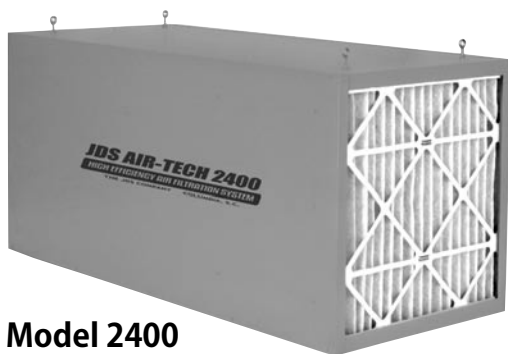


JDS AIR-TECH

HIGH EFFICIENCY AIR FILTRATION SYSTEM



Model 2400

Owner's Manual Operating Instructions

Congratulations on your purchase of the JDS Air-Tech, high efficiency air filtration system. Your new unit is designed to provide you with years of efficient air filtration. Please read this manual carefully to achieve the maximum results and satisfaction that the JDS Air -Tech will provide.

DUST COLLECTION VS. AIR FILTRATION

There is a significant difference between dust collection and air filtration. A dust collector is designed to collect "dust" from a tool as the "dust" is produced. This may be in the form of broad flat shavings; long thin splinters; small chips; coarse or fine powder. Regardless of how well a dust collector works, large quantities of microscopic dust still manage to become airborne and will float about your shop for days.

The JDS Air-Tech will not collect dust at its source. It will however, remove large quantities of airborne dust that is floating in the air that you breathe.

The JDS Air-Tech will effectively remove 99% of the particles in the air that are 5 micron in size or larger. It will remove 91% of the particles as small as 1 micron in size. (One micron equals one millionth of a meter).

VISIBLE DUST VS. MICROSCOPIC DUST

The JDS Air-Tech will not pick up dust that is currently visible on surfaces in your shop. (On tables, benches, or machinery, etc.) It will filter the air in your shop, and with great efficiency, remove particles that are floating in the air (including microscopic particles that you can't see, but that you do breathe into your lungs). A clean shop will stay cleaner longer and the air that you breathe will be significantly more healthy.

CEILING INSTALLATION

Remove the four black screws from the top of the unit. Install the four eye bolts into these threaded holes. When the eye bolts are all turned to the desired position, then tighten the eye bolt top nut. (The nut is on the top of the unit. You do not need a nut inside of the unit).

When hanging the Air-Tech from the ceiling, be certain that the hooks or chains (not supplied) are securely fastened into a ceiling joist, stud, or rafters. **(Sheet rock or dry-wall will not hold securely!)**

The eye bolts supplied are located 16 in. on center and 48 in. apart. When the unit is hung in its final position make sure it is level from back to front and side to side.

CAUTION: Be certain that the unit does **not** project down from a low ceiling so as to create a hazardous situation.

DISPOSABLE FILTER MAINTENANCE

WHEN CHANGING FILTERS OR PERFORMING OTHER SERVICE ALWAYS DISCONNECT THE POWER CORD!

All disposable filters will have a limited life, and should be replaced. The actual life of each filter will depend on the amount of dust in the air and the amount of new dust created each day. To help extend the life of your disposable pre-filter, use a shop vac to remove the dust, or compressed air (30 psi maximum) to blow the dust out of the filter. When replacing the filter make sure the air flow arrow is pointing toward the rear or discharge end of the unit. To change the internal bag filter simply open the filter access door. Slide out the old dirty filter and slide in the clean fresh filter. It's that simple. **Note:** This filter is not washable, only an occasional shaking or light vacuuming is needed. The final, diffusing filter never needs to be replaced, only cleaned very infrequently.

To Install the (optional) Charcoal Filter

Open filter access door (turn knobs and pull). Slide header of the charcoal filter into the track located behind the secondary bag filter.

Make sure the V-shaped chambers are in the vertical position. Replace the filter access door. The actual life of this filter will depend on the amount of odors, fumes, and V.O.C.s created each day.



SUGGESTIONS AND HINTS

- Position the JDS Air-Tech as high as possible. This location will encourage a gentle flow of air throughout a large area. A lower location will result in obstruction of air flow. (Machines, people, etc. get in the way). (Optimum location is about 8-10 feet high).
- Leave the JDS Air-Tech running when you leave the shop. The filtration of the air can take place while you are out of the shop and you can return to a cleaner, healthier environment.
- If you find that you are frequently replacing the first stage or pre-filter, (Models 8-12, 10-16 and 2400) you may want to consider the optional electrostatic washable, pre-filter as a cost effective replacement.
- For the removal of odors, fumes and smoke our optional charcoal filter is available. Simply remove the final stage coarse fiber diffusing filter from the back of the unit and slide in the charcoal filter.
- If you have a very high ceiling you may want to suspend the JDS Air-Tech from the ceiling hooks with a chain or cable. (Optimum location is about 8-10 feet high).

CAUTION - CAUTION - CAUTION

Do not operate this appliance without first removing the shipping support from the outlet end of the blower housing.

- 1.) Remove the outlet end diffusing filter.
- 2.) Remove and discard the shipping support (Styrofoam block) that is stabilizing the blower wheel.
- 3.) Replace outlet end diffusing filter.

SPECIFICATIONS

Model 2400

Cabinet: 20 Gauge Textured Pre-Painted Steel
with 18 Gauge Galvanized Internals

Size: 23.5"x 25.25"x 55"

Weight: 203 lbs

Motor Blower: 3/4 HP with 12 x 12 wheel

Airflow/ Electrical Ratings:

Unrestricted Air: 2,618 CFM - 115V - 14.2 Amps
- 1,765 Watts

Standard Filters in place: 2,410 CFM - 115V -
13.8 Amps - 1,420 Watts

Charcoal Filter in place: 1,975 CFM - 115V - 10.9
Amps - 1,100 Watts

REPLACEMENT FILTERS

Replacement Filters Available at www.jdstools.com

Model 2400

Part Number

A. Disposable Pre-Filter	34002
B. Internal Bag-Filter	34003
C. Rear Diffusing Filter	34015
D. (Additional) Wash Elect Pre Filter	34004
E. (Optional) Charcoal Filter	34005