

Additional Troubleshooting

The Dust Deputy Low-Pro pre-separates up to 99.9% of dust and debris. Our team conducted a stress test and found after 20 minutes of sanding with a 5-inch palm sander using 100-grit paper that there was no discernable dust in the vacuum container or in the pleats of the filter.

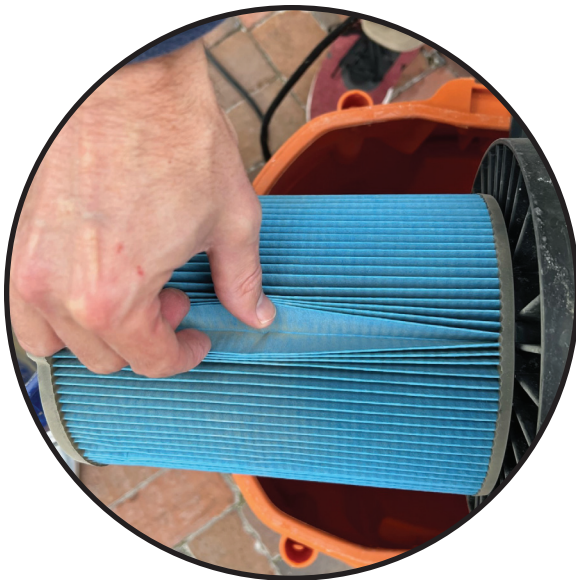


FIG. 1

If you find the Dust Deputy Low-Pro is not performing as shown in [FIG. 1], then follow these additional troubleshooting steps to fix the problem.

1. Make certain that you vacuum and tools are connected properly to the Low-Pro. The Low-Pro's top outlet port to your vacuum and the Low-Pro's side inlet port to your tool with your vacuum's hose [FIG. 2].

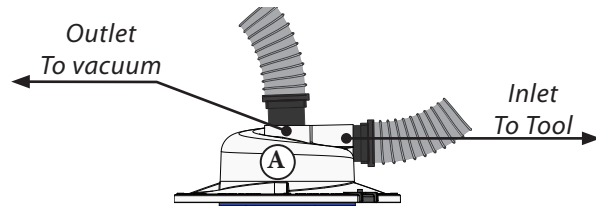


FIG. 2

2. There must be NO air leaks. An air leak will cause dust to bypass the lid separator, leading to a clogged filter, and the finest particles will pass through first.

Check to make sure your setup has no air leaks or gaps [FIG. 3]. Dust collection systems cannot operate effectively if there isn't a completely airtight seal. The most common leak is between the lid separator and the rim of the bucket.

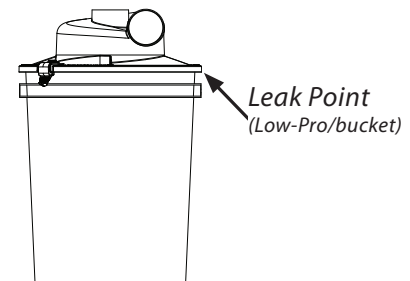
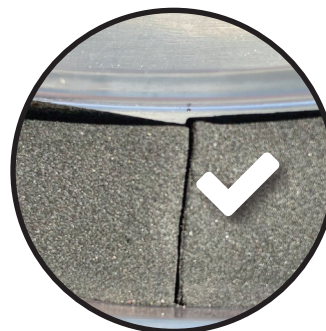


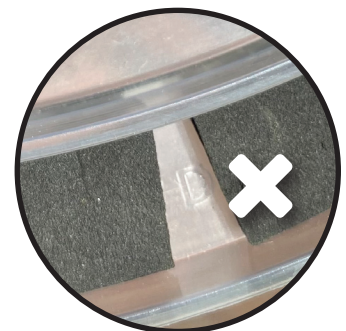
FIG. 3

3. Make sure that the gasket is in good condition with no cracks or tears and is installed with the ends firmly butt up against each other as shown in [FIG. 4a]. Proper sealing prevents dust and air from escaping [FIG. 4b]. Replace the gasket if it is worn or torn.



Correct Installation
Gasket connects; Ends firmly butt up against each other.

FIG. 4a



Incorrect Installation
Gasket doesn't connect; Gap between the ends.

FIG. 4b



4. The Dust Deputy Low-Pro's adjustable latches fit a wide variety of buckets, some of which may give a false impression that they are fully secured and airtight.
 - a. Lift up on both the latches simultaneously and push the Low-Pro firmly down onto the bucket so that the gasket is compressed. Then push the latches inward and ensure that they are closed under the lip of the bucket [FIG. 5]. The latch screw can be adjusted to better tighten the latches to the lip of the bucket.
 - b. If your Dust Deputy Low-Pro's latches are the older rubber-wire hold down style, rather than the new molded plastic style, please contact Oneida Air Systems' Customer Service Department at 1-866-387-8822 or support@oneida-air.com and we will send out an upgrade clip free of charge.

Latched under the lip

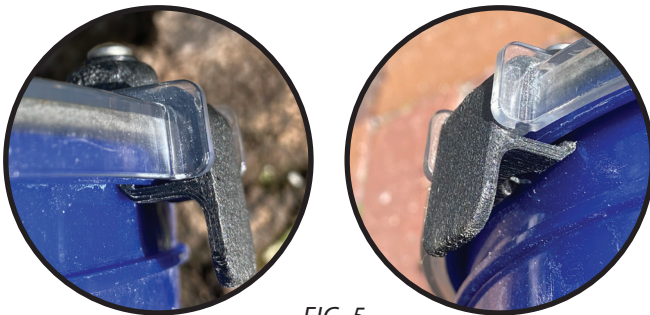


FIG. 5

If you are confident your Dust Deputy Low-Pro is sealed airtight to your bucket, yet you are still experiencing poor separation, then please check the following:

5. Ensure your Dust Deputy Low-Pro model has the central Plug installed [FIG. 6]. If your model is missing the Plug, please contact Oneida Air Systems' Customer Service Department at 1-866-387-8822 or support@oneida-air.com and we will send out a replacement free of charge.

Plug

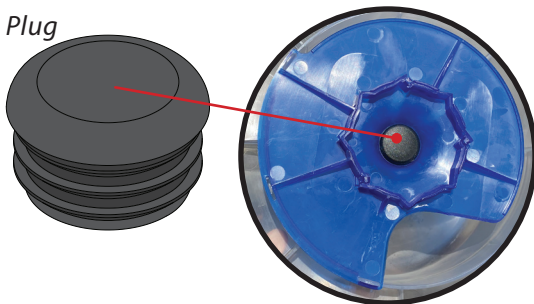


FIG. 6

6. Over time the bucket's rim may become damaged, affecting the seal and in turn the performance. Replace your bucket.
7. Use either a shorter length hose or a larger diameter (2.5" max.) hose which will increase airflow (CFM) through the cyclone. Increased airflow also increases air velocity in the cyclone and improves separation efficiency.
8. Proper filter cleaning and replacement should not be neglected. Replace your filter if there is a buildup of dust and it has become less permeable thus restricting airflow.

If you are experiencing your bucket collapsing [FIG. 7], then please check the following:

9. Ensure your bucket is not old, damaged, or thin-walled. To increase the strength of a thin-walled bucket, you can stack two buckets together. Two stacked thin-walled buckets will work well to avoid bucket collapse. Ideally, we recommend a bucket with a 90 mil wall thickness or higher. A 90-mil or higher walled bucket will completely avoid bucket collapse.

Note: The wall thickness of any 5-gallon plastic bucket can be found on the bottom of the bucket [FIG. 7].

10. Ensure your airflow is not blocked or restricted. Check for any clogs or blockages in the hose going to the inlet. Reducing the recommended 2.5 inch hose to 1 inch or smaller can build enough pressure to collapse a bucket.

Example: Orbital palm sanding

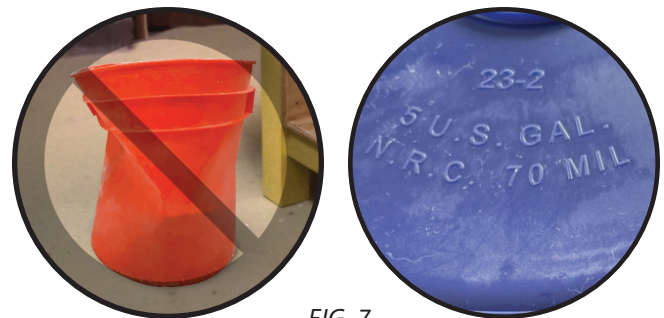


FIG. 7

Contact our Customer Service Department for further assistance

1-866-387-8822 • support@oneida-air.com • oneida-air.com/contact-us

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