



JDS AIR-TECH

HIGH EFFICIENCY AIR FILTRATION SYSTEM



Model 8-12
Model 10-16

Model 750-ER

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.

REMOTE CONTROL MODELS

The Remote Control has three buttons. To turn the unit on and off press the "on/off" button. To set the speed function press the "speed" button. An arrow in the LCD Display will indicate the speed you have selected (high, medium, or low). If you would like the Air-Tech unit to continue cleaning your shop, after you leave the area, use the convenient timer function. Press the "hour" button to set the amount of time you wish the unit to run, before turning off. An arrow in the LCD Display will indicate the time you have selected, (1,2,3, or 4 hours). If you choose not to use the timer function, set the hour display to the off position and turn the unit off. If manual operation is required, a sensor panel is located on the right rear corner panel of the unit. You may turn the unit on or off, set the speeds, and the timer function, by simply pressing the corresponding buttons on the sensor panel. (A LED light will come on to indicate the function you have selected). Important: the remote control uses line-of-sight signal. When considering a location for the Air-Tech (especially a ceiling mount) place the unit so that the sensor panel can easily receive a signal from the remote control.

When unpacking your JDS Air-Tech, the remote control and parts bag, will be attached to the power chord against the blue diffusing filter.

REMOVE THE BLUE DIFFUSING FILTER AND REMOVE THE STYROFOAM PACKING BLOCKS FROM THE BLOWER WHEEL BEFORE OPERATION!!

ELECTROSTATIC FILTER CLEANING

Proper cleaning of your electrostatic filter will assure you of receiving all the benefits this filter was designed to give. Cleaning schedule will vary according to each application. When the filter becomes loaded, vacuum excess particulate from the front of the filter. Spray both sides with a mild liquid degreaser or non-acid coil cleaner. Using medium water pressure, back wash from the opposite side that was vacuumed, with clean water. Shake filter to remove excess water and stand with drain holes down. Filter should be dry when installed.

THE CAR WASH WATER PRESSURE IS TOO HIGH AND CAN DAMAGE THE FILTER MEDIA. DO NOT CLEAN IN AN AUTOMATIC DISH-WASHER!

The electrostatic filter is warranted for 10 years under normal use and service in the equipment it was originally installed. Warranty shall not apply to filters that are damaged or altered in any way. Filters must be properly maintained per the manufacturers cleaning instructions.

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).

Now, securely attach four hooks to the ceiling. Be certain that the hooks are securely fastened into a ceiling joist or stud. (Sheet rock or dry-wall will not hold securely!)

For Model 750-ER the hooks should be located 16 in. on center and 30 in. apart. For Models 8-12 and 10-16 the hooks should be located 16 in. on center and 32 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.

If you prefer, or if a ceiling location is not recommended, you may place the JDS Air-Tech on a shelf, table, or other sturdy platform. Usually the more elevated the location, the less the air flow will be restricted. (Higher is better!).

TABLE TOP/SHELF INSTALLATION

Remove the four outermost screws from the bottom of the JDS Air-Tech. Insert the four screws into the four rubber "feet" (supplied) and then reinsert the screws into the four holes. Tighten securely. The JDS Air-Tech will now rest safely on a flat surface.

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.

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).

SPECIFICATIONS

Model 750-ER

Cabinet: 20 Gauge Pre-Painted Steel

Size: 12"x 24"x 34"

Weight: 65 lbs

Motor Blower: 1/4 HP

1050 CFM Unrestricted Air

750 CFM Filtered Air

3.3 Amps., 115V - 340 Watts

Model 8-12

Cabinet: 20 Gauge Pre-Painted Steel

Size: 20"x 24"x 44"

Weight: 86 lbs

Motor Blower: 1/3 HP

1570 CFM Unrestricted Air

800/1250 CFM Filtered Air

Low Speed: 3.4 Amps., 115V - 360 Watts

High Speed: 6.2 Amps., 115V - 630 Watts

Model 10-16

Cabinet: 20 Gauge Pre-Painted Steel

Size: 20"x 24"x 44"

Weight: 92 lbs

Motor Blower: 1/3 HP

2117 CFM Unrestricted Air

1000/1600 CFM Filtered Air

Low Speed: 5.2 Amps., 115V - 520 Watts

High Speed: 7.4 Amps., 115V - 780 Watts

REPLACEMENT FILTERS

Replacement Filters Available at www.jdstools.com

Model 750-ER

A. Disposable Pre-Filter

B. Internal Bag-Filter

C. Rear Diffusing Filter

D. (Additional) Wash Elect Pre Filter

E. (Optional) Charcoal Filter

Part Number

14002

14003

14015

14004

14005

Models 8-12 & 10-16

A. Disposable Pre-Filter

B. Internal Bag-Filter

C. Rear Diffusing Filter

D. (Optional) Wash Elect Pre Filter

E. (Optional) Charcoal Filter

Part Number

14007

14008

14012

14009

14010