

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.



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U.S. Patent # 7,282,074

E.U. Patent Pending

2_09



This kit contains
only the plastic
Dust Deputy cyclone.
*No other hardware
or accessories
are included.*

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

Plastic D-I-Y Dust Deputy Owner's Manual

1.800.732.4065

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.

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 next page)
- ▶ **NEVER leave wood dust in a building or vehicle.**
- ▶ Keep fire extinguishers handy at all times.

WARNING / SAFETY

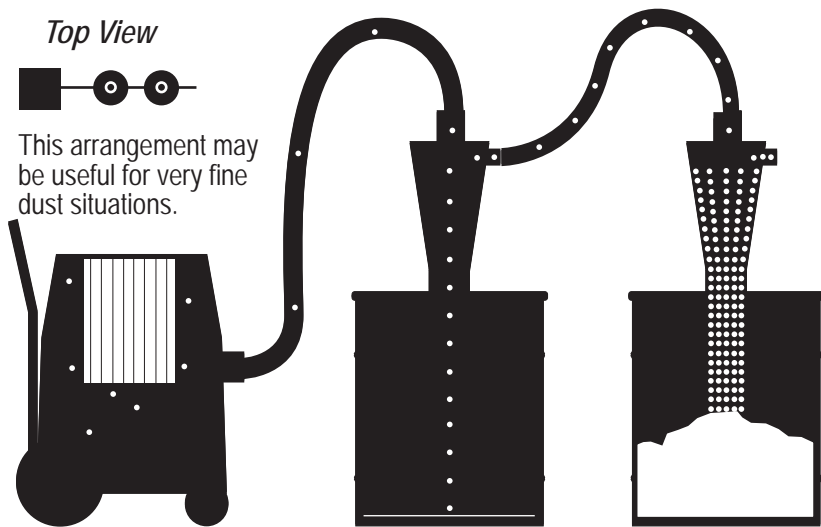
Some dusts are highly flammable or explosive. Learn / know what you are dealing with. Follow all local, state, federal & NFPA codes and guide lines.

Adding Cyclones to Improve Performance

Top View



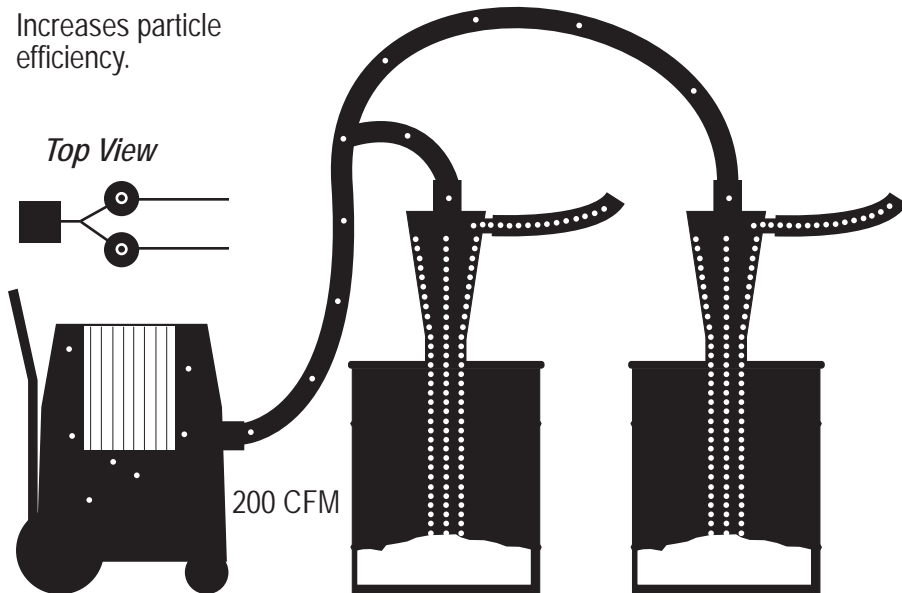
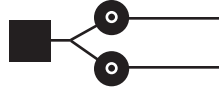
This arrangement may be useful for very fine dust situations.



Attach in Series

Increases particle efficiency.

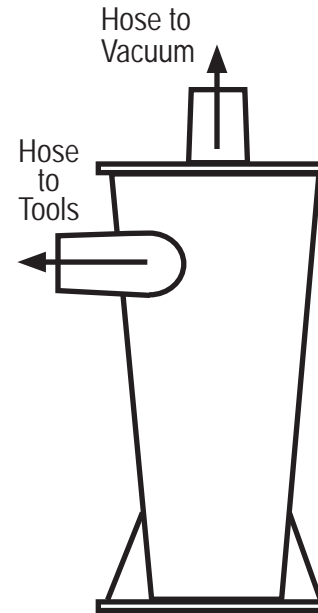
Top View



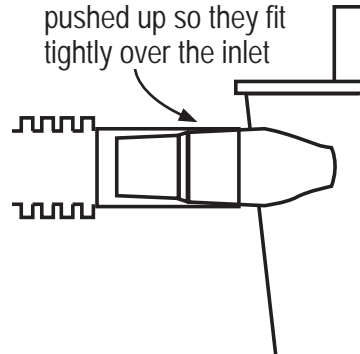
Attach in Parallel

Same particle efficiency but increases CFM.

Your arrangement is only limited by your imagination!



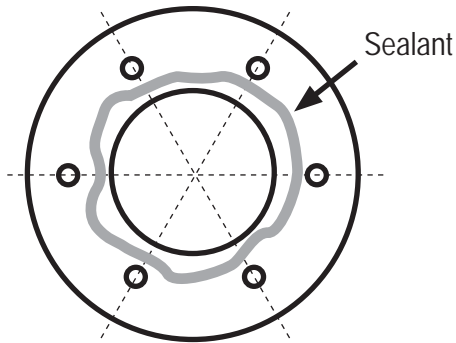
Make sure larger diameter hoses are pushed up so they fit tightly over the inlet



These are the minimum parts you will need to acquire to use the Dust Deputy:

- Shop Vacuum
- Dust drum or container that will withstand the vacuum pressure (We recommend at least a 90 mil side thickness otherwise the container may collapse when in use.) and has a lid that can be tightly sealed. (e.g.- 5 gal. plastic drywall bucket) *Drum must be 100% air tight. Any air leak in lid or drum will affect performance.* For wood dust use a smaller container (up to 10 gal.) To reduce the chance of fire hazard, empty container after each use.
- 2" - 2 1/4" dia. Vacuum Hose to go between the Dust Deputy outlet and your Shop Vacuum.
- Vacuum Hose to attach to Dust Deputy inlet and your tools.
- (6) 1/4" x 1" bolts with nuts and washers.
- Any suitable sealant (e.g.- Silicone) to use between the cyclone base flange and the top of your dust container. *Any air leak between the cyclone and lid will affect performance.*

How to Make Template for Drum Lid and Assemble Dust Deputy



1. Place cyclone base in center of drum lid.
2. With pen, trace around base and bolt holes.
3. Connect opposite bolt holes with lines as shown above to find center.
4. Draw 3" dia. circle for drum inlet. Carefully cut out 3" hole in lid.
5. Use 5/16" drill bit to drill bolt holes.
6. Spread even layer of sealant between center hole and bolt holes on drum lid. (See above diagram.) ***You must have a complete seal between cyclone and drum lid or performance will be affected.***
7. Put bolts through washer and cyclone base then fasten with nuts under drum lid.
8. Lid must completely seal to drum. ***Any air leaks will affect performance.***
9. Attach one hose from top cyclone outlet to shop vacuum and the other hose from side cyclone inlet to your tools or use hose by itself to pick up waste.

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.

