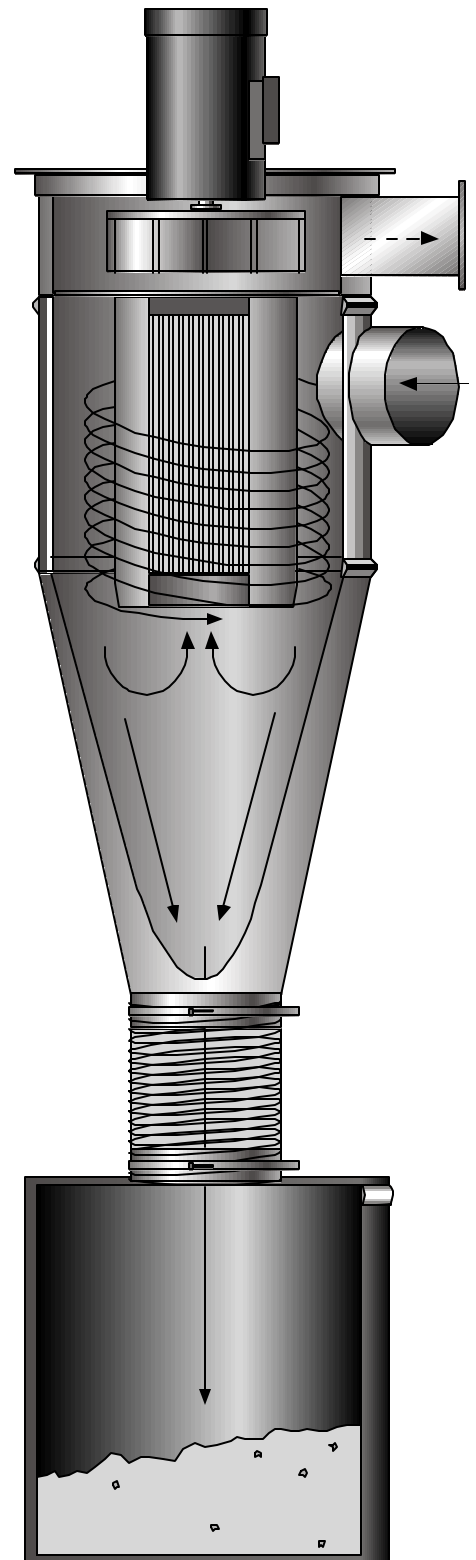


# 1.5 HP Component Cyclonic Dust Collectors\*

*\*Patented Design: U.S. Patent No. 5,746,795*

---

## Owner's Manual



Oneida Air Systems, Inc. 1001 West Fayette St., Syracuse, N.Y. 13204  
Phone 1-800-732-4065 315-476-5151 Fax 315-476-5044 [www.oneida-air.com](http://www.oneida-air.com)

# ***Thank You for Choosing an Oneida Air Systems Product!***

OAS manufactures and sells dust collection equipment only. Our qualified technicians and sales staff are available 7:30am - 6:00pm EST Mon. - Thur. and 7:30am - 5:00pm EST Fri. to answer any questions concerning OAS products and dust collection. Call for ductwork design and ductwork quotes, including system pricing and shipping cost.

***Read the entire Owner's Manual before installing or operating system!***

## **Table of Contents**

*Proudly  
Made in  
the U.S.A.*



### **Page**

I.	Component Configurations	2
II.	General Specifications	3
III.	Fan Performance Curve	3
IV.	Dimensions	4
V.	Bracket Assembly	5 - 6
VI.	General Assembly Instructions	7
VII.	Silencer Assembly	10
VIII.	Noise Reduction	10
IX.	Wire Diagram	11
X.	Filter Maintenance	12
XI.	Options	13
XII.	Troubleshooting	14
XIII.	Fire Hazards - <i>Read Before Installing System</i>	15
XIV.	Terms and Conditions	16
XV.	Cleaning External Filter	17

# I. 1.5 & 2hp Component Configurations

**Motors must be protected from elements.**

## 1. No Filter - Vent Outside -

### Caution:

If exhaust air is vented outside you must provide make up / return air.  
Flue gases (carbon monoxide) can be drawn into the shop from furnaces, water heaters or other appliances.

## 2. Internal Filter -

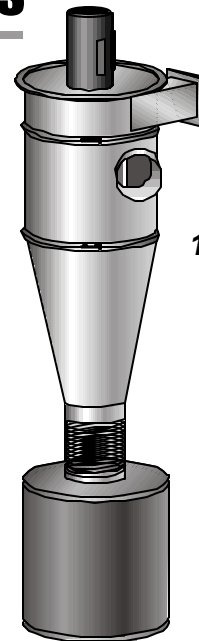
- Smallest Footprint- Shops with space constraints
- 50 Sq. Ft. Cartridge

## 3. External Cartridge Filter -

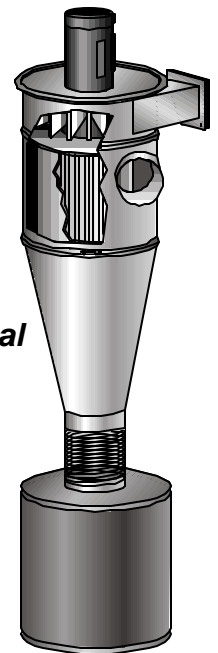
- Small Footprint - Larger 80 Sq. Ft. Cartridge
- Removable Dust Pan for easy cleaning
- Included Internal Silencer

## 4. External Tube Filters -

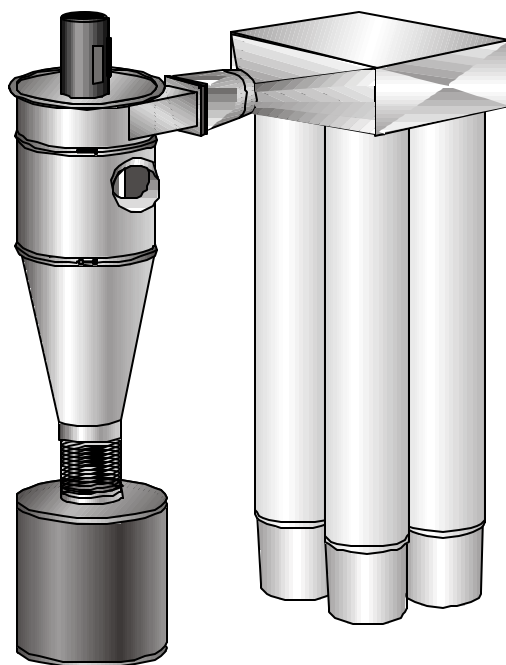
- Bigger Footprint
- Economical, build your own plenum
- Unlimited square footage.
- Least maintenance



1. No Filter



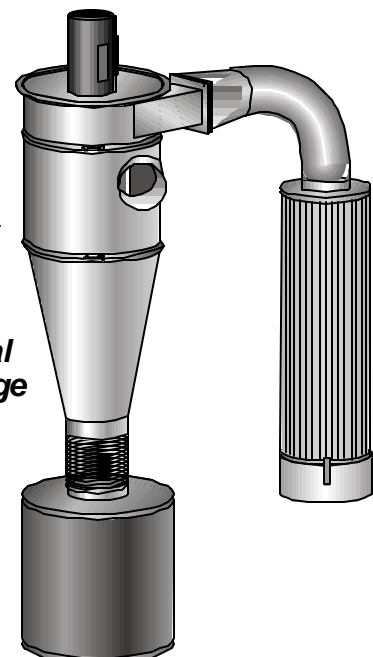
2. Internal Filter



4. External Tube Filter



3. External Cartridge Filter



## II. General Specifications

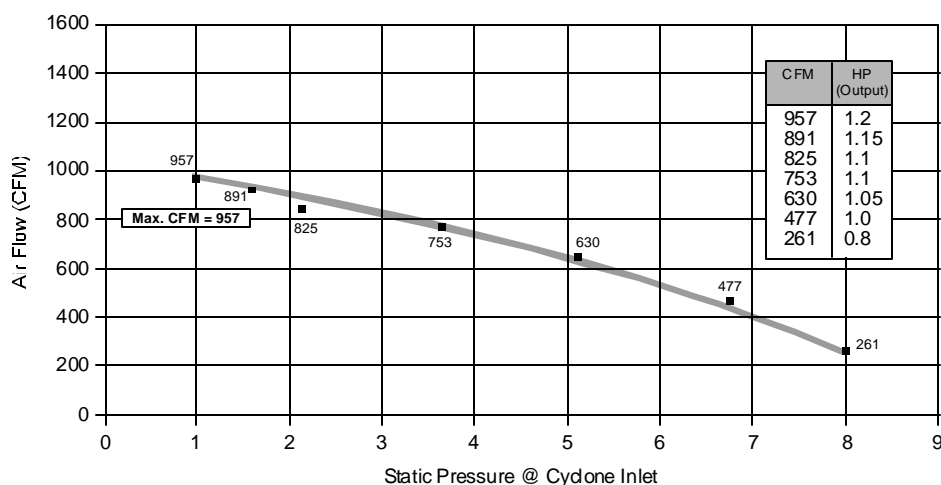
	Height without Dust Bin	Cyclone Diameter	Inlet Diameter	Weight without Dust Bin	TEFC Motors
<b>1.5 hp</b>	59.5"	18"	6"	Approx. 131 lbs. with filter	SF 1.15 110v / 220v 17 / 8.5 amps

- Sleeve kit adds 4"
  - 35 gal. bin is 22" dia. x 22.5" h / 55 gal. bin is 22" dia. x 34.5" h
  - Several Filter Options Available- Galvanized steel construction
  - The collector can be hung on the wall, from the ceiling, or free standing support using the 11 ga. angle iron ring at the top
- (See assembly instructions)

## III. Performance Curve

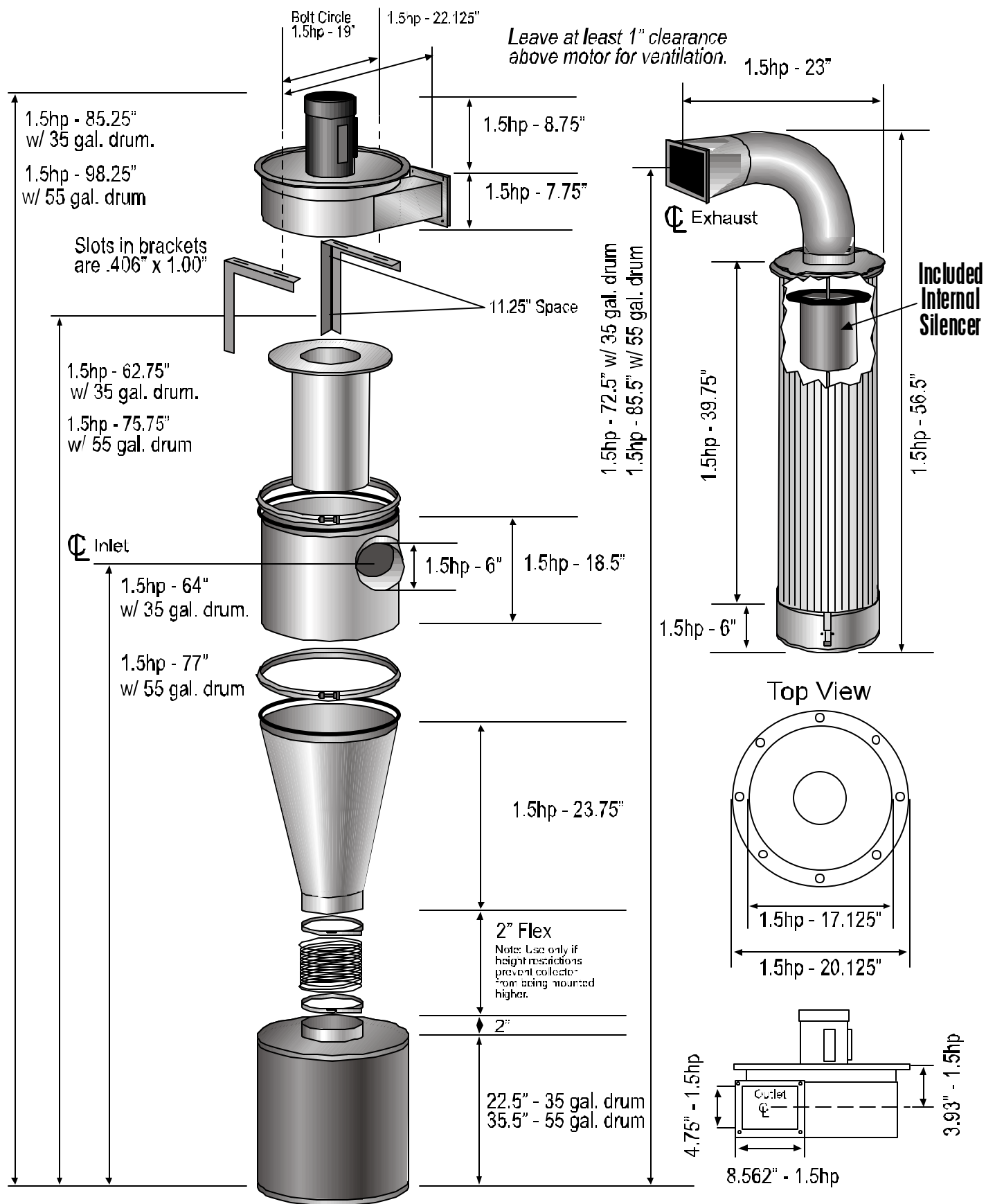
Static pressure and volume together determine a fan's performance. Several factors, such as layout of ductwork and diameter of openings, can affect a fan's performance.

**1.5hp**



# IV. Dimensions

## For Minimum Mounting Heights



# V. Bracket Assembly - 1.5hp

1. You must determine the direction the fan outlet will point to proceed with this mounting assembly. The collector will seem quieter if the outlet is aimed away from the area people tend to work. However, do NOT aim it directly into a wall close to the collector, as air flow may be restricted.

Make sure there is at least 3" of space between the outlet and the walls.

Slots in the brackets are .406" x 1.00"

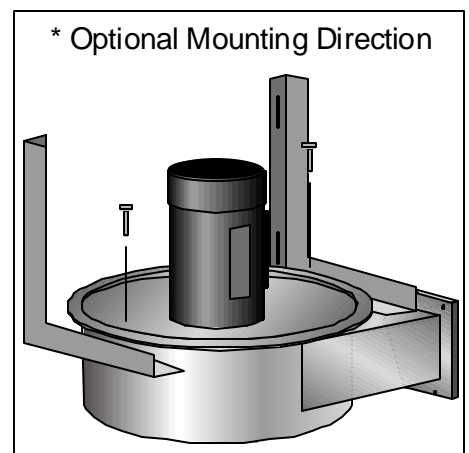
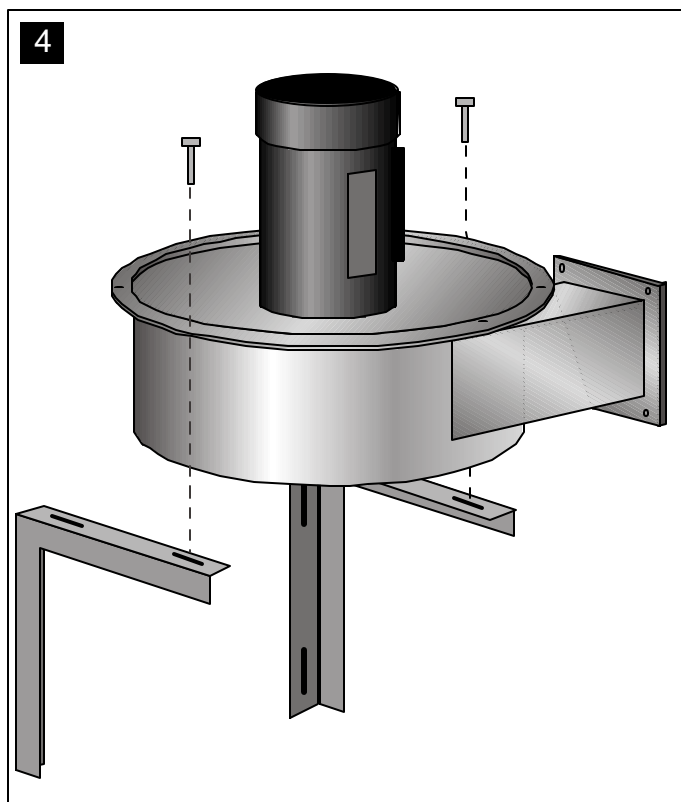
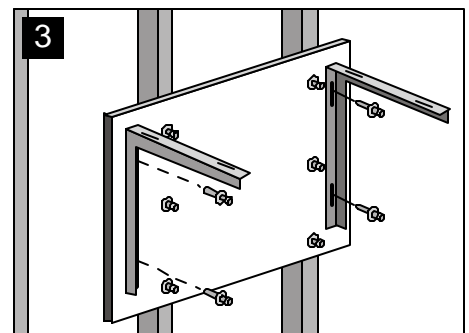
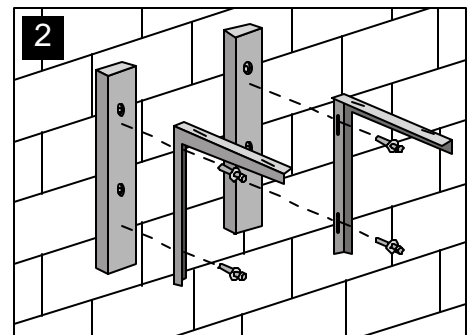
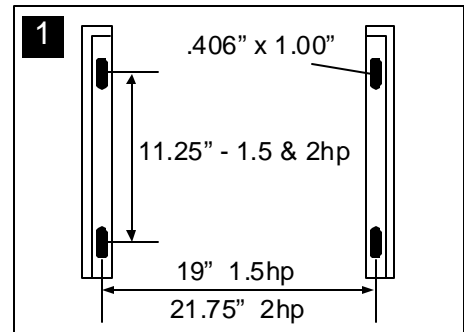
Note: Bolts included to mount bracket to collector. Hardware NOT included to mount to wall.

2. Mount wall bracket. For wall mounting, the bolt center on the left bracket will be 19" from the bolt center on the right bracket for the 1.5hp unit and 21.75" for the 2hp unit. See Fig. 1.

3. Attach vertical arm of each bracket to wall with lag screws, concrete anchors, or other suitable hardware. See Fig. 2 & 3.  
*Note: When installing the brackets on a concrete wall, mount 2 x 4's between wall and brackets to stabilize and dampen vibration.*

4. Position Angle Ring holding the fan housing over bracket. Line up one hole in Ring with hole in each bracket at desired rotation of outlet (two holes on each side will not line up). If rotation you desire does not correspond to an existing hole in Angle Ring, drill new ones. See Fig. 4.

6. Attach tightly with bolts. See Fig. 4.



**Note: Please do not install an Oneida Dust Collection System alone. Competent assistance is advisable. Units are heavy!**

# Bracket Assembly - 2hp

1. You must determine the direction the fan outlet will point to proceed with this mounting assembly. The collector will seem quieter if the outlet is aimed away from the area people tend to work. Slots in the brackets are .406" x 1.00"

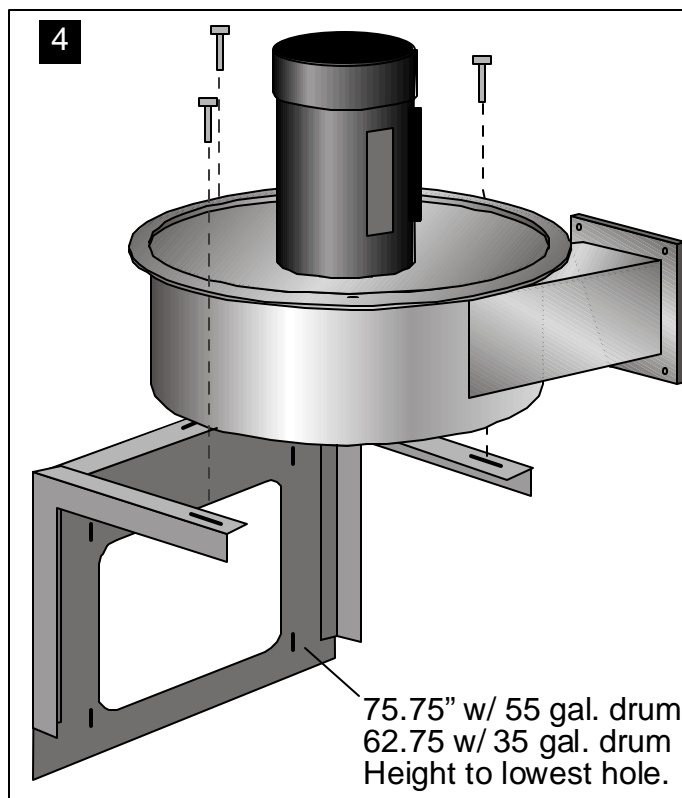
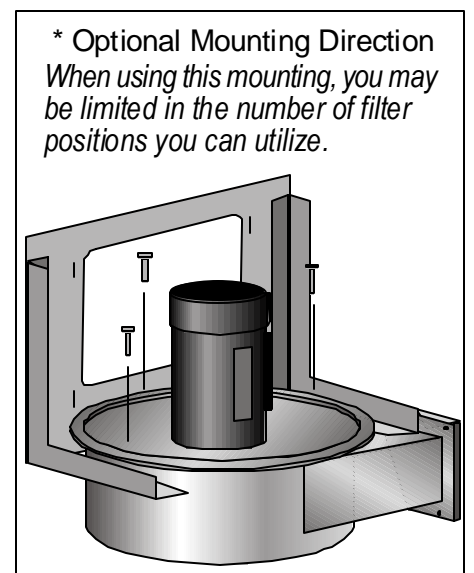
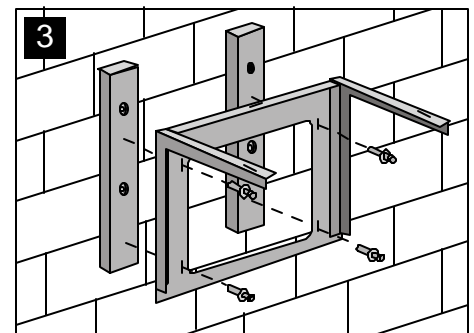
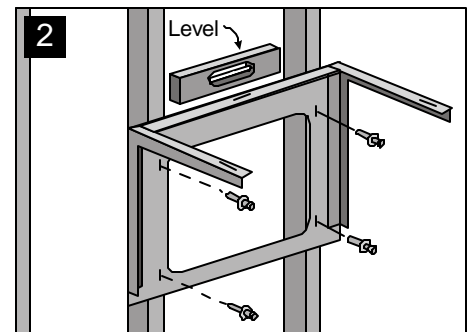
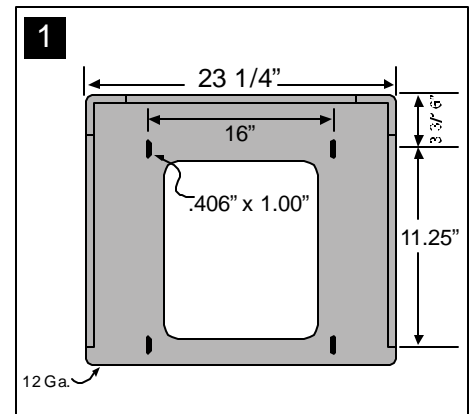
Note: Bolts included to mount bracket to collector. Hardware NOT included to mount to wall.

2. Mount wall bracket. For wall mounting, the bolt centers on the brackets are at 16" to accommodate most wall stud spacing. See Fig. 1 & 2. Use a Level to ensure straightness.

3. Attach bracket to wall with lag screws, concrete anchors, or other suitable hardware. See Fig. 2 & 3. *Note: When installing the brackets on a concrete wall, mount 2 x 4's between wall and brackets to stabilize and dampen vibration.*

4. Position Angle Ring holding the fan housing over bracket. Line up one hole in Ring with hole in each bracket at desired rotation of outlet. If rotation you desire does not correspond to an existing hole in Angle Ring, drill new ones. Use three 3/8" bolts (included) with washers & lock washers to secure the fan. See Fig. 4.

6. Attach tightly with bolts. See Fig. 4.



**Note: Please do not install an Oneida Dust Collection System alone. Competent assistance is advisable. Units are heavy!**

# VI. General Assembly Instructions - All Models

**Wiring should be done by a certified electrician!**

1. Wire motor\* for 110V or 220V according to wiring diagram on page 7. Use a 12 gauge cord rated for a minimum of 20 Amps. Make sure the cord you use is rated for the same power as the motor. (See *Wiring diagram* section)

2. Secure fan assembly to Wall Brackets (See Assembly page.) Attach cyclone barrel to Fan Assembly with clamp ring making sure top of barrel has rubber gasket.

3. **For Internal Filter Models:** Check to make sure the filter is firmly seated and the wing nut is in place. Inspect the gasket between the cyclone cone and barrel of the collector. Make sure that the gasket does not have any tears or gaps. Filter cartridge is suspended with threaded rod and wing nut inside Vortex Tube. See Fig. 2.

4. Attach the cone to the barrel with the metal clamping ring. Lightly tighten the ring bolt. It is important that there is no air leakage between the cone and barrel of the collector. There should be a black rubber seal between the cone and barrel. See Fig. 3.

5. Attach flex hose to bottom of collector and to lid of dust bin. Securely fasten hose clamps. There must be an air tight seal between the collector and dust bin. See Fig. 4.

6. Make sure the dust bin lid sits securely and the rubber gasket on the bin lid is in place on the barrel. Maintain an air tight seal between cyclone and dust bin to prevent motor from overloading.

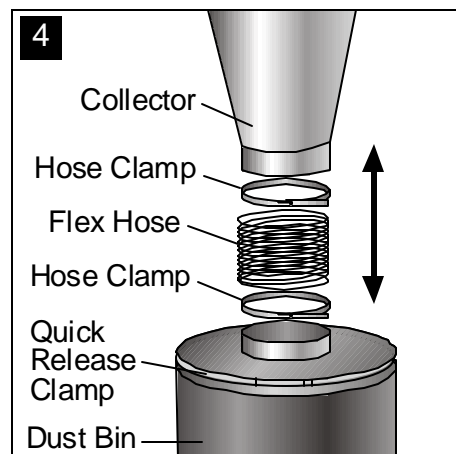
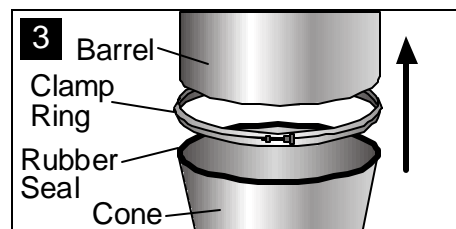
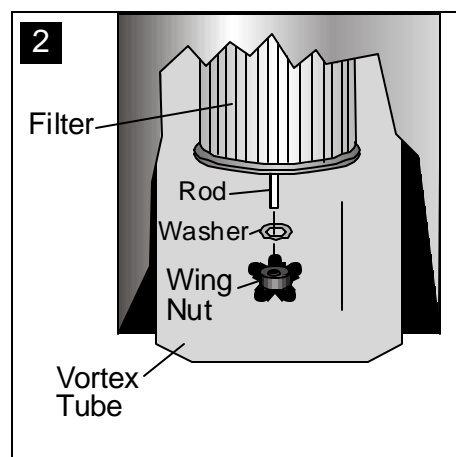
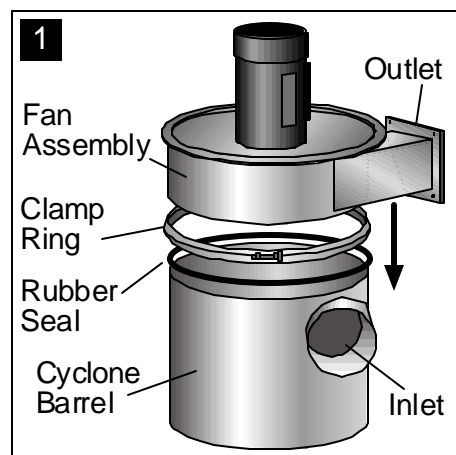
## **IMPORTANT:**

Do not operate the collector until the dust bin is in place and the connector is air tight or motor damage could result!  
**Stay clear of fan exhaust while collector is operating.**

7. Attach the ductwork from the woodworking machines to the inlet of the collector.

8. **For External Cartridge, Tube Filter or No Filter models** see following pages.

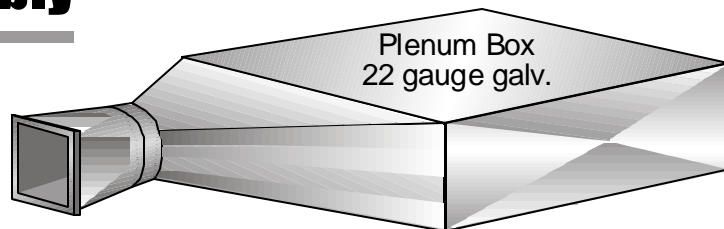
9. On external filter models, attach Filter Plenum Assembly or External Cartridge Assembly with 4 bolts. See *Filter Assembly Section for details*.





# External Filter Bag Assembly

1. Connect the plenum to the fan / blower outlet with the bolts provided. Band clamp tube filters to the Ring Thimbles on the bottom of the plenum and to the tops of the 5 gal. buckets.



## Build your own plenum

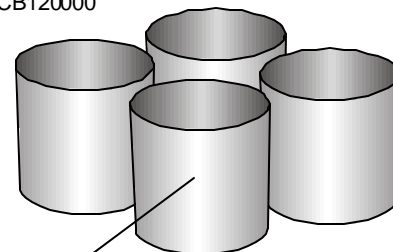
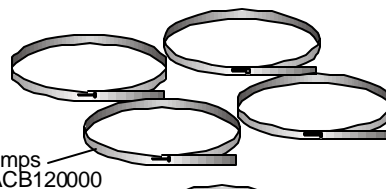
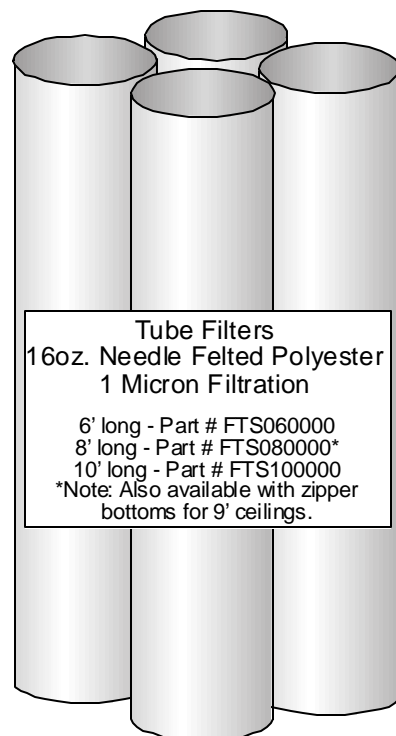
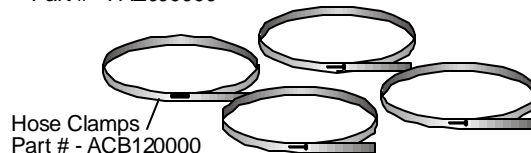
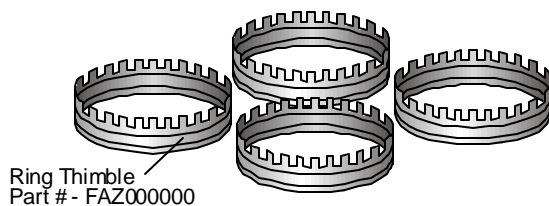
Plenum box can be constructed of plywood or metal. Oneida Air Systems sells 22 gauge galv. plenum boxes. The filter medium is a 16 ounce polyester felt which has been singed inside to help release caked dust.

For the tube style filters, a 12" dia. ring thimble (Part # FAZ000000) is needed for each filter. The plenum box and the ring thimbles are suspended above the floor at a height that will allow for a 5 gallon plastic bucket and tube filter to fit properly underneath.

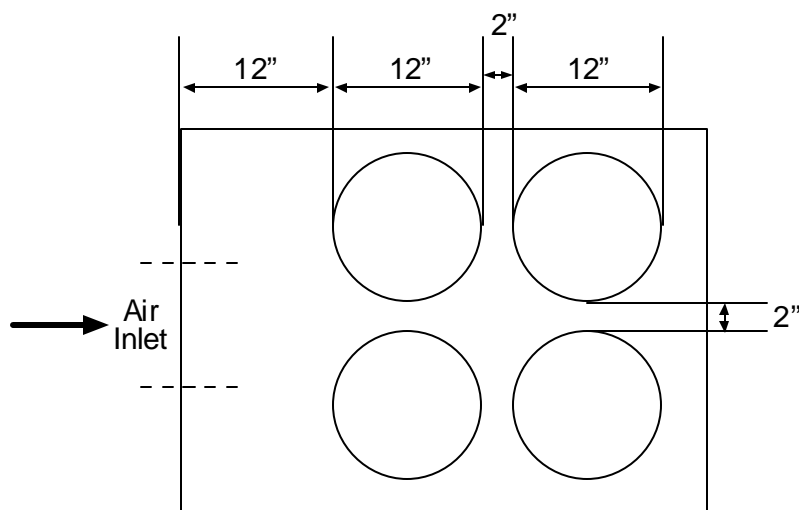
A well sealed plywood box will make a good plenum for air distribution through the tube filters. Use plywood for the plenums. Cut 12" dia. holes in the bottom of the box (spaced 2 - 3" apart), so that the ring thimbles fit snugly. The rings should not be able to slide through the holes. Bend tabs on Ring Thimble over then apply duct sealant or caulk around the edge of the ring thimble. Use sheet metal screws to secure.

Be sure to remove any sharp edges from the bucket or ring thimble that may abrade the filter. Slide the filter over the thimble past the raised bead. Secure with a band clamp. Slide the bottom of the filter over a five gallon plastic bucket. Secure with a band clamp or strong bungee (shock cord). Be sure filter is not loose or moving around when the system is on. This could lead to wear on the filter.

With the use of a cyclone pre-separator, the buckets will not need emptying very often, but do need to be checked occasionally. Simply lift the bucket, the weight will indicate how full the bucket has become.



5 gallon buckets 12" high (Not supplied with system). Can be purchased, Part No. SDS050000 or recycled joint compound buckets or food storage containers can be used.



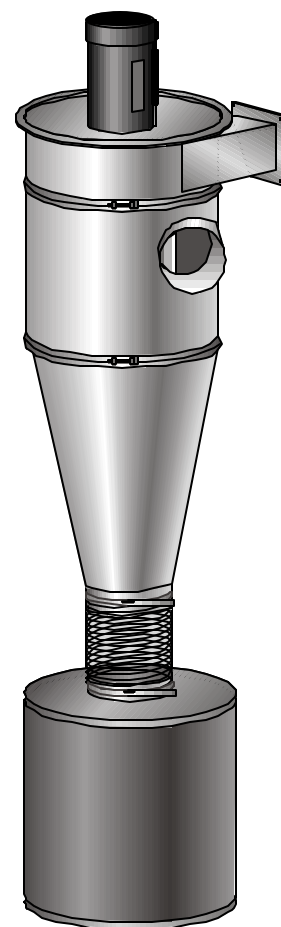
Plenum box height - 12" min.  
Use 3/8" or thicker plywood.  
Seal plenum box with silicone.

# No Filter Assembly

1. Exhaust air to exterior of building. Mount directly at the hole in exterior wall or use a square-to-round transition and ductwork to vent air to exterior.

## Caution:

If exhaust air is vented outside you must provide make up / return air. Flue gases (carbon monoxide) can be drawn into the shop from furnaces, water heaters or other appliances.



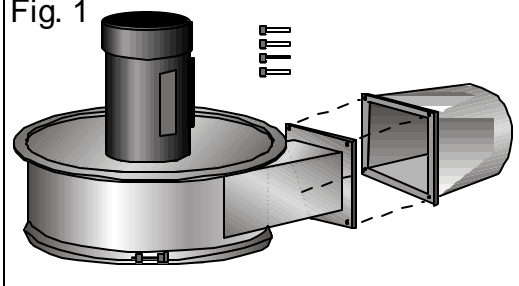
# External Filter Assembly

**\*Silencer Included.**

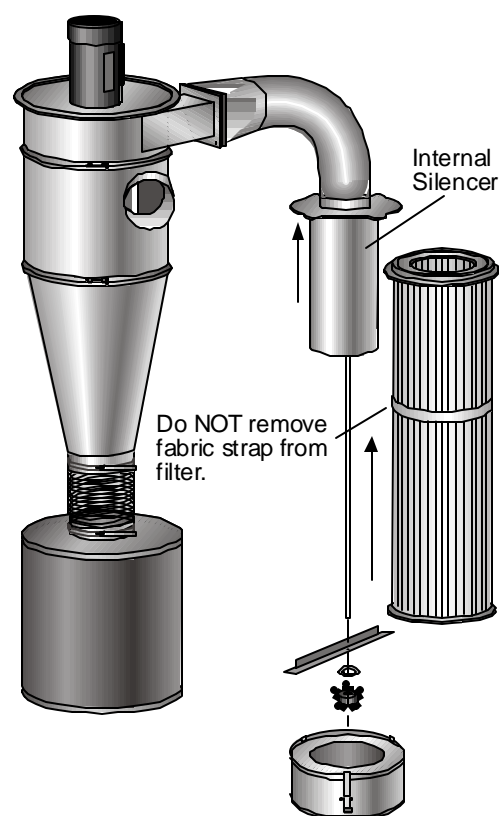
1. Attach cartridge with four bolts provided. See Fig. 1
2. If Filter requires additional support. Use the plate at the top of the filter to support the filter assembly.

Note: If filter cartridge is located away from the cyclone and motor, additional square-to-round connectors and pipe can be purchased.

Fig. 1



Before attaching filter, you must first **carefully** pull foam silencer on to end of plenum, pushing black plastic end against flange plate. It is a tight fit.



# VII. Optional Silencer Assembly

## Internal Filter Model

1. Position fan housing outlet so that there is room for silencer along the wall when the collector is mounted on the brackets. See Fig. 1.

2. Add the square-to-round transition, followed by the silencer. Use #8, 1/2" sheet metal screws or 5/32" aluminum pop rivets to secure Silencer to square-to-round. See Fig. 2.

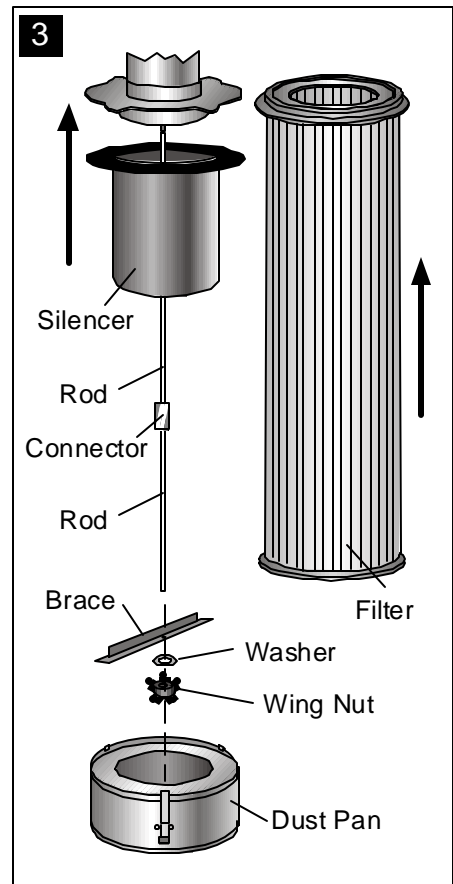
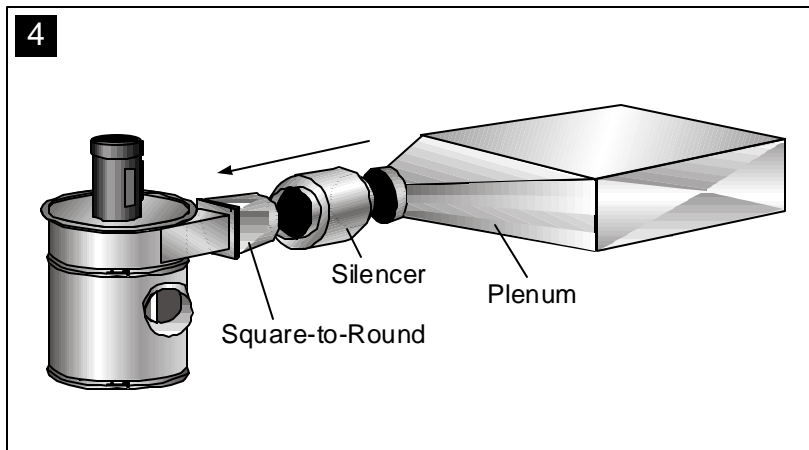
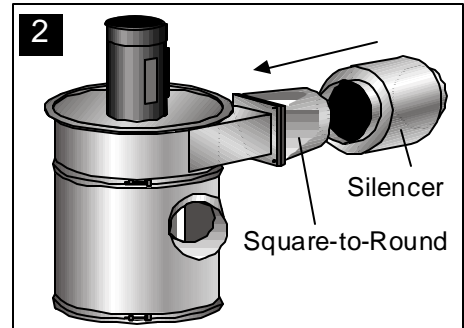
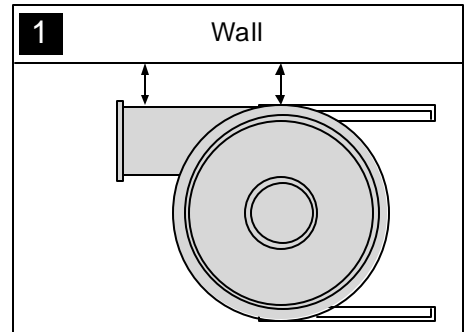
## External Cartridge Filter Model

Silencer included with External Cartridge Filter. See Fig. 3.

## External Bag Filter

1. Add the square-to-round transition, followed by the silencer. Use #8, 1/2" sheet metal screws or 5/32" aluminum pop rivets to secure Silencer to square-to-round. Then attach to Plenum. See Fig. 4.

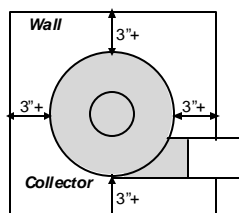
*Note: Plenum will require additional support. Use brackets or duct straps to hang it from the ceiling or wall.*



# VIII. General Noise Reduction

## Enclosing the Collector

- Collector can be located in a closet or adjoining room
- Return air must be provided between the two spaces. Return air grill must be a minimum of 2 Sq. Ft.
- When enclosing the collector, leave a 3" air space around the entire unit.
- Do NOT block or restrict air flow.
- Restricting exhaust air will result in poor dust pickup at your woodworking machines.



Before attaching filter, you must first **carefully** pull foam silencer on to end of plenum, pushing black plastic end against flange plate. It is a tight fit.

## IX. 1.5 Hp Wiring Diagram

*Use wiring diagram on motor plate if different from below.*

***Wiring should always be done by a licensed electrician!***

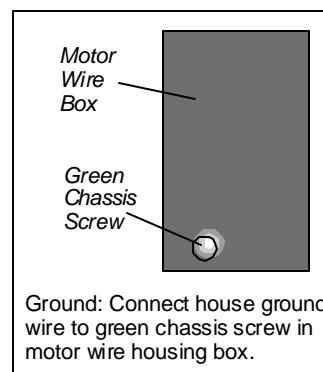
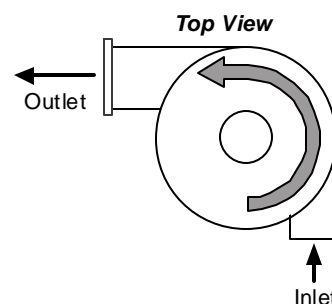
- Electrically insulate all connections.
- For counter-clockwise rotation, looking from top of motor down.

### High Voltage 220V - 8.6 Amps

- P1 — Power Line 1\*
- P2 — Tape Off (not used)  
Important: This lead must be insulated with a wire nut and tape.
- T2 > Tie together and insulate with  
T3 > a wire nut (do NOT connect to  
T8 > any house wiring)
- T4 > Power Line 2\*  
T5 >

### Low Voltage 110V - 17.2 Amps

- P1 — Power Line 1\*
- P2 > Tie together and insulate with  
T3 > a wire nut (do NOT connect to  
T8 > any house wiring)
- T2 > Power Line 2\* (Neutral)  
T4 >  
T5 >



**\* Power Line 1 and 2 are interchangeable**

**\*\* No neutral required for 220V hook-up**

*Note: Motors are thermally protected. They switch off when over-heated, and will turn on when motor cools off.\**

*\* Check motor plate - Not all motors have thermal protection.*

# X. Filter Maintenance

## Internal Filter Cartridge Cleaning Intervals

Determine cleaning intervals based upon the size of the material collected.

- Planer, joiners, and saws - approx. 40 to 50 hrs.
- Sanders, with fine grit - approx. 5 to 10 hrs.
- Filter cleaning will vary

### Cleaning Cartridge Filter

To clean filter media, disconnect the cone from the barrel. The pleated filter is held in place with a wing nut and a threaded rod. Unscrew the wing nut supporting the filter. Gently lower filter down and out of barrel. Tap cartridge on metal edge on floor or inside a garbage can. Vacuum pleats. Blow off with compressed air, holding nozzle at least 6" away from filter pleats.\*

Filter does not have to be completely clean.

Filter can also be lowered into a plastic bag and then rolled and tapped on the floor to remove dust from pleats.

**See included sheet for detailed instructions.**

### Replacing the Cone

Close all of the blast gates. Lift the cone up and turn on the collector positioning the cone in place. The suction of the collector can hold the cone in place while you refasten the band clamp around the barrel and cone of the collector.

Internal cartridge should be replaced every 2 - 3 years depending on use. If heavy fine dust is produced, filter may have to be replaced more often.

## External Filter Cartridge Cleaning Intervals

When unit is turned off, use compressed air to blow dust off from exterior of filter. Hold nozzle at least 8" away from filter pleats\*. Do not remove bottom dust pan before or during the blow-off process! Let dust settle into dust pan. Unclip and dump out dust. Filter removal is not required. You can also run your fingers around the filter pleats to knock material down.

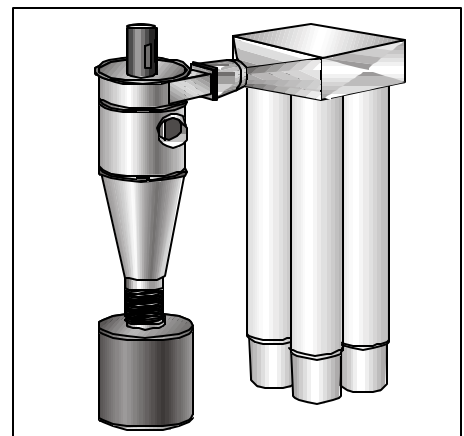
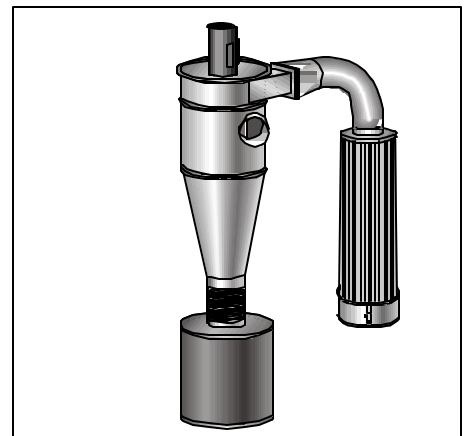
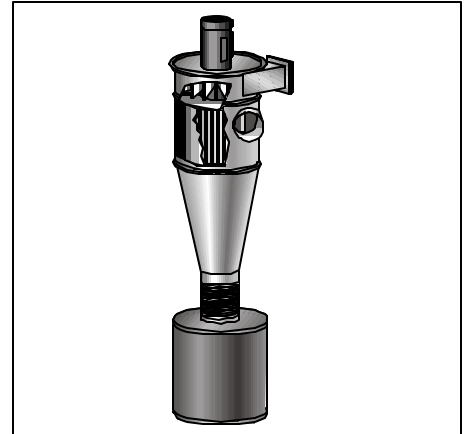
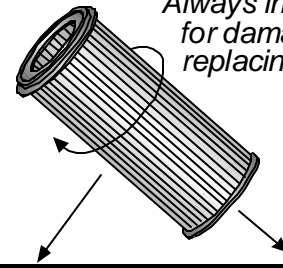
**See included sheet for detailed instructions.**

## External Filter Bags

Tap or gently shake filter periodically and let dust settle into the 5 gal. buckets. Lift buckets to determine how full buckets are. Empty dust from buckets.

\* **WARNING:** A close, direct blast with the compressed air nozzle too close to filter, may damage filter media. Always wear safety glasses while blowing off filter.

*Always inspect filter for damage before replacing into unit.*

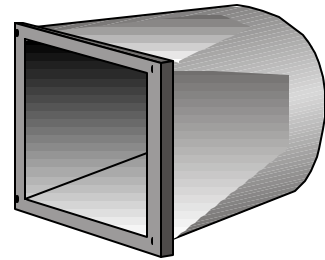


**Caution: Fine dust collected in filter is hazardous to your health! Do not breathe!**

# XL Options

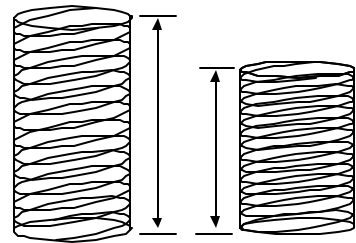
## Square-to-Round

For all models. Converts the flanged rectangular outlet to a 7" dia. round. Required when adding a silencer.  
Part # - BQX207001



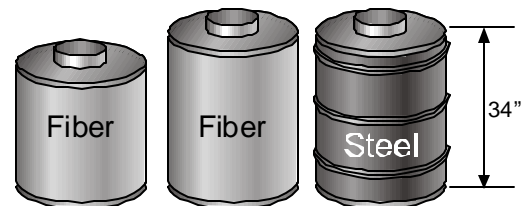
## Flex Hose

1.5hp - 7" dia. clear flex hose. Longer lengths can be purchased to accommodate different mounting heights.  
Part # - DHF070000



## Fiber or Steel Dust Bins

Fiber 35 gal. - 22" dia. x 22.5" high Part # - SDS350000  
Fiber 55 gal. - 22" dia. x 35.5" high Part # - SDS550000  
Steel 55 gal. - 23" dia. x 34" high Part # - SES550000  
Steel Drums are weather resistant.



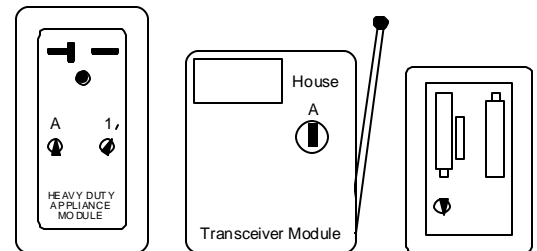
*Our stock drums range from 34" to 35 3/4".*

## Remote Control Switch

The system is easy to install. The relay plugs into the 220v outlet between the outlet and the collector. (This activates the dust collector.) The Transceiver receives the signal from your hand-held Transmitter and sends the signal to the relay and is plugged into any 110v outlet in your shop that is on the same service as the collector. Extra Transmitter available.

Note: The customer will need to run a 220 cord and plug to the system. It does not come pre-wired.

Part # - AWX220000 Extra Transmitter - Part # - AWT220000



## Stand - 1.5hp

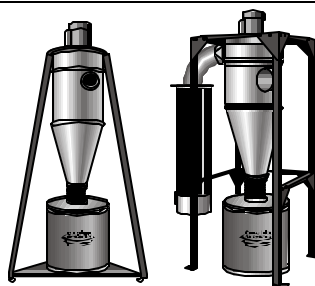
Angle iron tripod stand with roll casters

35 gal. - 87.25"h x 46.5"w

55 gal. - 99.25"h x 46.5"w

Part # - STZ000000 (1.5 part #)

Part # - STZ000035 (1.5 w/ 35 gal.)



Angle Iron Stand

35 gal. - 87.25"h x 46.5"w

55 gal. - 99.25"h x 46.5"w

## XII. Troubleshooting

### Unplug unit before servicing or cleaning.

*The motor's internal circuit breaker will trip if the motor is overheating.\**

### Motor Overheating

#### Caused By:

Air leaks between the collector and dust bin

- The lid of the dust bin must be in place and sealed when operating the dust collector.
- Make sure flex hose is not torn and the hose clamps are tight.
- Check drum lid; cover should have a foam seal and be well seated.
- Check for holes or leaks in the dust bin barrel.
- Check motor rotation - See wire diagram

Motor not properly wired. Check wire connections. (See wire diagram )

Check breaker box. Make sure power supply is 110V if wiring 110V or 220V if wiring for 220V.

**Note:** You can NOT wire the fan for 220V if you only have a 110V circuit. Motor damage will result.

### Poor Dust Pick-Up at Woodworking Machines

#### Caused By:

**Improper motor rotation - Running backwards will reduce suction by 30%.**

Check length of duct runs and duct diameters compared to ductwork design guideline.

Make sure all ductwork is sealed. Large air losses will occur even through small cracks in the ductwork. Use silicone, duct tape or duct mastic compound as a sealant.

Check for air leaks between collector and dust bin.

Close all unused blast gates at your woodworking machines.

Examine hood design for weaknesses.

Check for a restricted pipe, too small a hood port or too small a branch line. See branch line diameter chart in ductwork guide.

Be sure that your filter is clean. See filter cleaning directions.

### Filter Clogging

#### Caused By:

Large chips clogging the filter

- Check for a leak in the dust bin, flex coupling or lid. Check for split or torn flex coupling. (See also: Motor Overheating Section above)
- Make sure dust bin has not over filled. Dust bin should be emptied before the dust reaches top of the container.
- Interruption of air flow, such as vacuuming chips with a flex hose connection, will increase filter maintenance.

Fine dust clogging the filter

- Air flow to the collector may be restricted. The collector needs the equivalent of at least a 4" diameter cross-section open to allow adequate air volume and speed for pre-separation in the cyclone stage of the collector. If you are using a woodworking machine with only one 2" diameter dust port, partially open another blast gate to compensate.
- Check for excessive elbows at cyclone inlet.
- Sanding with 150 grit or higher paper will cause the filter to cake sooner. Check and clean the filter every 2 to 4 hours.

**Note:** If you continue to experience difficulty with your collector call Oneida Air Systems at 1-800-732-4065 for assistance.

*\* Check motor plate - Not all motors have thermal protection.*

# **XIII. Fire Hazards - Read Before Installing and Operating**

## **Oneida Collectors are designed for WOOD DUST only!!**

Wood shaping and cutting processes generate wood chips, shavings, and dust. These materials are considered combustible. Air borne wood dust below 420 microns in size (.017 of an inch) in certain concentration ranges when ignited can deflagrate (burn quickly).

An ignition source such as a spark, or ember, can ignite a dust mixture resulting in an expanding flame front, which can cause an explosion if tightly contained. A disturbance that raises a cloud of accumulated fine dust can raise additional dust clouds, which can cause a series of explosions that can level an entire building. *Until this type of fire has been witnessed, it is difficult to believe the devastation. This type of fire is rare but worth safeguarding against.*

The best way to avoid a wood shop fire is to keep the shop clean. A shop ankle deep in dust with layers of fine dust everywhere is an accident waiting to happen. A good dust collection system reduces overall fire hazards but also adds new concerns. A fire hazard is still present. Combustible material is now in the dust collector and storage container.

*The following points are worth heeding:*

- It is the buyer's responsibility to follow all applicable federal, state, local, OSHA, NFPA, or authorities having jurisdiction codes and regulations when installing and operating this dust collector.
- Fire Marshalls may want the unit located outside of the building. If the collector is located inside the facility, controls such as spark detection, suppression, or explosion venting may be required.
- Most local jurisdictions consult or adopt NFPA ( National Fire Protection Agency) codes. However, other codes may apply. Local codes may vary from jurisdiction to jurisdiction.
- NFPA 664 Code book, "Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities", applies to woodworking operations that occupy areas of more than 5,000 sq. ft. or to areas where dust producing equipment requires an aggregate dust collection flow rate of more than 1500 cfm (Cubic Feet per Minute). This exempts some small operators from the NFPA code 664, but other codes may apply in your jurisdiction. Consult your local Fire Marshall for help. Additional information can be found in NFPA Code Book 664.

*The customer assumes the responsibility for contacting their insurance underwriter with regard to specific application requirements of explosion venting or if additional fire protection and safety equipment may be required.*

- **Do not use this product to collect other types of dust or flammable vapors.**
- **Fire or explosion may occur!**
  - Never collect sparks from a bench grinder into a wood dust collector.
  - Never introduce sparks or sources of ignition into the dust collector.
  - Personnel should keep at least 20 feet away from unit.
  - Check dust bin frequently and before leaving the shop for smoldering material.
- **Keep portable Fire Extinguishers handy.**
  - The ABC type (dry chemical) is generally a good choice for small wood shops.
  - Additional information on portable extinguishers can be found in NFPA 10 (Standard for Portable Fire Extinguishers).
- **Be especially careful with sanding units.** They can produce concentrations of dust in the combustible range. Make certain enough air volume is at the suction point to capture all the particulate generated.
  - This high air volume will dilute the mixture below the lower limit of flammability. Be careful not to generate sparks into the sanding dust.
  - Empty dust bin and clean filter often, especially when sanding.
  - Don't overload woodworking equipment, especially sanders. Excessive frictional heat can spontaneously ignite dust.
- **Sparks can be generated in several ways:**
  - High-speed sanders and abrasive planers may strike foreign material
  - Saws and edgers may strike foreign material and create a red hot metal fragment.
  - Knots in hardwood can create frictional sparks.
  - Tramp metal when drawn into the collector can spark against ductwork.
  - Check wood stock for old nails and screws which can create red hot metal fragments.
- **Avoid using excessively large wood waste storage bins.**
- **Always check storage bins for smoldering material before leaving for the day.**
- **Electrically ground all equipment and ducting.** Static sparks can ignite wood dust. (Avoid using PVC drainpipe)
- **Don't allow accumulation of layers of fine dust on horizontal surfaces.** (Especially overhead lights, electrical boxes, and fuse panels which can ignite dust)

**Unplug unit before servicing or cleaning.**



# **XIV. Terms and Conditions**

---

## ***Checking in Order***

Please look over the shipped order very carefully in the presence of the delivery person for damage or incomplete shipment before signing the delivery receipt. Please note any tears or irregularities in shipping packaging, however slight, on the shipping delivery receipt. This could be an indication of extensive concealed damage. The shipping company will not take responsibility if the damage is not noted on the delivery receipt. In the event of shipping damage, call O.A.S. immediately so we can expedite replacements. Please check in all parts within 3 days from receiving order. Notify O.A.S. immediately of any missing or incorrect parts. O.A.S. does not accept any claims for damage or shortage after 3 days from date of delivery.

## ***Limited Warranty***

Oneida Air Systems warrants products it manufactures for a period of 2 years to the original purchaser from the date of purchase. Items not manufactured by O.A.S. are limited to their own manufacturer's warranties. This warranty does not apply to defects due directly or indirectly to misuse, negligence, accidents, abuse, repairs, or alterations or lack of maintenance. This is Oneida Air Systems sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. O.A.S. does not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall O.A.S.'s liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Oneida Air Systems shall be tried in the State of New York, County of Onondaga.

Oneida Air Systems shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our product.

Oneida Air Systems does not warrant or authorize use of wood dust collectors for other purposes. This includes wood products that are treated, coated, or otherwise altered from their natural state.

***\*Note: Motors should be protected from extreme weather to prolong motor life. Single phase motors should only be started and stopped up to 4 - 10 times per hour. Starting single phase motors more frequently can cause heat build up and can cause the motor overload to trip or cause motor damage. In general, motors should be started and stopped as little as possible for maximum lifespan and best economy (electrical use).***

## ***Delivery Risk of Loss***

Products will be shipped to Buyer's single destination. Title and risk of loss shall pass to the Buyer upon delivery to such destination. Buyer pays transportation expenses. Dates of shipment are advisory and O.A.S. will make reasonable efforts to ship on or before the date states for shipment, however, O.A.S. shall not incur any liability for failure to ship on that date.

## ***Returned Goods Policy***

Buyer must inform O.A.S. of any shortage or damage, by so noting in writing, on the freight delivery bill prior to signing to indicate receipt of shipment. All claims, including claims covered under the limited warranty, are subject to inspection and investigation by O.A.S.. O.A.S. reserves the right to inspect and investigate all returned products before Buyer's claim is settled. All products returned for a cash refund must be unused and resaleable. There are no refunds on flex hose or custom made components. *There will be a 25% restocking fee applied to any returned items.*

***Installing a dust collection system will greatly reduce airborne dust levels in your shop. However, NIOSH recommends that respirators must be worn if the ambient concentration of wood dust exceeds the prescribed exposure limit. If in doubt wear a NIOSH mask.***

## **XV. Directions for Cleaning External Filter**

*All steps should be done with a dust mask and eye protection.*

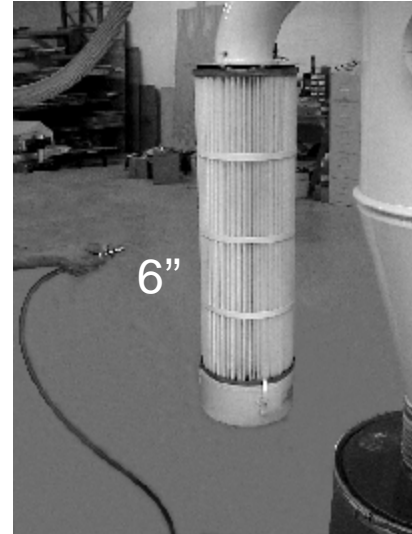
*The External Filter can be cleaned using the following methods:*

### **1. Compressed air from outside.**

Blast air along pleats of the filter at about a 20° angle. Blast air out and away from you or anyone in the general area.

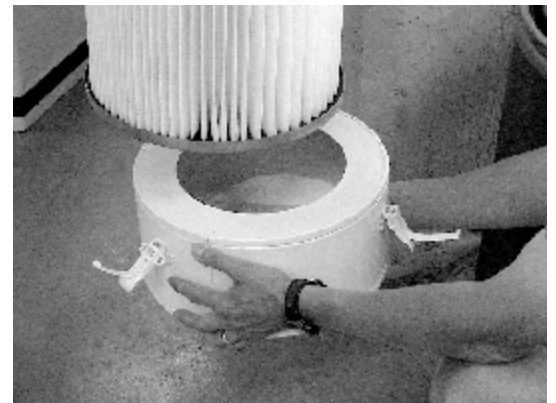
Keep air nozzle at least 6" from filter. Closer blasts may damage filter material.

Filter must be cleaned regularly or filter damage may result.



### **2. Empty Dust Bin.**

Wait a few minutes for internal dust to settle then unclip and carefully empty dust bin.



### **3. Rinse with water. (Optional)**

Keep nozzle at least 6" from filter and keep your pressure down. Closer blasts may damage filter material. Rinse off *INSIDE* of filter. Let filter dry completely before reuse or keep a spare filter on hand.

