

# Operating Instructions For Denray Tube Filtered Tables

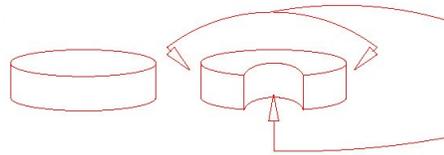
- Service must be performed by properly trained personnel
- Tube filters have a 99% efficiency rate at 1 micron
- Be sure the rubber seal is approximately 4" above the door and the bottom seal is always in good condition. This is the most important seal.

Since the filters are straight vertical tubes (without pleats that can hold onto dust), the dust will build up on the inside of the filters then naturally fall into the collection tray(s), solely due to gravity. Except for the periodic emptying of the collection tray(s), no other maintenance is required under almost all conditions. In order for the filters to work as designed, something called a dust cake should be allowed build up on the insides of the filters. The filters will work with as much as a 1/4" dust cake built up on their insides, depending on the material the table has filtered. A dust cake that is 1/16" - 1/8" thick is typical and necessary for the tube filters to work as designed. In the rare case where the dust fails to fall off, use the brush supplied with the table to sweep the insides of the filters according to the instructions located under the table top. Follow this 'Rule of Thumb': If you are satisfied with how well the table is moving air and removing dust, the thickness of the dust inside the filters is unimportant.

**To clean the table:** While the machine is running, sweep the table top with a bench brush allowing residual dust to be sucked through the slots. Then, open and secure the table top and sweep the area above the motor compartment and between the tops of the filters.

The filters will last at least 1 - 2 years depending on how much the table is used and how often the filters are swept with the filter brush. More frequent sweeping may reduce filter life and efficiency but increase overall table airflow. When filter replacement finally becomes necessary, remove them by starting at the bottom of each filter pushing the metal ring inwards allowing the filter to come out of the hole. Be careful: if the ring is allowed to snap back, it may pinch!

One filter ring is located in the top and one filter ring is located in the bottom of each filter.



Squeeze together here with hands while thumbs are pushing in, resulting in ring collapsing, and coming out of hole.

Push in here with thumbs.

## ELECTRICAL

- Be sure to disconnect and LOCKOUT all sources of power before servicing.
- Verify correct fan operation by comparing fan rotation direction with arrow Just inside door.
- If the motor runs a couple minutes and shuts off then the AMP dial needs to be set a little higher. This is the round dial below T1 and T2; the pointer is on the bottom. The magnetic starter on this machine will work fine on 208 volts, however if you are operating your machine at this voltage, the amp draw will be somewhat greater, so turn the dial to a higher number.

