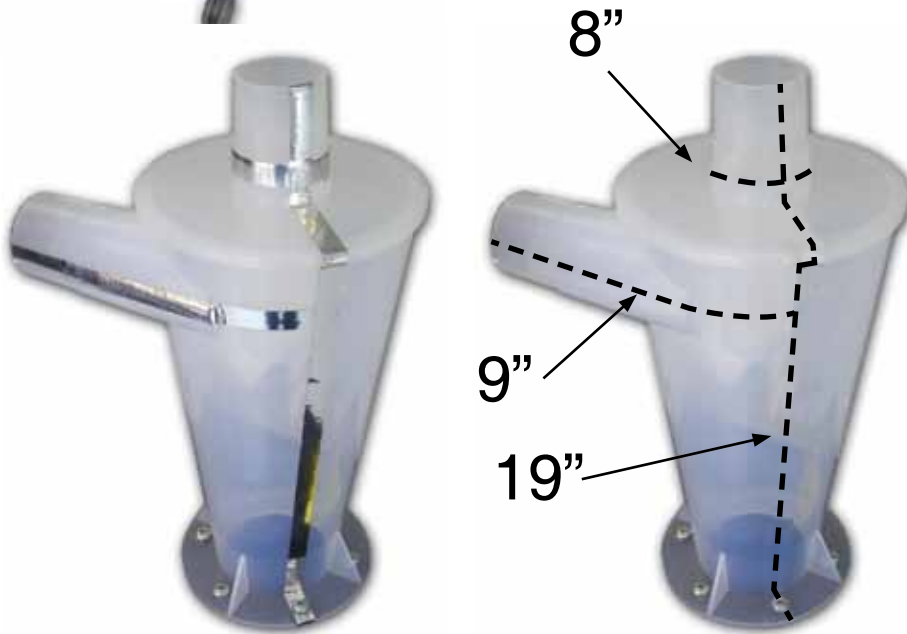




Additional Measures of Protection and Grounding Techniques for the Ultimate Dust Deputy® with the Festool Dust Extractor.



Dust laden air moving through flexhose, ductwork, vacuum cleaners and cyclones can create a buildup of electric charge if the surfaces are not electrically conductive or do not have an adequate path to ground. This charge will build up until a grounded object is put in contact with the surface or until the energy becomes great enough to “jump” to ground. Discharging static electricity can cause discomfort and be an annoyance. The Dust Deputy uses static dissipative (SD) components but we strongly recommend that you additionally follow these instructions to ensure a complete ground path as an extra measure of protection for you and your equipment. The picture at the left shows the vacuum completely assembled. Please note that if you add components of your own (hose, adapters, reducers, etc.) these must be grounded as well in a similar manner.



1. Cyclone - With the provided aluminum tape, tape the cyclone as shown in picture. Make sure that the tape ends go over the rims by at least 1/4” and attaches inside the inlet and outlet. Also notice that the tape on the bottom flange goes over the bolt hole for additional grounding when the cyclone is bolted to the dust bin top. Ensure that hoses connected to the inlet and outlet make contact with the aluminum tape.



2. Attach hose to the smaller end of the metal connector with pre-installed valve and grounding wire, then connect hose to the vacuum inlet as shown in picture above right.



3. Take the braided wire and run it over the top of the Festool Extractor as shown left and then tape the wire down securely with a 4" piece of metal tape so it will contact the electrically conductive Oneida Dust Bin when it is attached to the extractor.



4. Attach the other end of hose over the cyclone outlet. Optional clamp may be used to hold the hose tight.

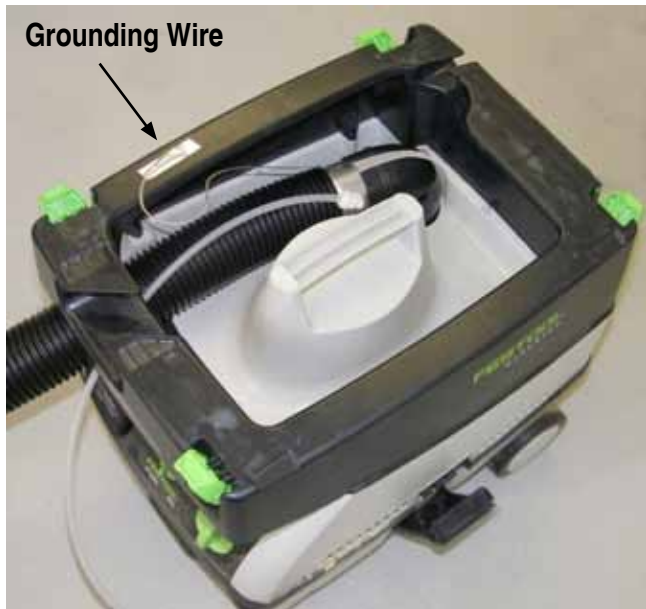
You should periodically inspect the tape connections to make sure that they are still effective. With use the metal tape will wear over time. Any metal tape, aluminum or copper may be used to repair or replace original tape.

Festool CT Vacuums have a static dissipative inlet fitting that is connected to the earth ground on the unit's cord. Other models may not have a conductive inlet fitting. You would then need to ground the Dust Deputy System to an earth ground. This can be accomplished by attaching a wire / chain to a metal washer that drags on the floor or by connecting the grounding wires into another suitable earth ground. Please consult a qualified electrician for any wiring / grounding questions.



The photos above show a grounding solution if you are using a Festool mini extractor. You will need to use an elbow to attach the hose to the inlet. You need to tape the elbow with the metal tape first as shown on previous page before you attach it to the hose and metal connector. You also need to tape the pre-installed grounding wire from the metal connector to the top of the Festool as shown at top left.

If you are using this with any other shop vacuums, you must still adhere to the principles of a complete ground path as an extra measure of protection for you and your equipment.



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