

OPERATOR'S MANUAL

PowderSafe™

Type B

Ductless Balance Enclosure

Models:

AC730C AC740C

AirClean® Systems
The Fume Control Experts.

TABLE OF CONTENTS

SECTION	PAGE
Declaration of Conformity	3
Symbols & Definitions	4
Cautions and Precautions	5
Specifications	6
Product Overview	7
Airflow Diagram	8
Unpacking and Installation	9-11
Controller Instructions	12-14
Operating Instructions	15
Prefilter	16
Main Filter(s)	18
Filter Serial # Instructions	20
Fluorescent Bulbs	21
Cleaning	26
Spare Parts	27
Cart Assembly	28-29
Warranty	30
Shipping Claims	31
Contact Info	32

AirClean® Systems

The Fume Control Experts.

DECLARATION OF CONFORMITY

We: AirClean® Systems, Inc.
of: 3248 Lake Woodard Drive
Raleigh, North Carolina 27604
USA

declare that:

Product Name: PowderSafe Type B
Model Numbers: AC730C, AC740C

in accordance with the following Directives:

73/23/EEC The Low Voltage Directive as amended by 93/68/EEC
89/336/EEC EMC Directive as amended by 92/31/EEC

has been designed and manufactured to the following specifications:

Safety: IEC 61010: 2001 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT
FOR MEASUREMENT

EMC: CISPR 11 Electromagnetic Disturbance Characteristics - Limits And
Methods of Measurement
IEC 61000-4-2 Electromagnetic Compatibility, ESD
IEC 61000-4-3 Electromagnetic Compatibility, Radiated Immunity
IEC 61000-4-4 Electromagnetic Compatibility, Fast Transient
IEC 61000-4-5 Electromagnetic Compatibility, Surge
IEC 61000-4-6 Electromagnetic Compatibility, Conducted Immunity
IEC 61000-4-8 Electromagnetic Compatibility, MM
IEC 61000-4-11 Electromagnetic Compatibility, Voltage Interruption

The CE marking has been affixed on the device according to article 10 of the EMC Directive 89/336/EEC.

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with the essential requirements of the directives.

Signed by: 

Name: M. Kevin McGough
Position: General Manager

Raleigh, North Carolina USA 15- Apr-2004

SYMBOLS AND DEFINITIONS

	The lightning flash with arrowhead symbol within an equilateral triangle alerts the user to the presence of dangerous voltages within the product's enclosure that maybe of sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral triangle alerts the user to the presence of important operating maintenance or service instructions.
	The two persons lifting symbol within a circle alerts the user that two persons are required for safe lifting of the object.
	The presence of this symbol means that this equipment has been designed, tested and certified as complying with the applicable Underwriter's Laboratory (USA) regulations and recommendations.
	The presence of this symbol means that this equipment has been designed, tested and certified as complying with all of the essential requirements applicable to European Union (CE) regulations and recommendations.
	This symbol alerts the user to the correct replacement fuses for the product.

Abbreviation Definition

PPE	Personal Protective Equipment
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Government Industrial Hygienists
TLV	Threshold Limit Value
HEPA	High-Efficiency Particulate Air
MSDS	Material Safety Data Sheet
ANSI	American National Standards Institute

CAUTIONS AND PRECAUTIONS

Signal Words and Meanings



WARNING - Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.



CAUTION - indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices or potential equipment damage.

Cautions



Always use a properly grounded line cord and receptacle.



Always replace fuses with those specified.



These instructions must be placed in an easily seen location.



DO NOT operate the equipment without the filters in place.



DO NOT use this system until it has been properly installed.



DO NOT operate this enclosure if the linecord appears damaged or frayed in any way.



DO NOT attempt to access non-user serviceable components of system.



DO NOT operate this enclosure if display is blank or hard to read. If display is hard to read, call technical support at 800-849-0472.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	AC730C	AC740C
Physical Dimensions		
Outside Dimensions	32" w x 33" h x 30" d	48" w x 33" h x 30" d
Inside Dimensions	31" w x 20" h x 22" d	47" w x 20" h x 22" d
Weight		
Filters included	150 lbs.	250 lbs.
Airflow Characteristics		
Low Airflow Alarm	Audible/Visible	Audible/Visible
Volume of Filtered Air	250 CFM	300 CFM
Linear Face Velocity	100 FPM	100 FPM
Electrical		
Voltage	110V or 220V	110V or 220V
Current	3.0A / 1.5A	6.0A / 3.0A
Power Consumption	330W	660W
Operation		
Speed Selection	Variable Speed	Variable Speed
Construction		
Top and Base Material	Polypropylene	Polypropylene
Front Panel	Polycarbonate	Polycarbonate
Prefilter¹		
Type (particulate)	ACFPRE8	ACFPRE5
Weight	9 oz.	11 oz.
Dimensions	23" l x 11" w x 1" h	41" l x 11" w x 1" h
Requirements	1	1
Filter²(HEPA)		
Type	ACFHEPA	ACFHEPA-42
Weight	9 lbs.	18 lbs.
Dimensions	24" l x 12" w x 3" h	42" l x 12" w x 3" h
Requirements	2	2
Options		
Cart (with two 4" locking wheels)	32" l x 30" w x 34" h	48" l x 30" w x 34" h

NOTE 1

Your enclosure is shipped with the prefilter(s) attached to the inside of the enclosure. AirClean® Systems prefilters are filtrate electrostatic particulate filters with 65% efficiency for particulate down to 0.5 microns in diameter (DOP test). The prefilter must be checked on a scheduled basis. Refer to the "MAINTENANCE" section of this manual.

NOTE 2

Your AirClean® Systems PowderSafe™ enclosure was shipped with the primary and permanent HEPA filters installed. The HEPA filters protect the operator from particulate but **will not protect the operator from any fumes.** The HEPA filters must be changed on a scheduled basis. Refer to the "MAINTENANCE" section of this manual.

OVERVIEW



Type B Enclosure

AirClean® Systems Type B enclosures provide maximum operator protection during weighing and filter change out. Variable Airflow Volume Control ensures constant operator protection from exposure to pharmaceutical compounds.

AirClean® Systems HEPASafe™ filter change technology allows for safe and easy change of all contaminated filters, while under negative pressure. A permanent HEPA filter protects the operator during primary HEPA filter change out. If the primary HEPA filter should ever be compromised, it would also act as a permanent “nondisturbed” backup safety filter. The pre-filter and primary HEPA filter are simply bagged out within the enclosure.

Independently tested and validated for personal protection from particulate.



Copies of these reports are available from AirClean® Systems upon request.

AIRFLOW DIAGRAM

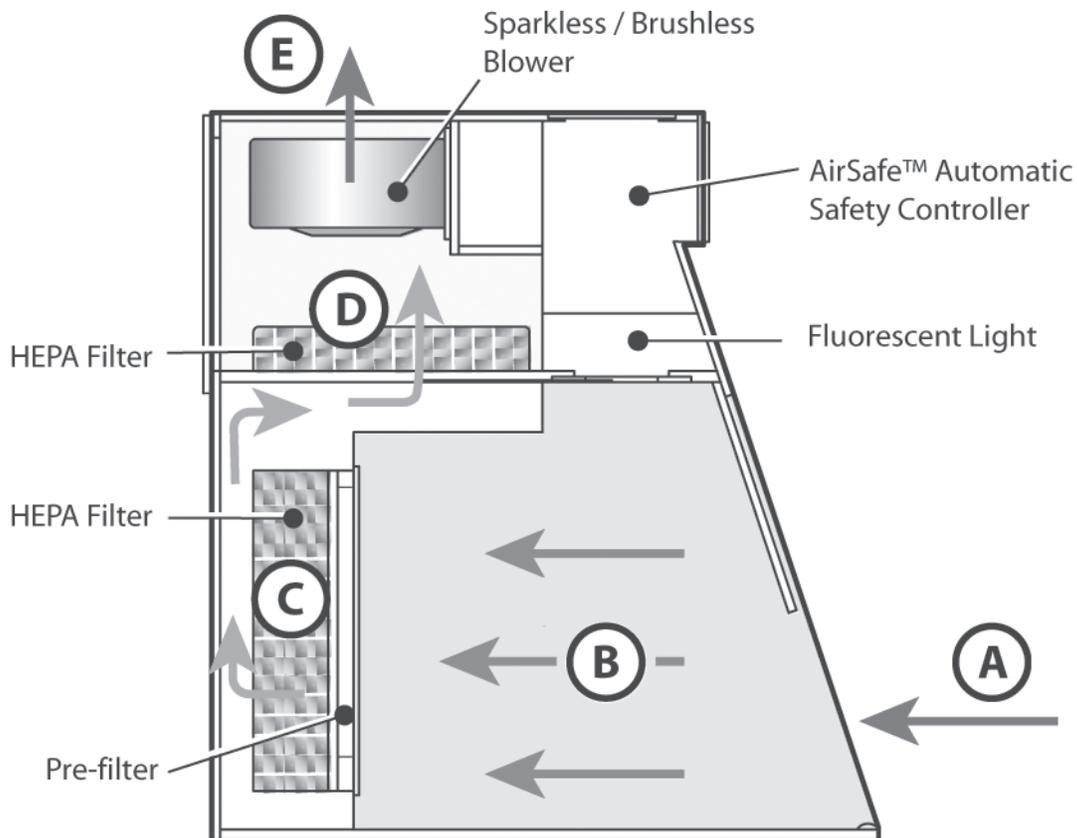


Figure 1. Airflow diagram

How PowderSafe™ Type B Works:

1. Air enters at "A" and is drawn in a laminar flow toward the rear plenum of the enclosure while being mixed with contaminated air "B".
2. At "C" the contaminated air first enters a roughing pre-filter before entering the primary HEPA filter.
3. Air cleaned by the primary HEPA filter enters the permanent safety HEPA filter at "D".
4. Clean air is returned to the room at "E".

UNPACKING AND INSTALLATION INSTRUCTIONS

- 1) Make sure that your workstation arrived secured to a pallet/skid. Inspect the exterior packaging (box) for damage. Note any damage or absence of pallet on the freight carrier's waybill and call AirClean® Systems immediately.
- 2) Put on safety glasses and cut banding material.
- 3) Remove box top and sleeve.
- 4) Remove shrink-wrap and foam. If you use a sharp object to cut the shrink-wrap and foam, make sure not to cut into the workstation.

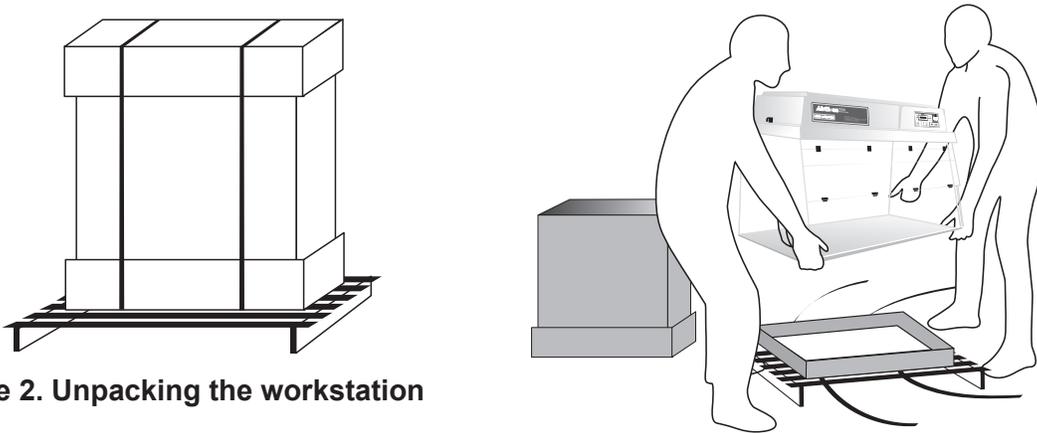


Figure 2. Unpacking the workstation



CAUTION: This workstation should not be installed near doors, windows or air conditioning/ heating/ ventilation systems. Air must be allowed to circulate freely around the enclosure. Allow at least 6" between the top and the right side of the enclosure and any obstructions.

Note: Ready access is required to the power entry module and On/Off switch located at the upper right side of the enclosure behind the AirSafe™ controller.

- 5) If ordered, assemble the mobile cart. Assembly instructions are included with the cart and also in the OPTIONS section of this manual. (page 29)
- 6) Designate the appropriate installation location. Make sure that the desired area is stable enough to hold the workstation and that there is an appropriate AC wall receptacle near the workstation. Do not place workstations near doors, windows, or air returns.



CAUTION: DO NOT lift the workstation by the head assembly, the sash, or any protruding wires.

- 7) Based upon the size of the enclosure, make sure to have adequate equipment and personnel to put in place. See Technical Specifications on pages 8-10.

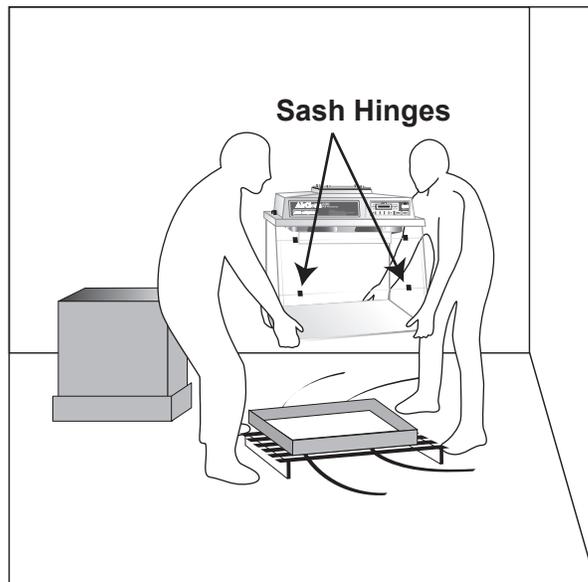


Figure 3. Lifting the workstation properly.

- 8) Place the workstation in the desired location. Once in place, make sure that it is secure and stable.
- 9) Visually inspect your workstation, checking for any damage that may have occurred in shipping. Pay special attention to the sash hinges. If damage has occurred, call AirClean® Systems immediately. DO NOT attempt to use workstation.
- 10) Make sure that the rear hatch cover is secure and seated properly. See figure 4.



Figure 4. 730C Rear



CAUTION: Only use approved accessories with the exterior connectors.

- 13) Make sure that any exterior linecord connections are secure and seated properly. These connections are located on the back right side of the workstation. See figure 5.
- 14) Locate the power entry module on the right side of the workstation. Insert the female end of the linecord into the power entry module and the male end into an appropriate electrical outlet. See figure 5.

730C side



Figure 5. AC730C/AC740C Linecord power entry module

CONTROLLER INSTRUCTIONS

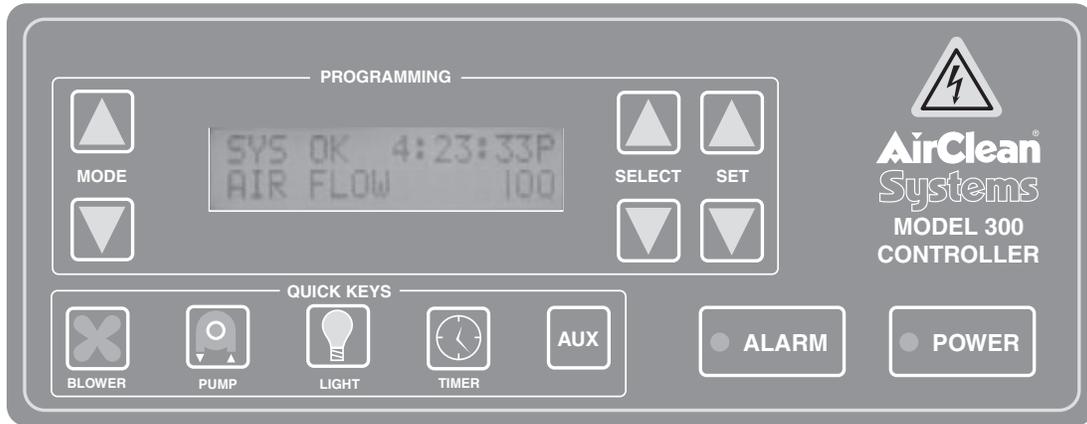


Figure 6. AirSafe™ automatic safety controller layout.

QUICK KEYS	
	BLOWER - Default screen will continuously display face velocity while blower is activated.
	PUMP - Inactive key for enclosure.
	LIGHT - One touch to enable fluorescent light.
	TIMER - User definable lab event timer.
	AUX - Inactive key for enclosure.

• All other settings are factory pre-set and should not be changed.

PROGRAMMING KEYS

The AirSafe™ Automatic Safety Controller is the first of its kind on the market. This breakthrough was designed to give the user a variety of options with the ease of fingertip control. The keypad consists of 13 keys, each with a specific function:



MODE

Allows the operator to move between different program screens.



SELECT

Allows movement within each program screen. The user modifiable portions of the screen will blink.



SET

Allows operator to adjust the following user definable settings:

- Face velocity
- Lab event timer
- Time/Date
- Gas detection

** All other settings are factory preset and should not be changed.*

● ALARM

ALARM

Allows deactivation of the audible alarm but keeps the visible alarm active.

● POWER

POWER

Turns on/off power to the controller and its keys. This DOES NOT cut off power to the entire enclosure.

(The main power switch is located above the power inlet on the top of each polypropylene fume hood.)

PROGRAMMING MENUS

MAIN MENU -

Displays the time and date when the main power is on and the controller power is off. When controller power is activated the screen will display one of the following and may be changed by pressing the “Select” arrow key:

- Airflow Monitor (Measured in Linear Feet per Minute)
- Lab Event Timer (Preset at 20 minutes)
- Current GAS DET reading (If a bonded carbon filter is installed)

NOTE: Activating the Lab Event Timer (by menu or Quick Key) will automatically switch the main menu to display the timer countdown. To switch the display back to the Airflow Monitor, just toggle with the “Select” up arrow key.

PROGRAMMING MENUS

BLOWER CONTROL – This menu is preset at the factory to meet O.S.H.A. face velocity standards while in AUTOMATIC mode. From this screen you can:

- Turn the blower on/off.
- Switch from automatic to manual blower speed based on the application.
- Change the output of the blower.

TIMER – This menu allows the operator to turn the timer on/off and to program an appropriate event time. Once the operator has programmed the desired time, the Timer can be activated by touching the Timer Quick Key on the front of the controller.

TIME/DATE – The operator can change displayed time and date.

ALARM SETTINGS – All alarm points for face velocity and gas detection have been preset by the manufacturer and should not be altered.

ALARM SCREEN – Allows the operator to turn the low airflow and gas detector alarm on/off in this screen. This controls both the audible and the visible alarms. If the operator turns off the alarm in this screen, nothing (audible or visible) will alert you if the airflow is below the selected face velocity or the HEPA filter is clogged.

NOTE: The operator can deactivate the audible alarm, when it sounds, by touching the alarm button on the controller. The visible alarm will still work.

FILTER – This menu shows the serial number and the purchase date of the filter. For every new filter installed, a new filter serial number must be entered. Refer to the “MAINTENANCE” section for complete instructions. The first filter serial number has already been entered for you prior to shipment.

BLOWER HOURS – Displays the hours and minutes that the blower has been active.

GAS DETECTOR – (for carbon hoods only) A solid state hydrocarbon detector warns the user of filter breakthrough. Alarms are audible and visible.

ADDITIONAL INFORMATION

- Keep the right hand side of the unit away from the wall and turbulent places. The hood should not be placed near doors or high-traffic areas.
- To avoid confusion, each alarm has a distinctive sound and will flash what the problem is on the display screen.
- Unless the operator turns the blower off (by Quick key or in the blower menu) before turning the power off, the blower will automatically come on each time the operator activates the unit.
- Anything the operator changes within the program is automatically saved.
- Allow each hood to run for at least 5 minutes before use so the airflow sensor can warm up, stabilize, and settle at the correct airflow.

OPERATING INSTRUCTIONS

The following operating instructions are specific for using powders and particulate in your AirClean® Systems PowderSafe™ enclosure.

NOTE: Ensure that the INSTALLATION AND ASSEMBLY INSTRUCTION steps have been completed.

A. To operate the PowderSafe™ enclosure:

1. Connect the supplied power cord to the unit and to the power outlet. Flip the switch on the power inlet module. This will activate the main power. The screen on the controller should light up and display the time and the date. Press power button. Check the blower to assure it is on . If not, press blower button. Allow the enclosure to run for 5 minutes before beginning your application.
2. Before use, ensure that you are not using an incompatible substance within the enclosure. With a HEPA filter, use only powders and particulate in the enclosure. For other substances, please call AirClean® Systems to verify compatibility before use (in this case, your filter may have another model number). Dial 919-255-3220 or 800-849-0472, Monday-Friday 8:00 AM-5:00 PM EST.
3. Perform any part of your process that involves powders and particulate inside your enclosure. NEVER manipulate powders or particulate at the front edge of your enclosure.

B. When working within the enclosure, keep the front panels down and perform your procedure in the center to rear of the enclosure. Never open the front panels completely. Only open during operation, cleaning or maintenance.

C. If the low airflow alarm sounds and/or lights up, the prefilter or HEPA filter may be clogged.

D. When this happens refer to the “MAINTENANCE” section of this manual.

REMEMBER: Following the instruction assures better protection of the operator and the environment, and extends the life of the enclosure and filter. Correct use of the PowderSafe™ enclosure is the responsibility of the operator!

MAINTENANCE

Pre-filters

Pre-filters should be checked each month. In most cases, they should be changed every 1 to 3 months. Prefilter replacement is required when discoloration of the prefilter occurs or when the low airflow alarm comes on. See the “PRE-FILTER CHECK/REPLACEMENT” section of this manual for complete instructions.

PRE-FILTER CHECK / REPLACEMENT

A. To check the Pre-filter:

1. Look through the sash to the inside of your unit. The pre-filter and pre-filter grid are located at the back of the unit.
2. Look through the slats on the pre-filter grid. If the prefilter is discolored (the original color is green), replacement is needed.

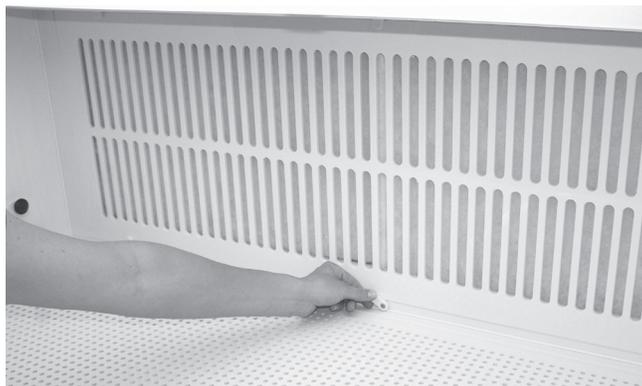


Figure 7. AC740C Pre-filter grid.

B. To replace the Pre-filter:

1. Don the proper PPE for handling the substance that have been used inside the enclosure (refer to the MSDS sheets).
2. Turn the unit on and make sure that the blower is running.
3. Place an appropriate poly bag on the base of the enclosure. You will place the saturated pre-filter inside the bag and seal it before removing it from the hood.

4. Remove the 4 black knobs or turn the 6 polypropylene clips that hold the prefilter grid in place. This will expose the clogged pre-filter. Do not remove the pre-filter from the hood!



Figure 8. AC740C Pre-filter clips.



Figure 9. AC740C Pre-filter and HEPA filter.

5. Remove the pre-filter from the pre-filter grid and place it inside the poly bag. Wipe any residue off of the pre-filter grid and base of the enclosure. Place the rag inside the bag with the pre-filter and seal the bag. Dispose of the pre-filter in accordance with your local guidelines for the substances that have been used inside the hood.
6. Inspect the HEPA filter for blockage. If replacement is needed, refer to the “FILTER REPLACEMENT” Type B, sub-section of this manual for complete instructions.
7. Place the new pre-filter into the pre-filter grid and secure into place with the 4 black knobs or 6 polypropylene clips.
8. Dispose of your PPE in accordance with your local guidelines for the substances that have been used inside the hood.

MAINTENANCE

FILTER REPLACEMENT



CAUTION: *Disconnect the linecord from the power entry module prior to proceeding.*

HEPA Filters

The HEPA filter must be changed at least every two years. See the “FILTER REPLACEMENT” section of this manual for complete instructions.

The HEPA filter must be changed every two years or whenever it is clogged. The frequency with which the filter must be changed depends upon usage. OSHA and the American Conference of Government Industrial Hygienists (ACGIH) have published guidelines for Threshold Limit Values (TLV's) of exposure to chemicals and particulate. Local regulations may also contain specific TLV's. It is the express responsibility of the user to follow these regulations.

If the level of the substance being used exceeds the published TLV's prior to the annual change date, the HEPA filter must be changed. If the filter is changed prior to the annual date, it should be changed every two years from this new date.

A. To remove the spent ACFHEPA filter:

1. Turn the unit on and make sure that the blower is running. The safety filter, located in the top of the workstation, will protect you from any residual powders that might come off of the saturated primary HEPA filter while replacing it.
2. Place 2 appropriate poly bags on the base of the workstation. You will place the saturated prefilter and HEPA filter inside the bag and seal it before removing it from the hood.
3. Don the proper PPE for handling the substance that have been used inside the hood (refer to the MSDS sheets). Remove the 4 black knobs or turn the 6 polypropylene clips that hold the prefilter grid in place. This will expose the saturated pre-filter. **DO NOT REMOVE THE PRE-FILTER FROM THE HOOD!**



Figure 10. AC740C Pre-filter clips.

4. Remove the pre-filter from the pre-filter grid and place it inside the poly bag. Wipe any residue off of the pre-filter grid and base of the workstation. Place the rag inside the bag with the pre-filter and seal the bag.



Figure 11. AC740C Pre-filter and HEPA filter.

5. With a small wrench, remove the $\frac{1}{4}$ - 20 hex nuts and remove the filter hold down.
6. Place the spent HEPA filter into the second poly bag. Wipe any residue off of the filter hold down frame and any other obvious areas. Place the second rag into the bag and seal the bag. Dispose of both bags in accordance with your local guidelines for the substances that have been used inside the hood.

MAINTENANCE

B. To install the new ACFHEPA filter:

1. Remove the ACFHEPA from the packaging. Visually inspect the HEPA filter for rips in the filter media.
2. Place the filter into the filter grid with the gasket and screen side facing away from you.
3. Place the filter hold down frame over the HEPA filter and secure it with the hex nuts.
4. Place the new pre-filter into the pre-filter grid and secure into place with the 4 black knobs or 6 polypropylene clips.
5. Dispose of your PPE in accordance with your local guidelines for the substances that have been used inside the hood.

Check the display screen to assure that the enclosure is functioning properly:

1. If the Low Airflow Alarm is not activated, proceed to use the enclosure.
2. If the Low Airflow Alarm is activated, contact our Technical Support Department at (800) 849-0472. Direct dial (919) 255-3220, Monday - Friday 8:00AM - 5:00PM EST.

FILTER SERIAL NUMBER ENTRY

- Press the “MODE” up arrow key until the filter screen is displayed. This screen will display the days remaining for filter life.
- Press the “SELECT” up arrow key. The first 2 digits of the old filter serial number will be blinking.
- Using the “SET” keys, enter the new serial number starting with the first two digits. Press the “SELECT” up arrow key to move to the next set of digits.
- Repeat until the entire serial number is entered.
- Press the “SELECT” up arrow key until the “<” symbol is blinking.
- Finish by pressing the “SET” up arrow key once to reset the filter serial number.

BULBS



CAUTION: Disconnect the linecord from the power entry module prior to proceeding.

Fluorescent Light Bulb Replacement -AC730:

1. Remove the linecord from the power entry module as shown in figure 5.
2. Using a flat head screwdriver, remove the two bolts holding the light cover in place.
3. Firmly grasp the bulb with both hands and rotate the bulb 1/4 turn counter-clockwise to release. Gently pull down on the bulb, remove it from the fixture, and discard.
4. Install the new bulb by sliding into the light socket and turning clockwise 1/4 turn until it locks into place.
5. Replace the light cover on the front of the enclosure and secure with the two mounting bolts.
6. Reconnect the linecord and turn the power back on. See figure 5.



CAUTION: Disconnect the linecord from the power entry module prior to proceeding.

Fluorescent Light Bulb Replacement -AC740:

1. Remove the linecord from the power entry module as shown in figure 5.
2. Using a philips head screwdriver, remove the two mounting screws that hold the light tray in place, located on the right side of the enclosure. See figure 11.



Figure 11.

3. Once the screws are removed, slide the light tray until you see the black connector. See figure 12.



Figure 12.

4. Grasp both sides of the electrical connector and turn the collar counter-clockwise to release. See figure 13.



Figure 13.

5. Pull the light tray out until you can remove the bulb.
6. Grasp the bulb with both hands and turn 1/4 turn counter-clockwise to release. Gently pull down on the bulb, remove it from the fixture and discard.
7. Install the new bulb by sliding into the light socket and turning clockwise 1/4 turn until it locks into place.
8. Slide the light tray into place so that you can re-attach the electrical connector. Turn the collar clockwise to tighten. See figure 13.
9. Push light tray the rest of the way in and secure into place with the two mounting screws. See figure 11.
10. Reconnect the linecord and turn the power back on. See figure 5.

CONTROLLER



WARNING: Only remove the controller module under the direction of an AirClean® Systems trained technician.

Controller Replacement for AC730/AC740C Model Workstation

Removal

1. Remove the linecord from the power entry module as shown in figure 5.



WARNING: If the linecord has not been removed there may be potentially hazardous voltages present behind the controller module.

2. Remove two mounting screws from the front of the controller and slide the control module forward until you can access the two connectors on the rear of the module. See figure 10.
3. Disconnect the two connectors at the rear of the module and remove module.

Replacement



WARNING: If the linecord has not been removed there may be potentially hazardous voltages present behind the controller module.

4. Place the new controller so that the left rear corner is in the mounting opening and reattach the two connectors.
5. Slide the module into position and replace the two mounting screws.
6. Reattach the linecord as shown in figure 5.



Figure 10, Removing the AirSafe™ controller from the AC730/AC740C model.

Replacement



WARNING: If the linecord has not been removed there may be potentially hazardous voltages present behind the controller module.

4. Place the new control module so that the left rear corner is in the control box opening.
5. Reattach the two connectors at the rear of the control box.
6. Slide the module into position and replace the three mounting screws.
7. Reattach the linecord as shown in figure 5.

CLEANING

Follow the recommended guidelines below for safe cleaning procedures.

1. Any cleaning solution can be used on the white polypropylene structure since it is impervious to most chemicals and certainly impervious to all common cleaning chemicals.
2. The sash should always be cleaned with an acrylic foam cleaner or a soft damp cloth. Do not use solvent cleaners on the sash as this may cloud the sash material.



WARNING: Interior cleaning with an approved disinfectant should be completed routinely.



WARNING: Residual moisture must be removed from the sash or chemical burn may occur. If this occurs contact AirClean® Systems technical support before continued usage of product.

SPARE PARTS LIST

CATALOG NO.	DESCRIPTION	AC730C	AC740C
12-52181	Airflow Rubber Gasket	1	1
10-50738	Airflow Sensor	1	1
10-50267	Blower/Fan	1	-
10-50271	Blower/Fan	-	2
10-50928	Capacitor	1	-
10-50608	Capacitor	-	2
10-51579	Electronics Box	1	1
12-52184	Filter Hatch Cover Assembly	1	-
12-52183	Filter Hatch Cover Assembly	-	1
10-50428	Fuse 6.3A Slo-Blo®	1	1
12-52178	Hatch Cover Electronics	1	-
09-50009	Hex Nuts	8	10
03-50184	IEC Connector	1	1
06-50422	Knurled Knob	4	-
10-51324	Light Fixture	1	-
10-50778	Light Fixture	-	1
12-52177	Light Hatch Cover w/ Welded Support	1	-
12-52182	Light Tray Assembly	-	1
01-52053	Power Cord	1	1
12-52179	Prefilter Cover	1	-
12-52187	Prefilter Cover	-	1
08-50221	Pressure Switch	1	1
12-52186	Sash Assembly	1	-
12-52185	Sash Assembly	-	1
06-50318	Sash Hinge	4	4
06-52004	Screw ¼-20x1 Polypropylene	2	-
06-51959	Screw ¼-20x1 Polycarbonate	2	2
11-50312	Touchpad	1	1

OPTIONS

Cart Instructions

AIRCLEAN® SYSTEMS CART ASSEMBLY INSTRUCTIONS

Model ACA1029 and ACA1041

Your AirClean® Systems Cart is shipped with the following components:

- 4 – Cross pieces
- 2 – End pieces
- 4 – 3/8" washers (hood bolt washers)
- 8 – 2 1/4" x 1/4" Phillips head bolts (cross piece bolts)
- 8 – 1 1/4" washers (cross piece washers)
- 4 – 1 3/4" x 1/4" Phillips head bolts (hood bolts)
- 4 – Casters (2 locking and 2 standard)

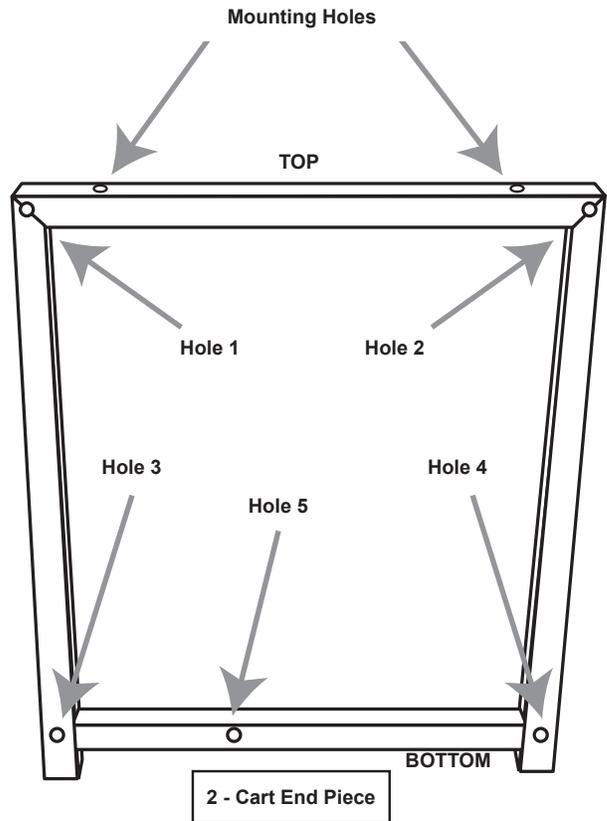
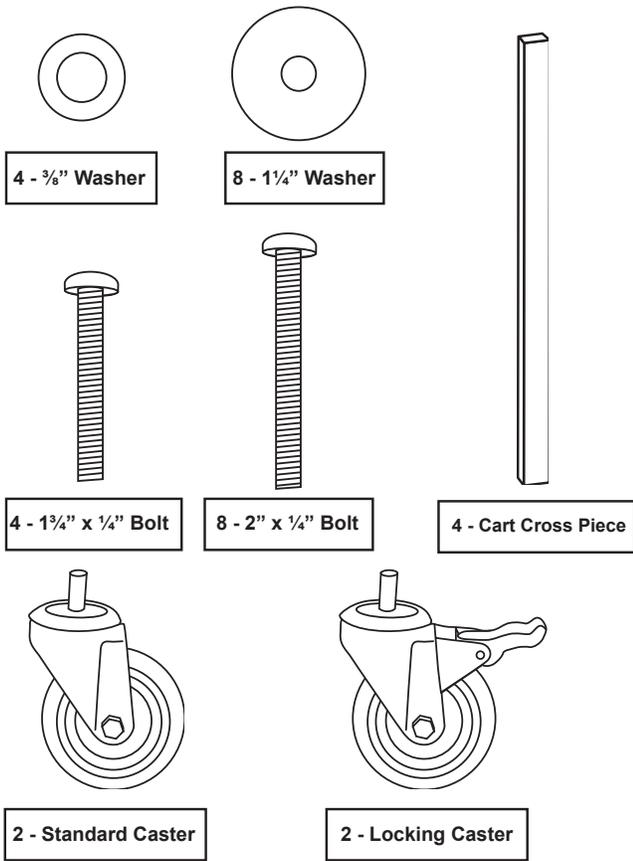
ASSEMBLY

1. To connect the end pieces to the four cross pieces:
 - a. Position the end pieces so the small hole on the leg for the Phillips head bolts face inward.
 - b. Place 1 of the 3/8" washers on a 2" Phillips head bolt.
 - c. Insert the bolt and washer through the top hole of the right front leg of the end piece. Position the cross piece and screw the bolt into the crosspiece.
 - d. Repeat the procedure for the back leg of the right end piece.
 - e. Repeat for the front and back legs of the left end piece.
 - f. To connect the bottom cross pieces, insert bolts into bottom holes and screw in bolts.
NOTE: For more foot access in the front, screw the cross piece into the second hole from the bottom on the front-end piece legs.
2. To attach the casters, thread the casters into the end piece legs. The two locking casters normally are located in front. **Hand tighten only!**
3. To mount your AirClean® Systems ductless enclosure to your cart:
 - a. Locate the threaded inserts in the corners on the bottom of your hood.
 - b. Place hood on cart and align the holes in the hood to the holes in the top of the end pieces.
 - c. Place 1 of the 1 1/4" washers on each Phillips head bolt to ensure correct spacing. Insert bolt and washer into a hole in the end piece and screw in the bolt into the hood. Repeat procedure for remaining connections.

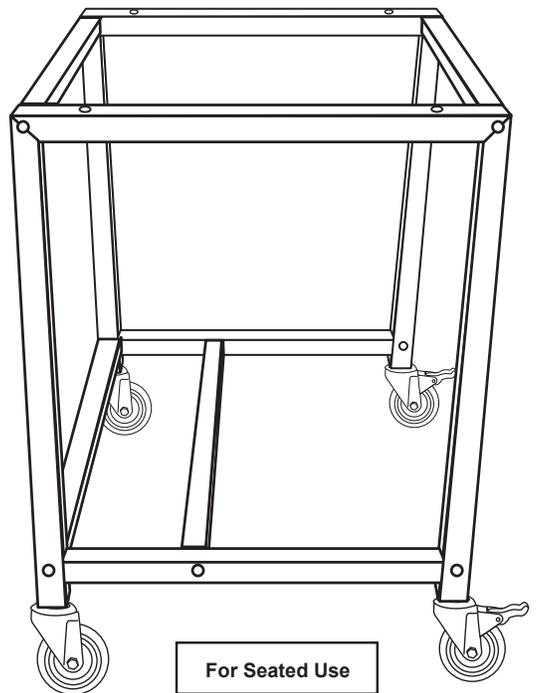
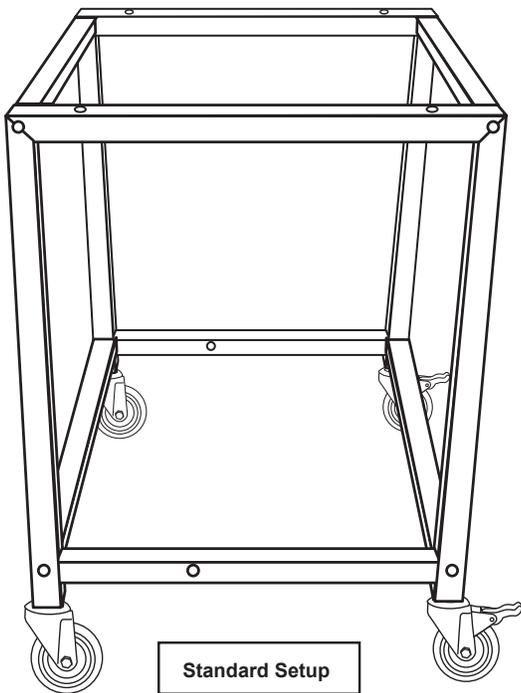
CAUTION: DO NOT OVER-TIGHTEN! OVER-TIGHTENING WILL PULL THE THREADED INSERTS OUT OF THE POLYPROPYLENE BASE.

Your AirClean® Systems Cart is now ready for use!

CART COMPONENTS



ASSEMBLED CART CONFIGURATIONS



WARRANTY

AirClean® Systems is committed to providing our customers with quality equipment and service after the sale. We, therefore, request that you take a moment to fill out the Warranty Registration Card so that we may know your location as well as some of the reasons that prompted you to purchase our product. *To activate the limited warranty on your product, please complete the Warranty Registration Card attached with your shipment, and return to AirClean® Systems.*

AirClean® Systems 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 AirClean® Systems products will expire one year from date of shipment from AirClean® Systems, except the following:

- DrySafe™ Forensic Evidence Drying Cabinets carry a two-year warranty from date of shipment.
- CyanoSafe™ Cyanoacrylate Fuming Chambers carry a two-year warranty from date of shipment.

This limited warranty covers parts and labor, but not transportation and insurance charges. In the event of a warranty claim, contact AirClean® Systems or the dealer who sold you the product. If the cause is determined to be a manufacturing fault, the dealer or AirClean® Systems will repair or replace all defective parts to restore the unit to operation. Under no circumstances shall AirClean® Systems 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 accidental breakage is also not covered.

NOTE: Do not return any materials without authorization from AirClean® Systems. Products returned without prior authorization will not be accepted. AirClean® Systems and its dealers are not responsible for shipping damage. The recipient must file claims directly with the freight carrier. 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. AirClean® Systems reserves the right to refuse delivery of any products, which do not appear to have been properly cleaned and/or decontaminated prior to return. *Please refer to the “SHIPPING CLAIMS” section of this manual for added information.*

IMPORTANT: Locate Warranty Registration Card. Complete and return to activate the warranty on the enclosure.

SHIPPING CLAIMS

If a shipment is received with visible damage, 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 of delivery.

NOTE: Do not return any materials without authorization from AirClean® Systems. Products returned without prior authorization will not be accepted. AirClean® Systems and its dealers are not responsible for shipping damage. The recipient must file claims directly with the freight carrier. 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. AirClean® Systems reserves the right to refuse delivery of any products which do not appear to have been properly cleaned and/or decontaminated prior to return.

CONTACT INFORMATION

If you have any questions that are not addressed in this manual, or if you need technical assistance, please contact AirClean® Systems at 919-255-3220 or 800-849-0472 Monday-Friday 8:00 AM-5:00 PM EST.

AirClean® Systems mailing address:

AirClean® Systems
3248 Lake Woodard Dr.
Raleigh, NC 27604

Phone: 919-255-3220
Toll Free: 800-849-0472
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Email: info@aircleansystems.com

Visit AirClean® Systems on the Internet at:

Main website: <http://www.aircleansystems.com>
Medical website: <http://www.aircleansystems.org>
Forensic website: <http://www.aircleansystems.net>

<input checked="" type="checkbox"/> MODEL NO.	<u>SERIAL NO.</u>
<input type="checkbox"/> AC730C	AC730C_____
<input type="checkbox"/> AC740C	AC740C_____

AirClean® Systems
The Fume Control Experts.

Raleigh, NC 27604
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* Product designs are subject to change without notice.

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