

Downdraft Table

Specifications

The downdraft table we have in the composites area is a Denray 7200B, as can be seen on this [website](#)

We have contacted the company and they are helpful with any troubleshooting that we may need, there are also videos for troubleshooting [here](#)

Table Size: 72"x48"

Height: 36"

Sound: 78 Db

Power: 5HP

Flow: 3900 CFM (Cubic Feet per Minute)

Documents are [here](#) and manuals are [here](#). Attached below is the pdf manual for the 7200B



Use

Read [this](#) quick page on "Dust Facts" from the supplier of our table. Our downdraft table is considered a "Source Capture Tool" and the paint booth acts as a "Dust Booth"

A clean downdraft table can be very effective at moving dust particles away from a source. With the combination of a dust mask and water as needed, most all of our dust-producing processes can be performed on the downdraft table to make them effectively safe.

This includes processes that would otherwise produce an unnecessary amount of dust or possibly harmful dust, like cutting and sanding composite materials, high-density foam, and mold primers.

DO NOT use any liquid on the table besides water, acetone, isopropyl, or other solvents. If you use epoxy or paint on the table it will drip into the collection tray and clog it, or drip into the filters themselves and clog them.

DO NOT sand or grind anything that can make sparks on the table or things that will heat up during sanding or cutting. In general, this means **no sanding or cutting of metal on the table**. Hot dust or sparks will easily ignite the dustpan of the table or even the filters themselves. Dust is very flammable in general so be careful of that.

The risks of use silica products are not mitigated by the use of the downdraft table. Use of these products should occur in the paint booth with N95 masks or N95 half-face respirators.

Maintenance

Consistent maintenance is key to keeping the downdraft table pulling adequate volumes of air. Without care, it will clog and not provide any risk management or safety in the control of dust in the space.

- The dustpan underneath the filters needs to be emptied on a weekly basis.
- The filters should be rotated by a quarter rotation each day or two of use.
- The filters should be pulsed before and after each use.

To-Do's

Buy and install new filters, the current ones are caked and it would take a while to get them perfectly clean. New filters haven't been installed since purchase, which was at the latest August of 2017.

Hook up a pressurized airline at 90-120psi. This is used to pulse the filters in the opposite direction they pull to unclog them.
