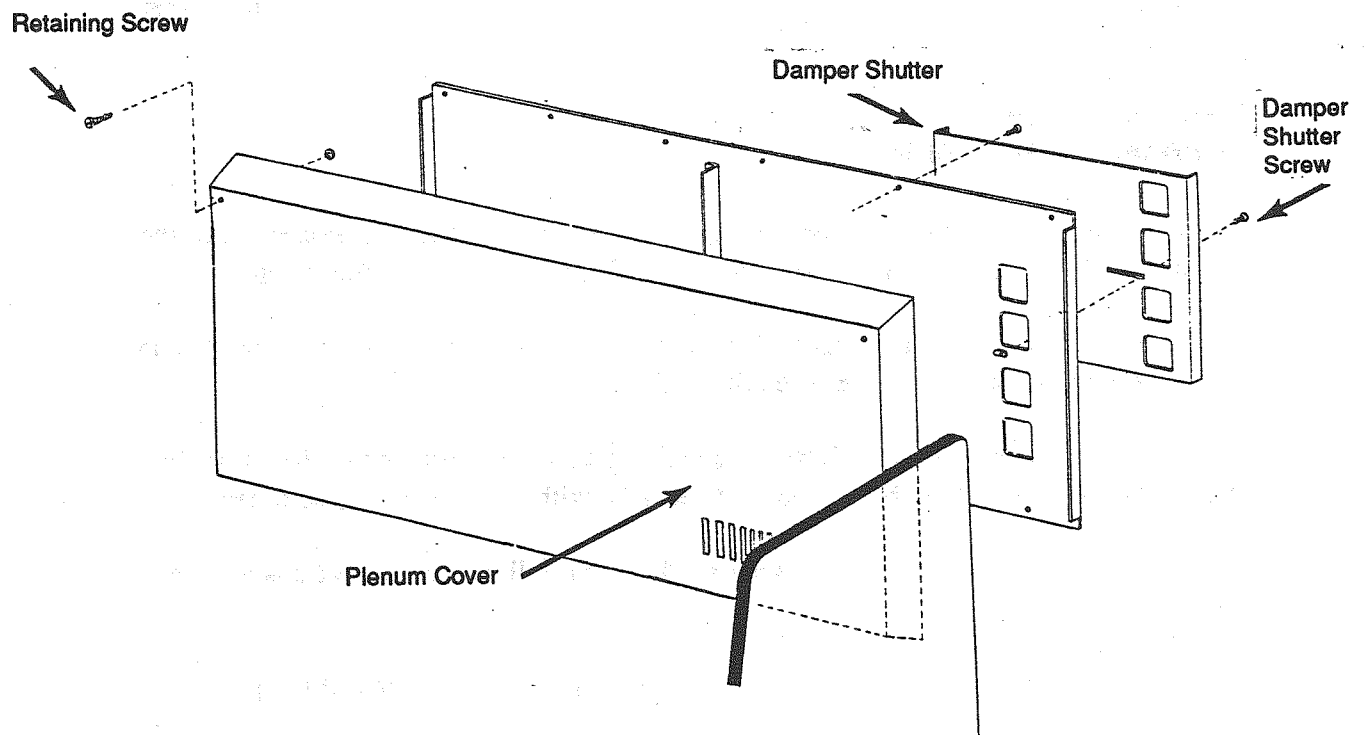


Figure 6

INSTALLATION

Exhaust Connections

Workstation With Integral Blower

Your Labconco workstation with integral motor/blower features a 6" x 6" duct connection located directly on the top of the blower housing assembly. This allows for a direct connection to your exhaust ductwork.

Should your workstation feature the internal charcoal filter pack assembly, ducting of the unit would not be required as the vapors being used inside the workstation would be adsorbed by the filter pack.

WARNING: Even though it is not required that the workstation with integral charcoal filter be exhausted to the outside, we as the manufacturer would recommend that this be done as an added safety precaution.

Airflow Adjustment

Workstations With Integral Blower

Your workstation featuring the integral blower has been factory adjusted to obtain the best possible airflow across the face opening of the unit. The internal baffle is not adjustable in the field so if you do experience airflow problems during usage, please contact your local authorized supply dealer or call Labconco directly at (800) 821-5525 or (816) 333-8811 for assistance.

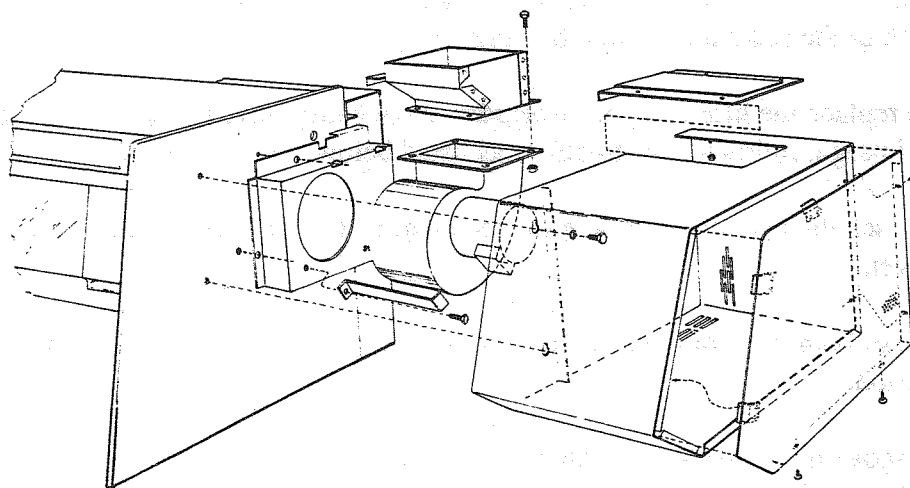


Figure 7

Charcoal Filter Installation Initial Usage

To prevent damage during transit and to prevent moisture from prematurely saturating the filters prior to usage, your charcoal filter pack has been shipped independently.

The filters are packaged in an air-tight plastic bag with desiccant to prevent moisture adsorption by the filters prior to usage.

To install your charcoal filters in the workstation, follow the instructions as listed below: See Figure 8.

- (1) Loosen the two retaining screws located near the top of each side of the plenum cover.
- (2) Grasp both sides of the plenum cover and rotate it down to rest on your work surface.
- (3) Install both filters into the filter frame, making sure that the bottom back edges of the filters are tucked under the filter frame flange.

CAUTION: When using formaldehyde in your workstation, always place the charcoal filter type CI (marked with a red label) in back of the charcoal filter type AC (marked with a white label).

- (4) Rotate the plenum cover back up into its normal operating position and tighten both of the retaining screws. See Figure 8.

To replace the filters in your workstation once they have become fully loaded during normal usage, follow the instructions as listed below:

- (1) Loosen the two retaining screws located near the top of each side of the plenum cover.
- (2) Grasp both sides of the plenum cover and rotate it down to rest on your work station.
- (3) Remove the used charcoal filters and place in the plastic bag that has been provided for their disposal.

WARNING: Observe all Federal, State, and local EPA regulations for the disposal of hazardous materials when disposing of your charcoal filters.

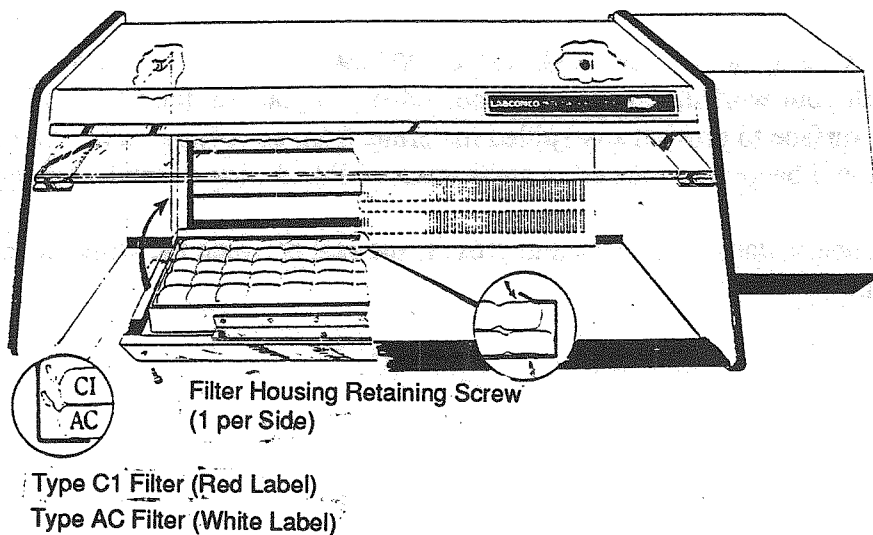
INSTALLATION

Charcoal Filter Installation (Con't)

- (4) Install both filters into the filter frame, making sure that the bottom back edge of the filters are tucked underneath the filter frame flange.

CAUTION: When using a formaldehyde in your workstation, always place a charcoal type CI (marked with a red label) in back of the charcoal filter type AC (marked with a white label).

- (5) Rotate the plenum cover back up to its normal operating position and tighten both of the retaining screws.



IMPORTANT: Warning: Used filters are hazardous material. Observe all federal, state and local EPA regulations for handling and disposal.

FLAMMABLE — Keep away from heat or open flame.

Figure 8

Replacement filters for your workstations can be ordered under the following part numbers.

Part Number	Description
69418	Labconco Xylene/Alcohol Filter Pack (1 set consisting of two type AC filters)
69419	Labconco Formaldehyde Filter Pack (1 set consisting of one type AC and one type CI filter)

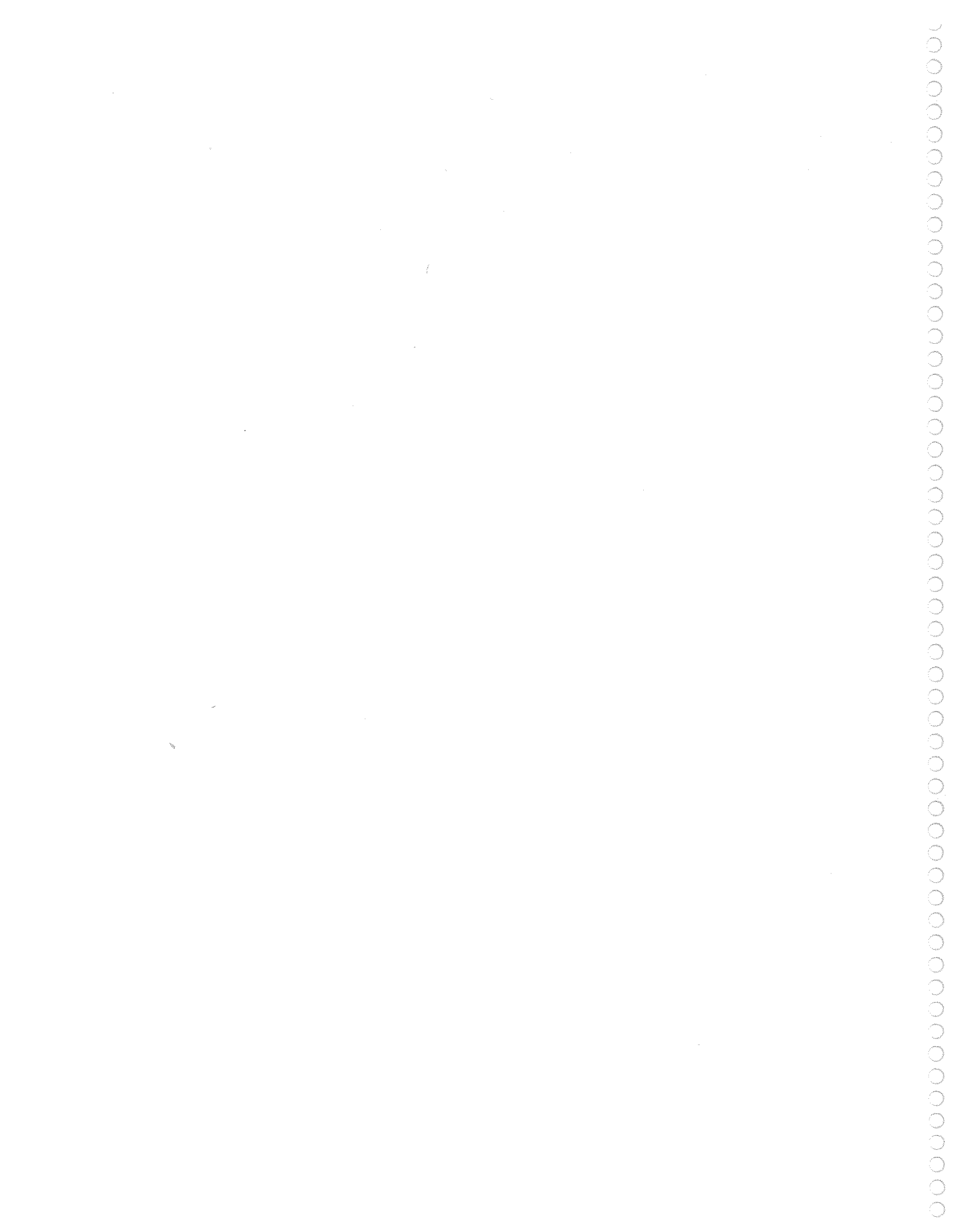
Sealing The Workstation

When using the optional work surface P/N 69420-00 or other work surface in conjunction with your workstation, it is recommended that you seal the workstation securely to the work surface to prevent any spilled materials from collecting under the walls of the workstation and becoming trapped in areas inaccessible during normal cleaning.

Silicone sealants can be used to provide the seal between the work surface and the workstation.

CONTACTING LABCONCO

If you have any questions that are not addressed in this manual, or if you need technical assistance, please contact Labconco's Customer Service Department at either (800) 821-5525, or (816) 333-8811, between the hours of 8:00 a.m. and 5:00 p.m. Central Standard Time.



NORMAL OPERATION

- Although the workstation has been ENGINEERED to maintain the optimum in operator safety, caution should always be used while working at the workstation.
- Good general housekeeping procedures with the following specific recommendations should allow you to operate your workstation safely.
- Do not overload the workstation work surface with apparatus or work material. The safe operation of the workstation is based upon having proper airflow through the structure.
- Do not block the bottom of the baffle. This will change the airflow pattern in the workstation causing turbulence and possible leakage at the face of the workstation. (Don't store containers, etc., against baffles as this will affect airflow through the workstation.)

CAUTION: High temperature and humidity will cause filters to be prematurely exhausted.

CAUTION: If more than a third of the surface is to be covered with containers of solvent, the filters cannot be utilized and the workstation would have to be ducted. Failure to do so will result in poor containment and short filter life.

- Do not use flammable or explosive materials in this workstation unless it has been built with explosive proof components.
- Do not work or store chemicals in this workstation without the exhaust system running.
- Do not use perchloric acid in this workstation.
- Do not use high level radioisotope materials in this workstation.
- Do not use heat generating equipment in this workstation with the filters in place on filtered units.
- Seal all ductwork joints properly to prevent the leakage of any exhaust contaminants into your room.
- Always work four (4) inches behind the foil.

CAUTION: The foil must be in place to ensure containment, and the viewing panel must be down during operation.

CAUTION: Work four (4) inches behind the foil to ensure containment.

ROUTINE MAINTENANCE

- Mild soap and water should be used to clean both the stainless steel and phenolic material should they become dirty.
 - The exhaust motor on your remote blower has been factory lubricated for two years of service.
- After this period, 20-30 drops of SAE 20 automotive oil annually is sufficient. Reference nameplate on the motor for additional oiling instructions.

REPLACEMENT PARTS

MODEL 69410-03

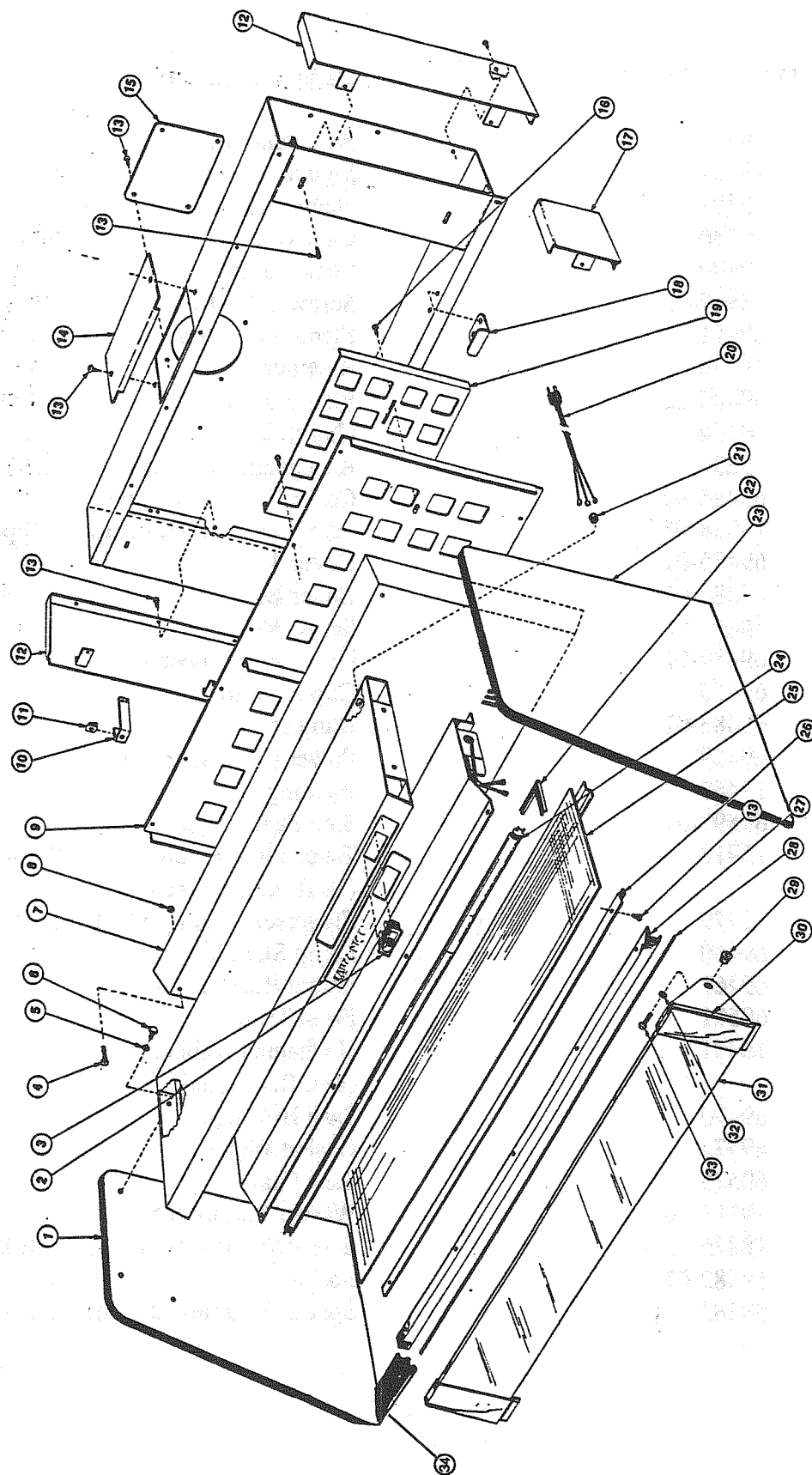


Figure 9

REPLACEMENT PARTS

MODEL NO. 69410-03 (115 V, 60 Hz)

PART NUMBER	DESCRIPTION
1. 69597	Side Panel Left
2. 13257	Switch
3. 69491	Nameplate Decal
4. 19236	Captive Screw
5. 19100-16	Lockwasher 1/4
6. 18807-08	Screw 1/4-20 x 1/2 Hex Head
7. 69571	Plenum Assembly
8. 19238	Retainer
9. 69480-02	Plate Assembly
10. 69474	Clip Side
11. 19239	Receptacle Clip On
12. 69486-02	Cover End Assembly Full
13. 18948-08	Screw #8 x 1/2 Truss Hd. Phillips S.S.
14. 69485-01	Cover Top
15. 69484-01	Cover Back
16. 18893-08	Screw #8 x 1/2
17. 69489-02	Cover End Lower Assembly
18. 69473	Clip Bottom
19. 69483-01	Damper
20. 69459	Power Cord Assembly
21. 13467	Bushing
22. 69597-01	Side Panel Right
23. 15918	Tape, Vinyl Foam 1/4" x 1/2" (per ft.) (10 ft. Req'd./unit)
24. 12779	Fluorescent Lamp 36F30T12
25. 69460	Lamp Shield
26. 69461	Shield Retainer Bracket
27. 69591	Front Trim
28. 16431	U Channel Rubber (ft.) (4 ft. Req'd./unit)
29. 69470	Sash Bushing
30. 69573	Gasket Wiper
31. 69575	Sash Glass
32. 19113-16	Washer Flat 1/4 S.S.
33. 18876 - 10	Screw 1/4-20 x 5/8 Pan Hd. Phillips S.S.
34. 69582-01	Foil
35. 69583	Spacer, Foil (not shown)

REPLACEMENT PARTS

MODELS 69410-01, 69410-02, 69410-05

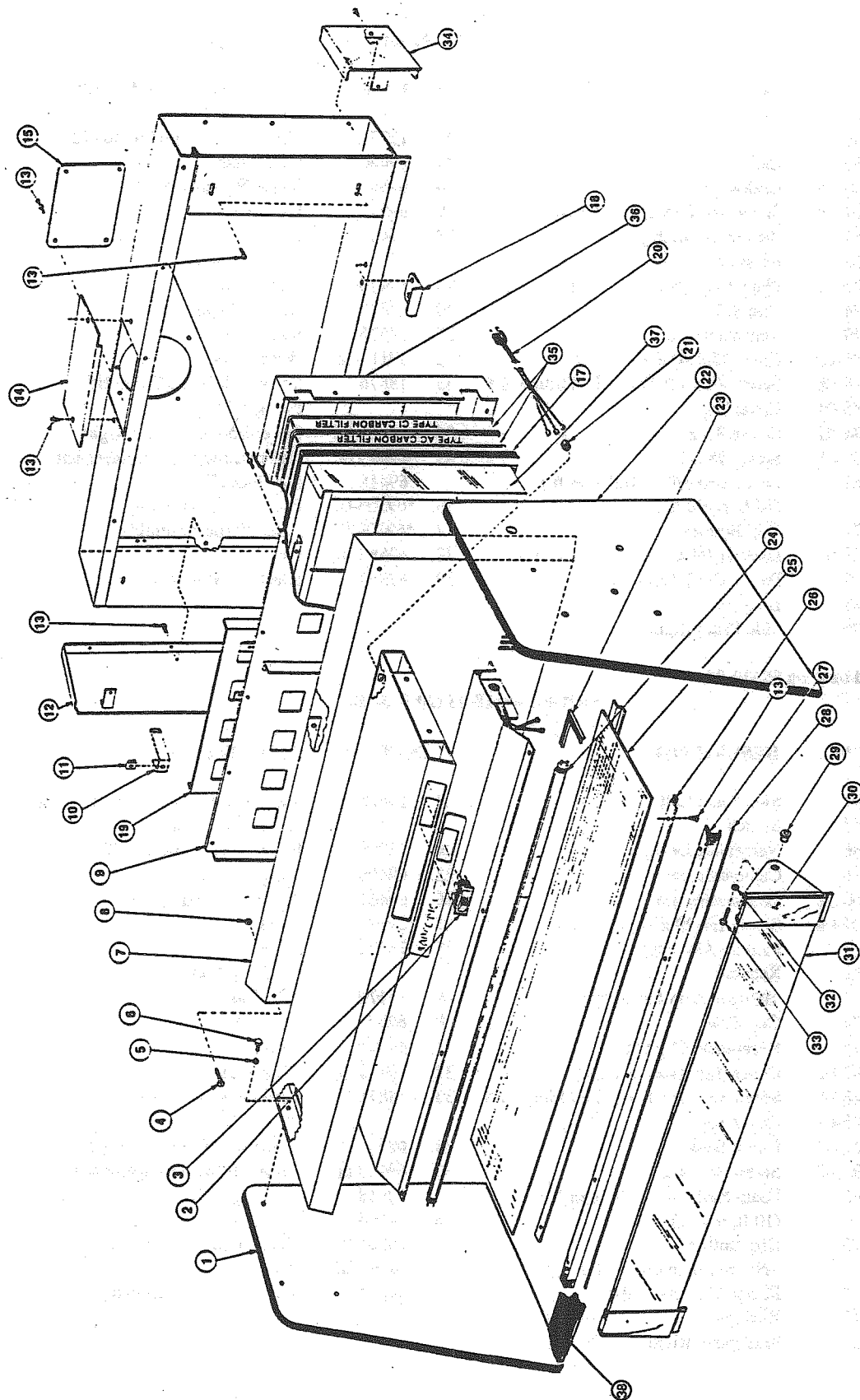


Figure 10

REPLACEMENT PARTS

MODELS 69410-01 69410-02 (115 V, 60 Hz)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1. 69597	Side Panel Left	23. 15918	Tape, Vinyl Foam 1/4" x 1/2" (per ft.)
2. 13269	Switch		(10. ft. req'd./unit)
3. 69536	Nameplate Decal	24. 12779	Fluorescent Lamp 36F30T12
4. 19236	Captive Screw	25. 69460	Lamp Shield
5. 19100-16	Lockwasher 1/4	26. 69461	Shield Retainer Bracket
6. 18807-08	Screw 1/4-20 x 1/2 Hex Head	27. 69591	Front Trim
7. 69571	Plenum Assembly	28. 16431	U Channel Rubber (ft.)
8. 19238	Retainer		(4 ft. Req'd./unit)
9. 69480-02	Plate Assy. (Not req'd on 69410-02)	29. 69470	Sash Bushing
10. 69474	Clip Side	30. 69573	Gasket Wiper
11. 19239	Receptacle Clip On	31. 69575	Sash Glass
12. 69486-02	Cover End Assembly Left	32. 19113-16	Washer Flat 1/4 S.S.
13. 18948-08	Screw #8 x 1/2 Truss Hd. Phillips S.S.	33. 18876	Screw 1/4-20 x 5/8 Pan Hd.
14. 69485-01	Cover Top		Phillips S.S.
15. 69484-01	Cover Back	34. 69560-02	Cover End Assembly Right
16. 18893-08	Screw #8 x 1/2	35. *69419 or	Carbon Filter Replacement Kit
17. *15962	Foam Seal 3/8" x 1/2" (per ft.)	69418	(See Page 17)
	(10 ft. req'd./unit)	36. *69505-01	Rear Frame Assembly
18. 69473	Clip Bottom	37. *69509-01	Filter Frame Assembly
19. 69483-01	Damper (Not req'd on 69410-02)	38. 69582-01	Foil
20. 69459	Power Cord Assembly	39. 69583	Spacer, Foil (not shown)
21. 13647	Bushing		
22. 69596	Side Panel Right		

*Required only on 69410-02

MODEL 69410-05 (20 V, 50 Hz)

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1. 69597	Side Panel Left	23. 15918	Tape, Vinyl Foam 1/4" x 1/2" (per ft.)
2. 13257	Switch		(10. ft. req'd./unit)
3. 69536	Nameplate Decal	24. 12779	Fluorescent Lamp 36F30T12
4. 19236	Captive Screw	25. 69460	Lamp Shield
5. 19100-16	Lockwasher 1/4	26. 69461	Shield Retainer Bracket
6. 18807-08	Screw 1/4-20 x 1/2 Hex Head	27. 69591	Front Trim
7. 69571	Plenum Assembly	28. 16431	U Channel Rubber (ft.)
8. 19238	Retainer		(4 ft. req'd./unit)
9.	(Not req'd on 69410-05)	29. 69470	Sash Bushing
10. 69474	Clip Side	30. 69573	Gasket Wiper
11. 19239	Receptacle Clip On	31. 69575	Sash Glass
12. 69486-02	Cover End Assembly Left	32. 19113-16	Washer Flat 1/4 S.S.
13. 18948-08	Screw #8 x 1/2 Truss Hd. Phillips S.S.	33. 18876	Screw 1/4-20 x 5/8 Pan Hd.
14. 69485-01	Cover Top		Phillips S.S.
15. 69484-01	Cover Back	34. 69560-02	Cover End Assembly Right
16. 18893-08	Screw #8 x 1/2	35. 69419 or	Carbon Filter Replacement Kit
17. 15962	Foam Seal 3/8" x 1/2" (per ft.)	69418	(See Page 17)
	(10 ft. req'd./unit)	36. 69505-01	Rear Frame Assembly
18. 69473	Clip Bottom	37. 69509-01	Filter Frame Assembly
19.	(Not req'd on 69410-05)	38. 69582-01	Foil
20. 69459	Power Cord Assembly	39. 69583	Spacer, Foil (not shown)
21. 13647	Bushing		
22. 69596	Side Panel Right		

REPLACEMENT PARTS

INTEGRAL BLOWER ASSEMBLY MODELS 69410-01, 69410-02, 69410-05

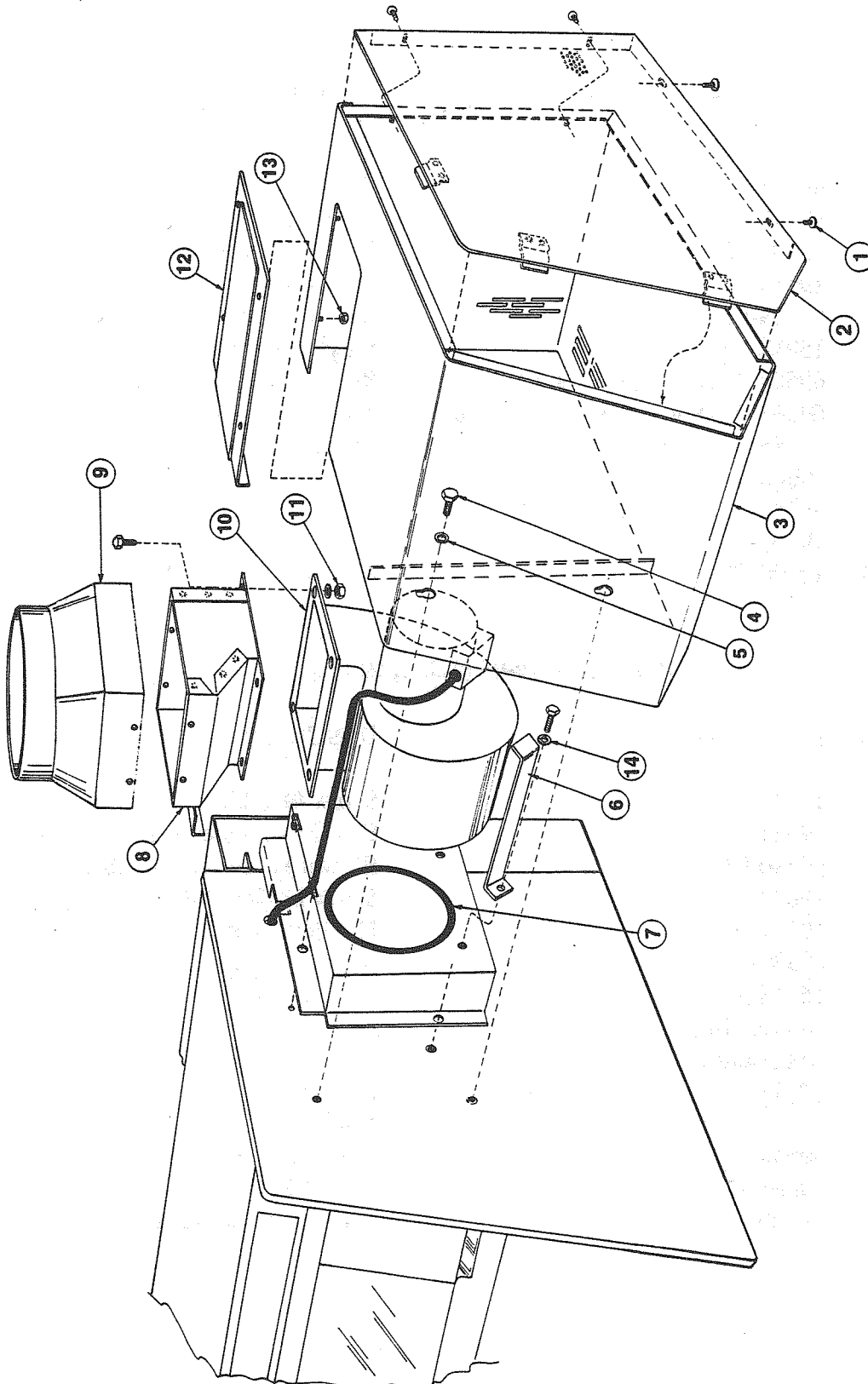


Figure 11

INTEGRAL BLOWER ASSEMBLY**MODELS 69410-01, 69410-02 (115 V, 60 Hz)**

PART NUMBER	DESCRIPTION
1. 18949-08	Screw #8 x 1/2
2. 69551-01	End Cover Assembly
3. 69540-01	Blower Housing Assembly
4. 18807-08	Screw 1/4-20 x 1/2
5. 19115-12	Flat Washer #12
6. 69539-01	Blower Clamp
7. 15918 (by the foot)	Vinyl Foam Tape
8. 69554-01 (Not required on 69410-02)	Blower Outlet Assembly
9. 69563-01 (Not required on 69410-02)	Adapter 6 x 6 x 6
10. 14585	Blower Assembly
11. 19065-21	Nut 1/4-20
12. 69548-01 (Not required on 69410-01)	Filler Plate Assembly
13. 19605-17	Nut 10-24
14. 19100-16	Lockwasher 1/4 Helical

MODEL 69410-05 (220 V, 50 Hz)

PART NUMBER	DESCRIPTION
1. 18949-08	Screw #8 x 1/2
2. 69551-01	End Cover Assembly
3. 69540-01	Blower Housing Assembly
4. 18807-08	Screw 1/4-20 x 1/2
5. 19115-12	Flat Washer #12
6. 69539-01	Blower Clamp
7. 15918 (by the foot)	Vinyl Foam Tape
8. Not required on 69410-05	
9. Not required on 69410-05	
10. 14591	Blower Assembly
11. 19065-21	Nut 1/4-20
12. 69548-01	Filler Plate Assembly
13. 19605-17	Nut 10-24
14. 19100-16	Lockwasher 1/4 Helical

SPECIFICATION DRAWING

PROTECTOR WORKSTATION MODEL 69410-03

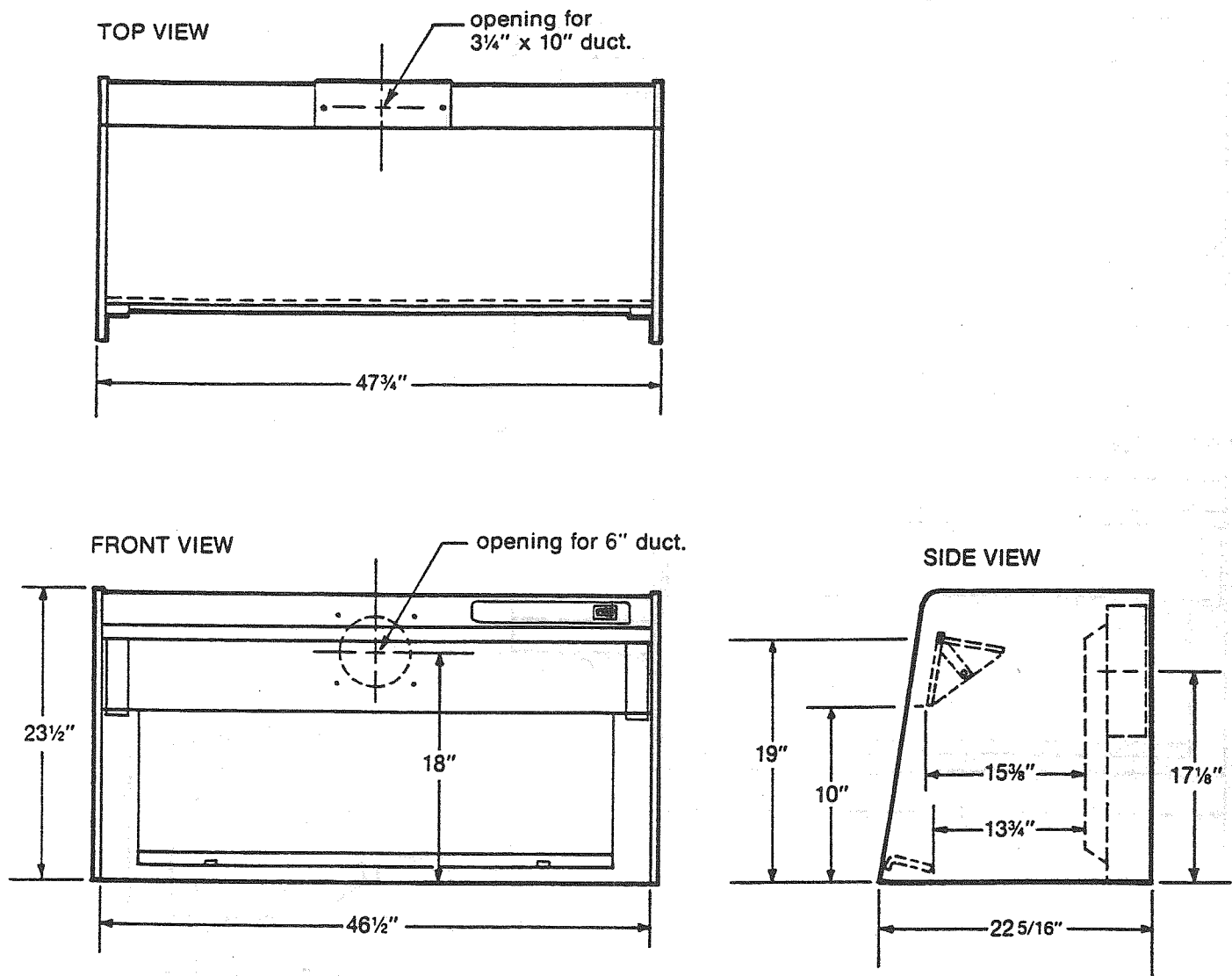


Figure 12

SPECIFICATION DRAWING

PROTECTOR WORKSTATION MODELS 69410-01, 69410-02, 69410-05

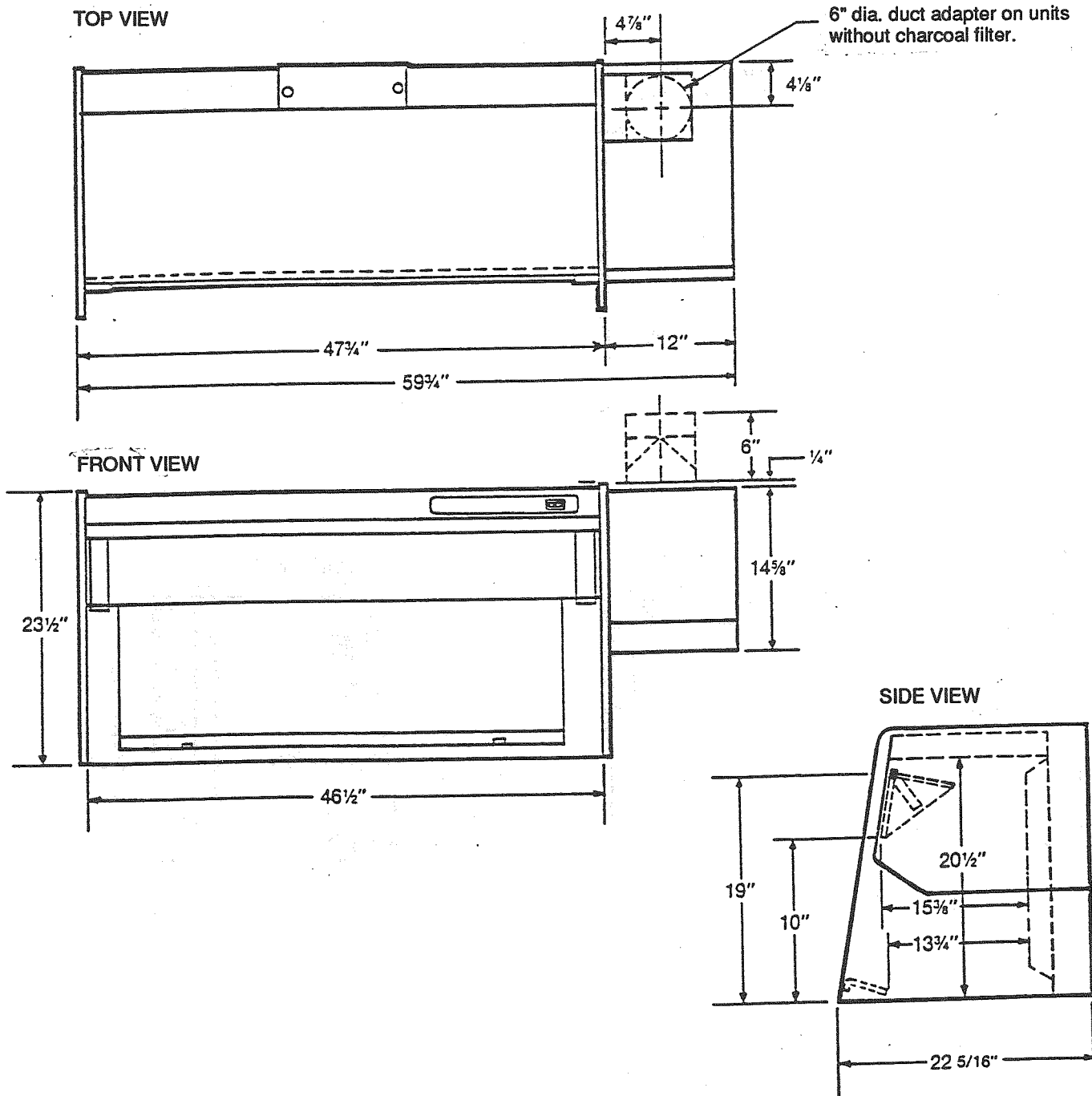
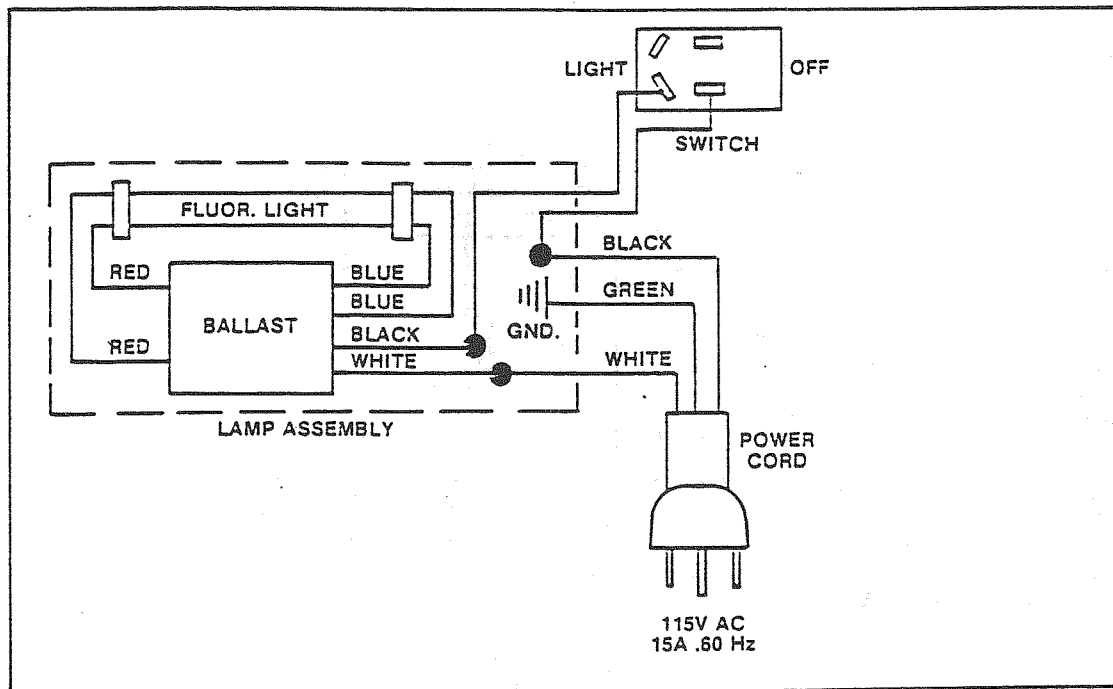


Figure 13

WIRING DIAGRAM

Models 69410-03 (115 V, 60 Hz)



Models 69410-01, 69410-02 (115 V, 60 Hz)

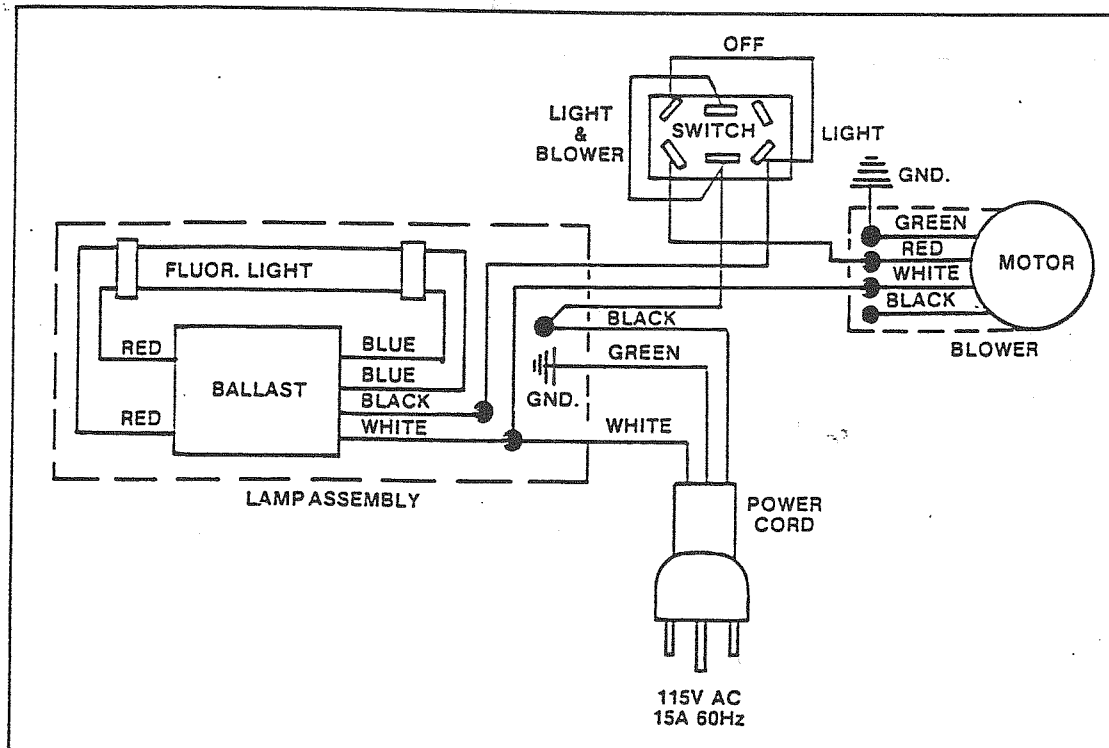


Figure 14

WIRING DIAGRAM

Model 69410-05 (220 V, 50 Hz)

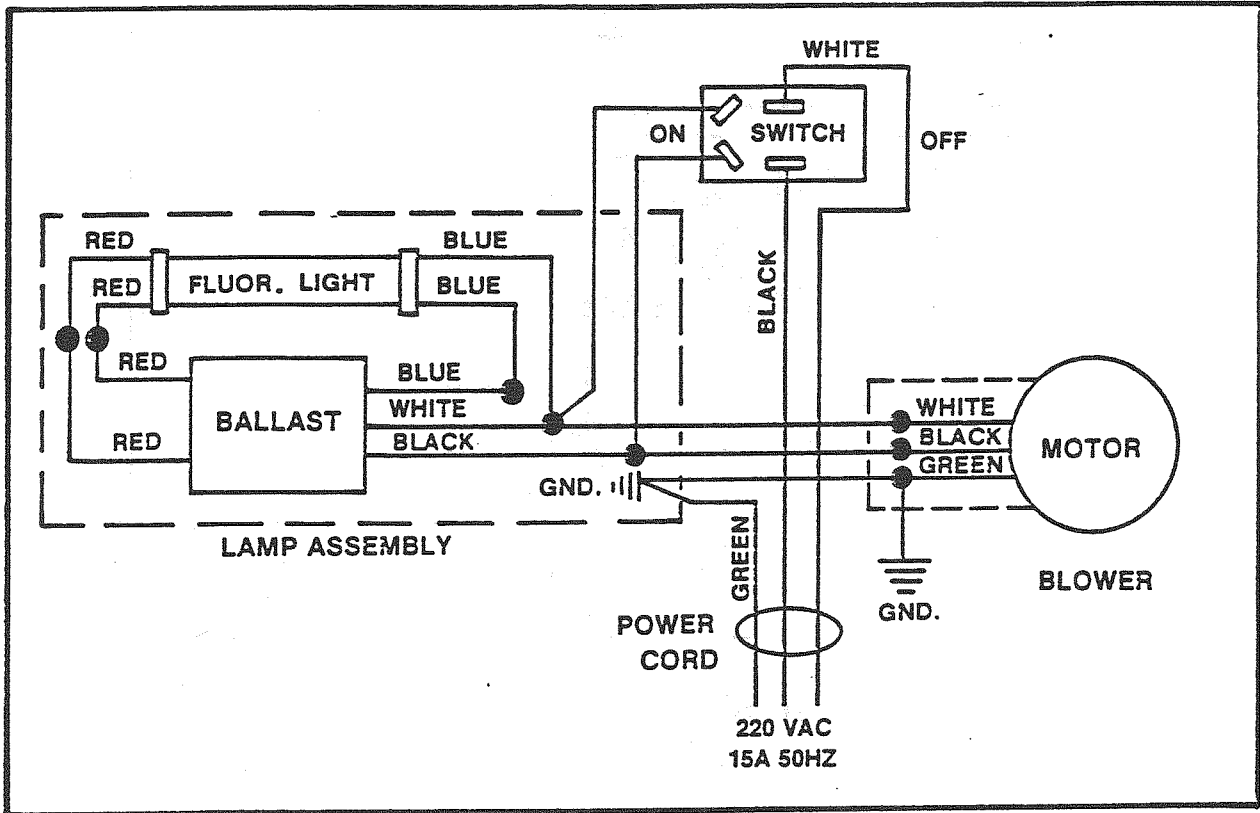


Figure 15

WARRANTY

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 products.

Labconco Corporation warrants products of its manufacture for one year, from receipt of the equipment by the purchaser, against defects in materials and workmanship. This limited warranty covers parts and labor but not transportation and insurance charges. In the event of a warranty claim contact 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 of warranty 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 expendable items such as filters are not covered by this warranty. Damage due to corrosion or accidental breakage are also 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.

It is the responsibility of the user to determine the suitability of this product for the intended applications.

SHIPPING CLAIMS

If shipment is received in visibly damaged condition, be certain to make a notation on delivering carrier's receipt and have his 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.