



Oneida Vortex™ DCS Dust Containment Systems

12_13

Keep the Job Clean!



Owner's Manual

The most effective portable floor sanding dust containment system with patented vortex technology.



"I gotta say, that's an impressive machine."

Norm Abram
This Old House
Episode #2615

Vortex Gorilla Vac™ Dust Containment System



Caution: Read Before Operating



Wood Dust is Highly Flammable!



- ▶ Always locate dust bin in a safe area, preferably outdoors. Keep a 10' distance from dust bin when sander is in operation.

Wood dust can flare up if ignited.

- ▶ Static electricity can ignite a fire or injure personnel.
- ▶ Make sure system is plugged into a grounded circuit.
- ▶ Never introduce sparks or flame into the system.
 - Drive down nail heads to prevent sparks.
 - Never sand ferrous materials.
- ▶ This collector is designed for wood waste **ONLY**.
- ▶ Never use collector for materials other than wood products.
- ▶ Store wood waste in a safe area outside.
- ▶ Don't leave jobsite without properly disposing of waste to a safe area. Smoldering dust can ignite later.
- ▶ Clean debris off floor before sanding. Debris can clog system.
- ▶ Clean both filter cartridges at regular intervals. Vacuum out the filter pleats from the inside of the filter or blow off from the outside. See cleaning procedure on pg. 6.
- ▶ Do not overfill Dust Bin. Check regularly.
- ▶ Do not operate collector in flammable atmosphere. (i.e. - Finish fumes)
- ▶ ***Caution: Fine dust is the most hazardous to breathe and very flammable.***

***Always follow all Federal,
State and Local
guidelines and codes.***

Wood Dust Can Be Hazardous to Your Health!

The Federal government has declared that wood dust is a known human carcinogen. Different woods also have different levels of irritation, some worse than others, especially with the increased use of exotic woods in flooring. What you also may not know is that before 1978, lead was used in many varnishes. When you sand this varnish, the dust concentrates the lead and makes the wood dust even more toxic. Asbestos exposure can occur when you are dealing with old adhesives and vinyl tiles.

The best way to deal with this toxic cloud is to collect the wood dust at the source, for you and your customers safety. Without proper dust collection, workers are exposed on every job and customers are exposed until all dust is finally cleaned up. Not a good situation for either party.

Collect Dust at the Source!

Congratulations!

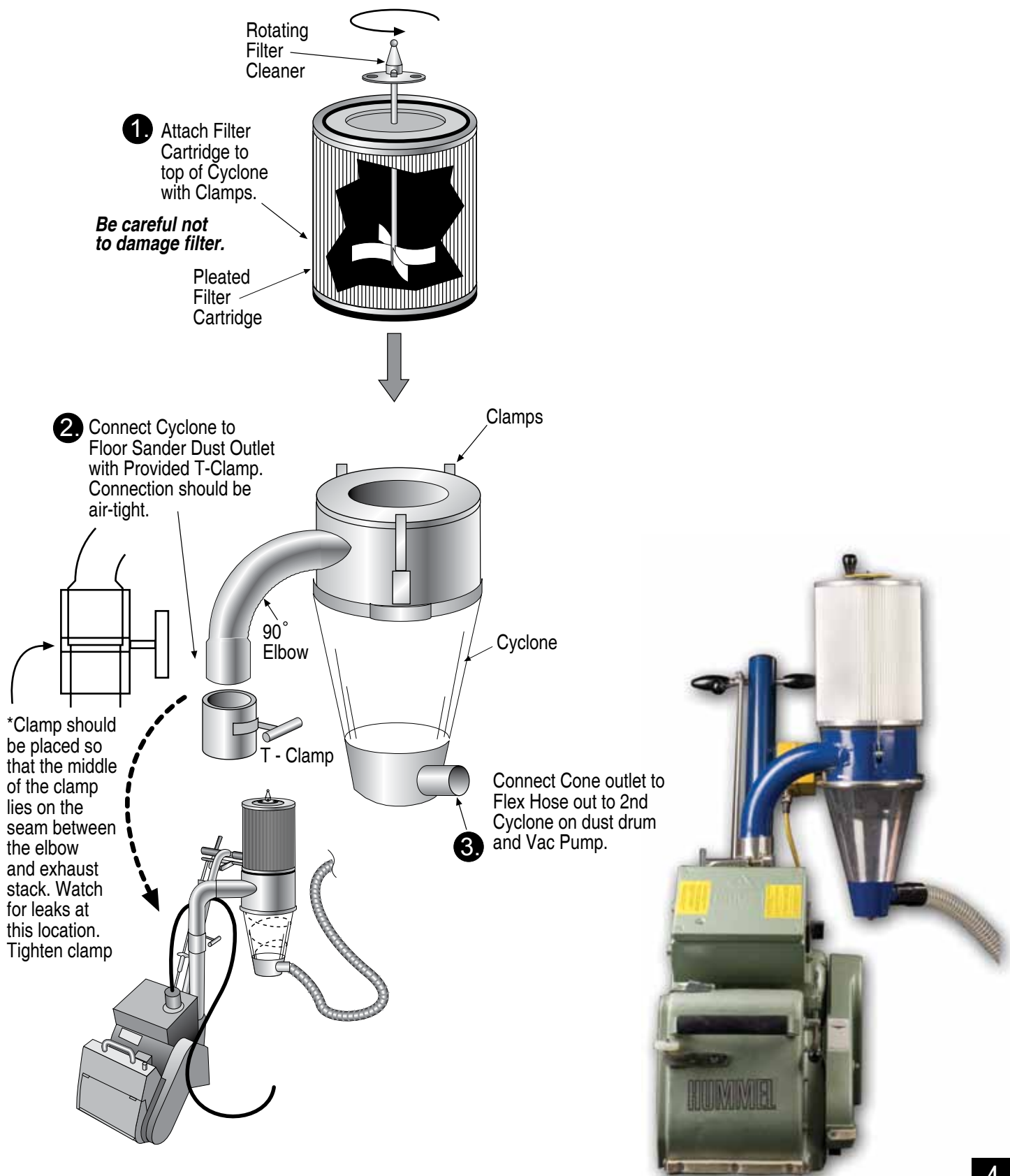
You have purchased a state-of-the-art Oneida Vortex DCS Dust Containment System for floor sanding machines. In order to facilitate your transition to using our system, make sure all people using the system read the Owner's Manual. The information provided is very important to the day-to-day operation of the dust containment system.

Customer Service or
Technical Questions:

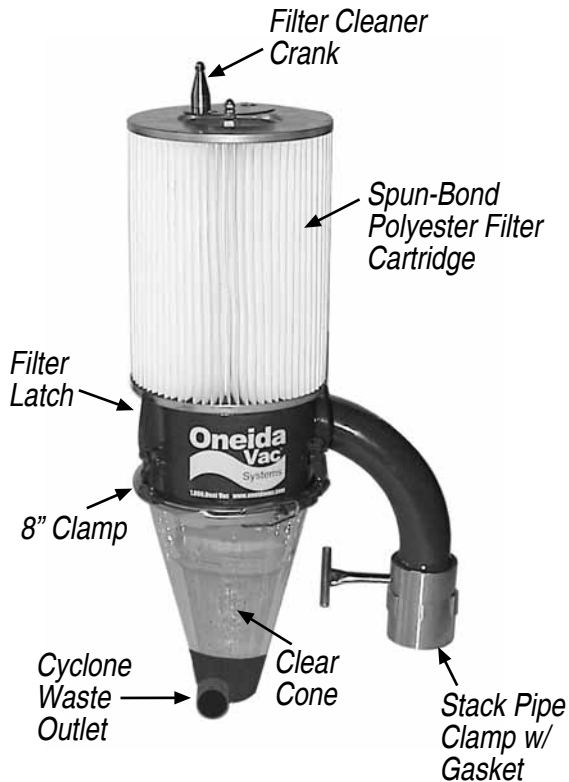
1.800.732.4065



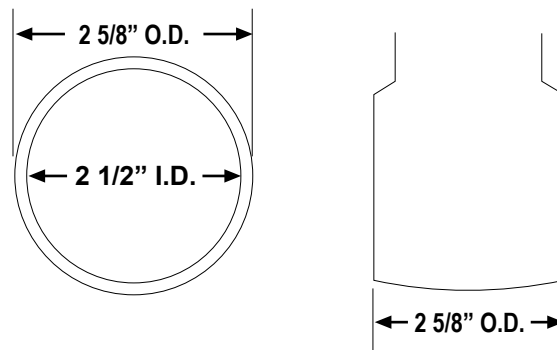
Assembly: Cyclone & Filter for Vortex Sander Cyclone



Sander Cyclones - General Tips



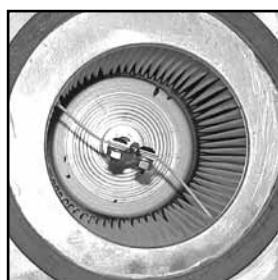
- Keep an eye on the Clear Cone during operation. Material should be swirling and exiting the cone. If material is accumulating in the cone, shut-down the sander. Remove the hose from the cyclone waste outlet. Make sure the vacuum is on and all hoses are connected. Remove the Clear Cone and dump out accumulated dust. Check filter and clean if necessary. Reassemble and you're ready to sand.
- Make sure Stack Pipe Clamp is tightened down so there are no leaks. If it is too loose you will see dust around the clamp on the Stack.
- When rotating the cyclone on the Sander, turn Sander off, loosen clamp, rotate and tighten. Rotating while Sander is on will cause a puff of dust to escape at the clamp.



Filters - All HEPA Filtration

Oneida's filters are extremely durable and reusable. Their lifespan is normally between 40 - 100 jobs. Regular and thorough cleaning with compressed air can extend filter life. All filters are a high efficiency, spun-bonded, polyester filter media with a teflon-like coating to aid cleaning. These filters have been 3rd party tested to be 99.9% efficient in filtering 0.2 - 2 micron dust. 1 micron = 0.0000394 inch.

- Filters must be cleaned with compressed air after or before every job. This maintenance will ensure your dust collector is running efficiently. Follow filter cleaning instructions on pg. 3.
- Filter cleaners allow the operator to go a longer period of time between cleaning the filters with compressed air. Whenever the machine is shut down, changing paper, taking a break, etc., give the crank a few turns at a few different heights to drop material out of the filter.
- Filters can be washed out with water after being blown out. They should be **completely** dry before re-installing.



Filter Cleaner is a hand-operated filter cleaning mechanism that is attached to the filter. When turned, the crank rotates a teflon-like flapper inside the filter that hits the pleats and drops material down to the bottom of the cyclone. This is a quick way to maintain your filters on the job and must be done when the Sander is off. It does not take the place of cleaning filters with compressed air.

Hoses

Caution: Wood dust and air moving through a plastic hose creates static electricity. All hoses provided by OAS are static dissipating. Use only the hoses provided. Do NOT use hose that is not static dissipating. Shock hazard or ignition of flammable mixture may result!

Normal Utility Hose:

- A tough elastomer urethane, static dissipating hose reinforced with a vinyl coated spring steel wire helix and two molded cuffs.
- Available in 1" to 1.5" inner diameters in 1/4" increments. Sold in lengths of 35'.
- Can effectively be cut and attached with expanding or reducing cuff.

Normal Utility Stretch Hose:

- A vinyl and urethane static dissipating hose with a vinyl coated wire helix that has a 4:1 stretch ratio and comes with two molded cuffs. Hose retracts with movement of sander.
- A 20' compressed hose expands to 80'. Only available in 20' - 80' lengths.
- This hose can NOT be effectively cut and attached with a new cuff.



- Hoses will take on the color of the wood sanded due to a light coating of dust on the inside of the hose.
- If you experience a clog in the hose, reverse the flow of air through the hose by hooking the other end up to the vacuum. If this doesn't work, blow one end out with compressed air outside. If it still persists, work the clogged dust from the outside with your hands or bang gently on the ground with the vacuum on.
- Hoses should be periodically inspected for leaks in the length and at the end cuffs.

- Hose Sizes for Equipment

- Before starting job, make sure filters have been thoroughly cleaned with compressed air.

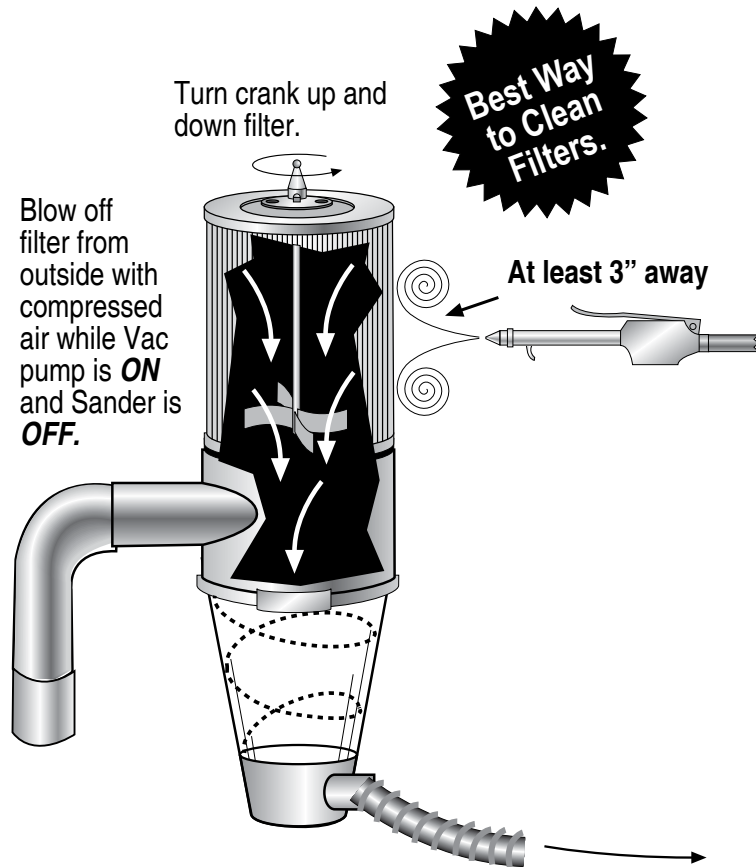
Equipment	Sand Paper	Hose Size	Comments
Drum Sander	11 - 36 Grit 36 - 150 Grit	1 1/2" 35 - 70 ft.	Very aggressive sanding. Drum sanding with coarse grit. Soft woods or stripping varnish. - Pine & Fur - 1 1/2" dia. hose.
Edger	All Grits	1" - 1 1/2" 70 ft.	Clarke edgers need 1 1/4" or 1 1/2" hose for proper dust collection.
Palm Sander	All Grits	1 1/2" 70 ft.	
Buffers	All Screens	1 1/4" or 1 1/2" 35 - 70 ft.	
Vacuum Floor with Brush		1 1/2"	Smaller hoses will clog with debris.

*Note: Pull Flex Hose out of coiled positions avoiding tight and unnecessary loops and bends. Material will flow more easily.

*Note: Use only the amount of hose that is necessary to do the job. Extended lengths will impair waste pick-up at cyclone. Shorter lengths will improve waste removal at cyclone, especially for aggressive sanding.

Filter Cleaning Instructions

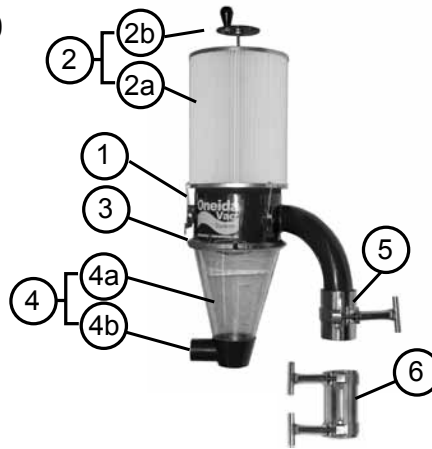
Filters must be cleaned before or after every job! This is VERY important! System will not work unless filters are clean!



Parts List for Vac System Kits

Sander HEPA Cyclone Kit - VSKCSZ000

1. Sander Cyclone Barrel Assembly - VXCSXZ000
2. HEPA Filter - Sander - Assembly with Cleaner - VSFSHC000
 - 2a. Sander HEPA Filter 15.3 Sq. Ft. - VSFSHZ000
 - 2b. Filter Cleaner Assembly - VSFCSZ000
3. Clamp 8" Dia. & Pin - VRR080000
4. Sander Cyclone Cone Assembly - VRS080111
 - 4a. Clear Cone - VRS080110
 - 4b. Metal Base for Clear Cone - VXS080110
5. Pipe Clamp 2.5" Regular (Standard) - VSACPZ250
6. Heavy Duty Pipe Coupler 2.5" (optional) - VSACPH250



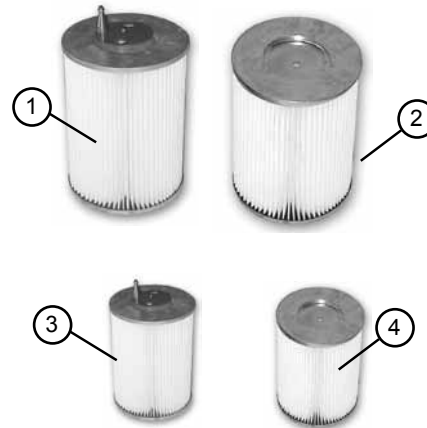
Cyclone Box Should Contain All of the Items to the Left.



Weight: 20 lbs.
18" x 16" x 14"

HEPA Filters - Gore filter media rated to capture 99.97% down to 0.3 microns

1. Sander Cyclone HEPA Filter with Cleaner Assembly - VSFSHC000
2. Sander Cyclone / Vac Pump HEPA Filter - VSFSHZ000
3. Edger HEPA Filter with Cleaner Assembly - VSFEHC000
4. Edger HEPA Filter - VSFEHZ000



Filters - Non-HEPA Spun-Bond Polyester

1. Sander Cyclone Filter with Cleaner Assembly - VSFSSC000
2. Sander Cyclone / Vac Pump Filter - VSFSSZ000
3. Edger Filter with Cleaner Assembly - VSFESC000
4. Edger Filter - VSFESZ000



Vac Retrofit Adaptors

Only needed if sander dust outlet is under 2.5" O.D.



Need 2.5" clamp
Part # VSACPH250



Galaxy 2000
VXA025020



Essex Silverline
Pro 8
VSRSE000

Taurus
Handle
VSRST000

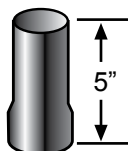
Hummel
Handle
VSRSLH000

Clarke EZ8
VSRSEZ000

Bona Universal
Stack
VSRSEBU000

Bona Pro Sand 8
VSRSEBP080
Includes
2 1/8" Tube Clamp
VRC002125

Super Bee
VSRSECU000
Includes
2 1/8" Tube Clamp
VRC002125



Lagler Trio Retrofit Kit
VSRSLT000
Includes:
VXA040000 - Lagler Trio Retrofit
VSACPH250 - 2.5" Clamp

*Refer to installation sheets for retrofit instructions.