



U.S. Patent # 7,282,074  
E.U. Patent Pending

1\_09



*Captures 99% of the dust before it reaches your shop vacuum. No filter clogging and no loss of suction.*



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## Plastic Dust Deputy Owner's Manual

**1.800.732.4065**

**[www.oneida-air.com](http://www.oneida-air.com)**

*Oneida Air Systems, Inc. was founded in 1993 to bring cost effective, state-of-the-art dust collection systems and material handling ductwork to woodworking shops. OAS designs and manufactures industrial grade dust collection systems that create a practical, safe and healthy work place environment.*

## 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. - Thurs. 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 assembling or operating system!**

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Oneida Air Systems, Inc. 1001 West Fayette St., Syracuse, NY 13204

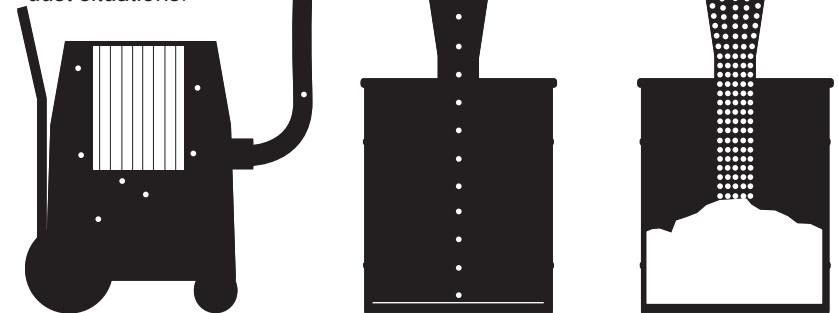
Ph. - 1.800.732.4065 or 315.476.5151 / Fax: 315.476.5044

## Adding Cyclones to Improve Performance

Top View



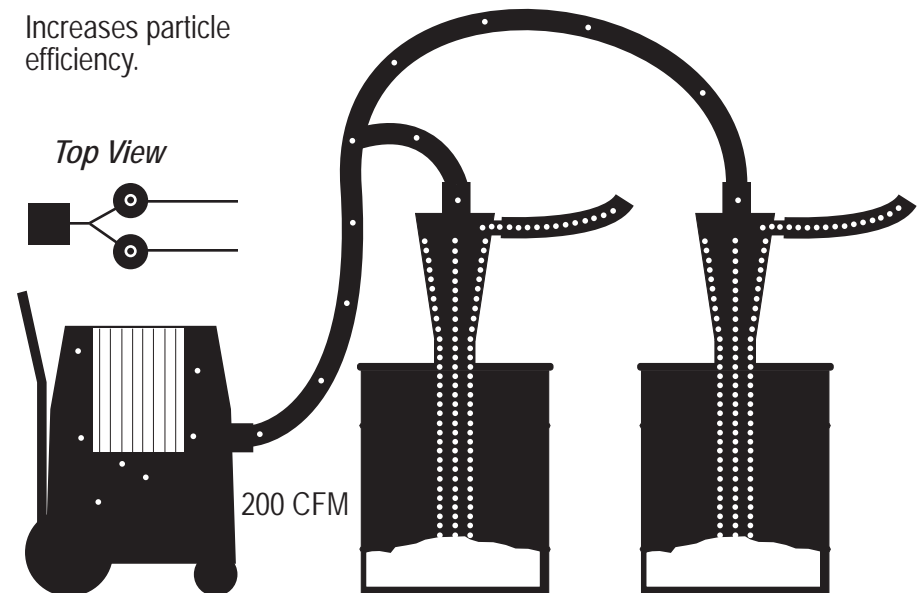
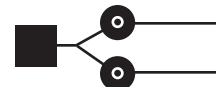
This arrangement may be useful for very fine dust situations.



### Attach in Series

Increases particle efficiency.

Top View



### Attach in Parallel

Same particle efficiency but increases CFM.

100 CFM

100 CFM

*Your arrangement is only limited by your imagination!*

## IX. Troubleshooting

- ▶ Dust Deputy not separating well. (Only a tiny amount of dust should reach the vacuum.)

*Air leak. Check cyclone flange / drum lid / barrel. Even small leaks will affect performance.*

- ▶ Low air volume.

*Vacuum filter clogged. Blockage in hose.*

- ▶ Material swirls in cyclone and won't drop down into drum.

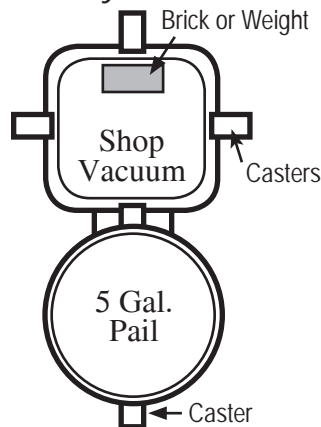
*Air leak in bottom of cyclone / drum lid or dust drum.*

*Large, bulkier material might swirl. Restart or temporarily cut off air flow to drop material down.*

## To Prevent Tipping Problems

*Some models of vacs with a short wheel base can become slightly unstable with the addition of a 5 gal. pail. To prevent this you can do the following:*

- ▶ Position one of the vac wheels directly under the 5 gal. pail to increase the center of gravity.
- ▶ Position a weight (eg. brick) on the opposite side of the vac from the 5 gal. pail to counter-balance the pail.
- ▶ Attach the 5 gal. pail to the vacuum and add a caster to the bottom of the pail for support and mobility..



## To Prevent Hose Pull Off

*The inlet and outlet of the Dust Deputy are shouldered and tapered to adapt to a range of vac hose sizes. If on your model the friction fit isn't as tight as needed you can do the following:*

- ▶ Wrap the inlet and outlet of the DD with a layer of electrical tape to increase the friction fit.
- ▶ Secure with a hose clamp.
- ▶ Secure with a sheet metal screw.

## I. System Start-Up Information

### Safety Instructions to be Strictly Followed.

Read the installation and maintenance instructions as well as the recommended safety practices in this manual before assembling and using the Dust Deputy.

- ▶ Do not vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- ▶ Do not vacuum, or use this Dust Deputy near flammable or combustible liquids, gases, or explosive dusts, such as gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, coal dust, magnesium dust, grain dust, aluminum dust, sugar dust, flour dust or gun powder.
- ▶ To reduce the risk of health hazards from vapors or dusts, do not vacuum toxic materials unless a HEPA filter is used. Do not use or store near hazardous materials.
- ▶ The Dust Deputy is made from static dissipating plastic. See grounding instructions.
- ▶ Wood dust mixtures are highly flammable and can be explosive. **NEVER** introduce sparks or sources of ignition into collector.
  - 1.) Use 10 gal. or smaller drum size.
  - 2.) Dump drum after each use.
  - 3.) Ground system. (See pg. 4)
- ▶ **NEVER** leave wood dust in a building or vehicle.
- ▶ Keep fire extinguishers handy at all times.

### WARNING / SAFETY

*Some dusts are highly flammable or explosive. Learn / know what you are dealing with. Follow all local, state, federal & NFPA codes and guide lines.*

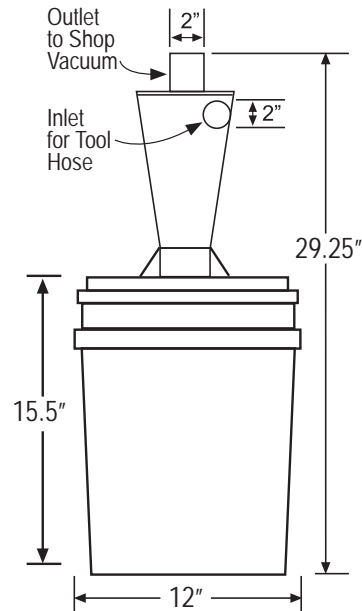
## II. Kit Contents



### Plastic Dust Deputy w/ Plastic Drum - AXD000004

- Drum Cyclone 11" Plastic (1) - VXC110002
- 5 Gal. Plastic Bucket (2) - SDS050001
- 5 Gal. Plastic Lid w/ Bolt & Center Holes (1) - SDX050001
- 2.5" x 4' Hose (1) - AXD250048
- 3" Angle Ring (1) - DFZ030000
- Gasket for Cyclone (1) - AXG000000
- Foam Block 2" x 3" x 6" (1) - AFF030306
- 3.5" Carriage Bolt (2) - AFB025350
- 5/16" Fender Washer (4) - AFW170000
- 3/4" Hex Head Bolt (6) - AFS015920
- 1/4" Whiz Lock Nut (8) - AFT000005
- Washer Flat 1/4" (6) - AFW025000

## III. Dimensions



## VIII. Terms & Conditions

### Fire Hazards and Codes

Warning! Explosion and fire hazard! Never vacuum flammable fluids or gas, oil, alcohol, solvents, etc. Do not operate near flammable fluids or gas. Never vacuum warm fluids or materials at more than 140 deg. F (60 deg. C), such as burning cigarettes, ashes, glowing coals, etc.  
Warning! Do not vacuum hazardous / carcinogenic dust unless a HEPA filter is installed.  
Always keep filter cartridge clean so the vacuum operates properly.  
Empty Dust Deputy waste can frequently. Never leave flammable material in your Dust Deputy or shop vacuum.

### 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, investigate all returned products before Buyer's claim is settled. All products returned for a cash refund must be unused, resalable and purchased within 30 days. There are no refunds on flex hose, custom made components or partial kit items. Kits must be returned in full (all components) for credit. *There will be a 25% restocking fee applied to any returned items. Buyer must call and get an RMA (Return Authorization Number). Merchandise must be shipped to us prepaid.*

### Limited Warranty

Oneida Air Systems warrants products it manufactures for a period of 90 days 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 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 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.

## VII. Accessories



### Drum Dolly

Part #	Description
AXD000005	Dust Deputy Drum Dolly

Drum Dolly increases Deputy's mobility. Velcro straps hold drum securely for use, yet easily releases for emptying.

### Replacement HEPA Filters for Your Shop Vacuum



Part #	Description
FCH000001	Cleanstream® HEPA Filter for Craftsman® Wet/Dry Vacs. Replaces Sears® Filter 4-17816
FCH000002	Cleanstream® HEPA Filter for Rigid® Wet/Dry Vacs
FCH000003	Cleanstream® HEPA Filter for Genie®; Black & Decker® Wet/Dry Vacs

HEPA filters 99.97% of test material from 0.3 microns.

Replacement filters for your shop vacuum. Filters are easily cleaned by blowing from the outside with compressed air.

### UltraClean Scraper



Part #	Description
AXS000000	UltraClean Scraper
AXS000001	Extra Tungston Carbide Blade Set

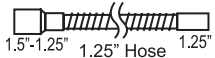
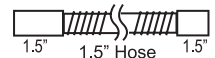
\*Hose not included.

### Hose Packages & Options

Part #	Description
AXD300000	1.5" Hose / Cuffs 1.5" x 1.5"
AXD200000	1.25" Hose / Cuffs 1.25" & 1.5"
AXD100000	1" Hose / Cuffs 1" & 1.5"
VSHNZZ150	Coupler 1.5"

All hose is high quality, static dissipating, wire reinforced.

All hoses have at least one 1.5" dia. cuff to attach to cyclone inlet.



## IV. Assembly Instructions for Dust Deputy

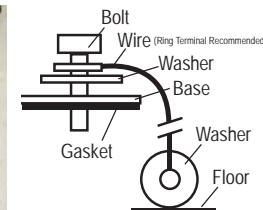
The Dust Deputy is made of static dissipating plastic.



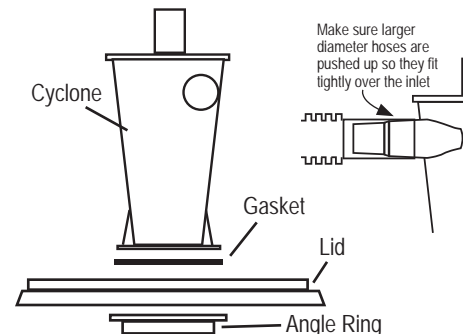
1.) Place supplied gasket on plastic drum top, lining up holes in gasket with holes in lid.



2.) Place bolt through washer then put bolt through hole in base of cyclone.



For optional grounding, attach wire to bolt between bolt head and washer, then attach another washer to end of wire. Wire must be long enough for washer to lie flat on floor.



3.) Attach metal angle ring to underside of lid and tighten bolts.



4.) Snap lid tightly on drum and you're ready to go.



5.) Attach provided hose from shop vacuum to top outlet on cyclone (A). Use shop vacuum hose to attach to tools. (B).



## V. Possible Ways to Attach Dust Deputy to Shop Vacuums



*You may want to attach your Dust Deputy to your shop vacuum for mobility, convenience or stability. There is no definitive way to attach the Dust Deputy to a shop vacuum. It will vary with vacuum type and intended use. These are just a few examples of possible ways it may be done.*

Cut the provided foam block in half. Drill two 1/4" holes through bucket, blocks and vacuum as shown, then using provided long bolts, washers and nuts, attach bucket to vac.



Use the foam blocks as spacers between the vac and bucket then put the assembled Dust Deputy into the attached bucket to hold it securely to the vacuum. Attach the appropriate hoses and you're ready to go.



*Some vacuums may only require one foam block to attach the bucket. This may be determined by vacuum body shape.*

Cut the provided foam block to size. Drill two 1/4" holes through bucket, blocks and vacuum as shown, then using provided long bolts, washers and nuts, attach bucket to vac.

Use the foam block as upper spacer between the vac and bucket then put the assembled Dust Deputy into the attached bucket to hold it securely to the vacuum. Attach the appropriate hoses and you're ready to go.

The mounting is only limited by your imagination.

**To prevent tipping problems, please see pg. 9 in this manual.**



## VI. Other Options for Securing Dust Deputy to Vacuum



Strap to Vacuum



Weight in Bottom of Drum



Velcro to Dolly



Bolt to Attached Platform



Bolt Bucket to Dolly



Home-Built Cart