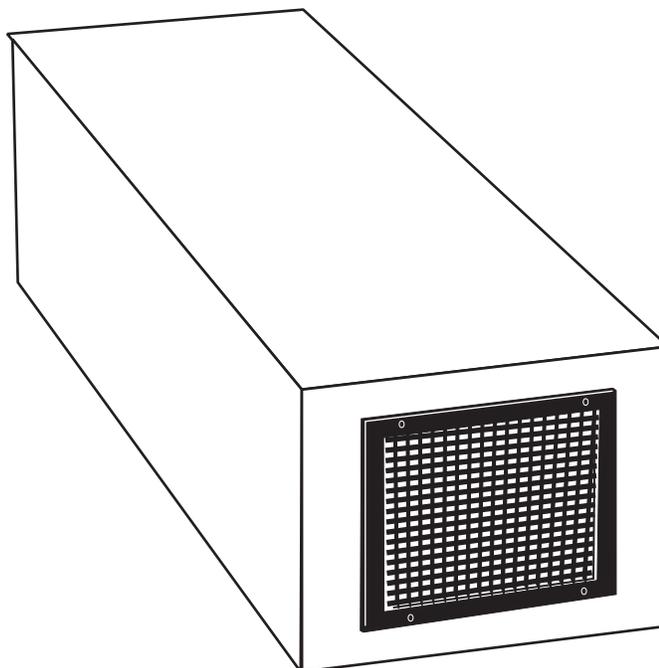


Save This Manual For
Future Reference

***Installation
and
Service
Manual***

**Read ALL
INSTRUCTIONS
carefully.**



 **DUST FREE[®]**
AIR CLEANERS

Series 1550

The Dust Free® Series 1550 air cleaning system incorporates up to four stages of filtration to remove particles from the air. The clean air that is returned to the space where this equipment is operating will substantially reduce the level of contaminants by the method of dilution.

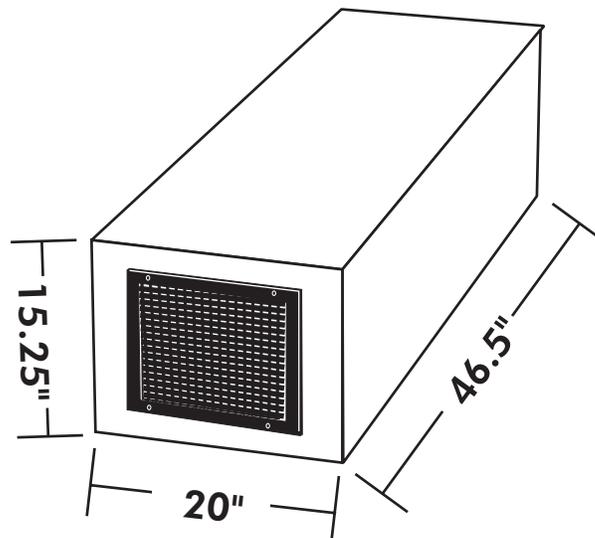
These devices, when properly installed, will reduce the level of airborne particles and will prevent excessive accumulation of airborne particles if particle generation is continuous.

For maximum effectiveness, the equipment should be installed to produce the specific air circulation pattern described in this manual. The equipment should be suspended from the ceiling at a height of 15 feet or less above the floor. The pre-filter should be serviced every 30 to 60 days and the primary filter replaced when a noticeable loss of air volume occurs. You can improve the air in your space by 60% to 80% when these air cleaners are properly utilized and the correct total air cleaning volume is present.

SPECIFICATIONS

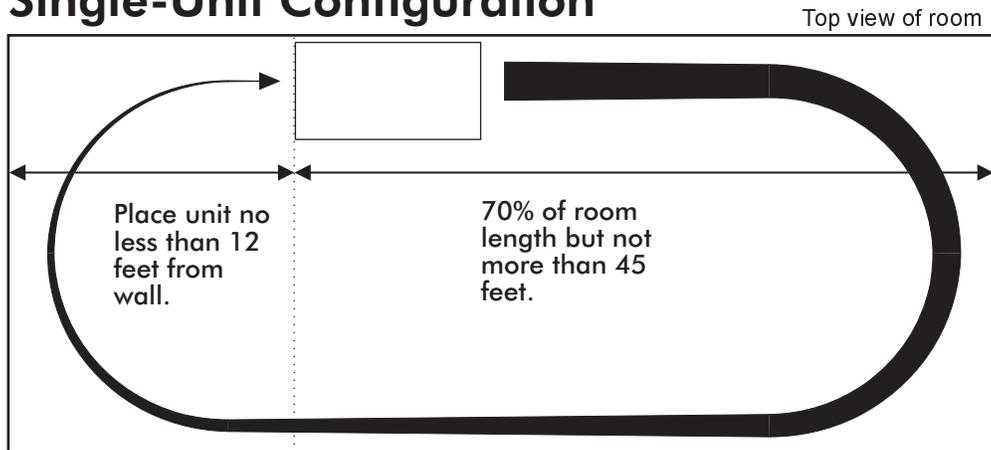
Series 1550 Specifications

| | |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| Dimensions: | 46.5"L x 20"W x 15.25"H (118.1 x 50.8 x 38.7 cm) |
| Weight: | 110 lbs. (49.9 kg) Installed 160 lbs. (72.6 kg) Shipping |
| Motor: | 1/2 HP, 115v, 50/60 Hz, 15 Amp |
| Blower: | Direct Drive, Forward Incline |
| EON: | Input Voltage - 120V Output Voltage - 6000V |
| Air Volume: | 780 CFM (22.1 CMM) - Smoke Control Configuration 1100 CFM (31.1 CMM) - Particulate Control Configuration |

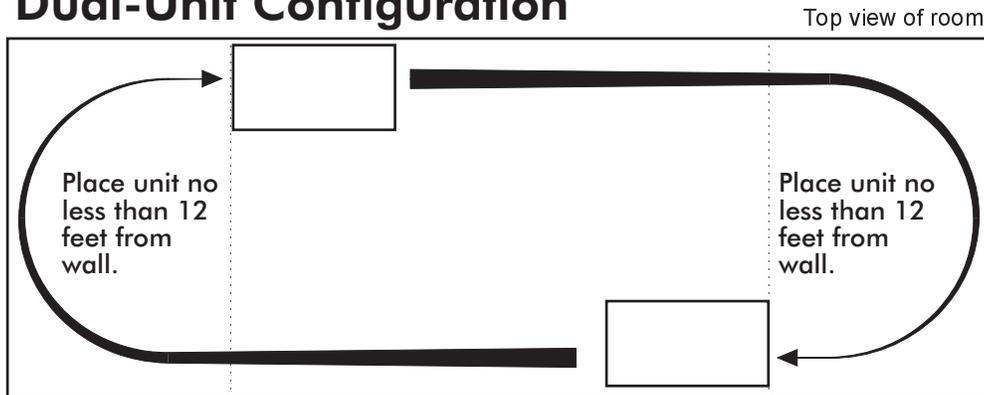


The Dust Free[®] air cleaners should be suspended from the ceiling at a height of 15 feet or less above the floor. Position units as shown in the following illustrations. If you need additional installation advise contact the distributor/dealer from whom you purchased the equipment. Call the factory if the distributor/dealer is not available.

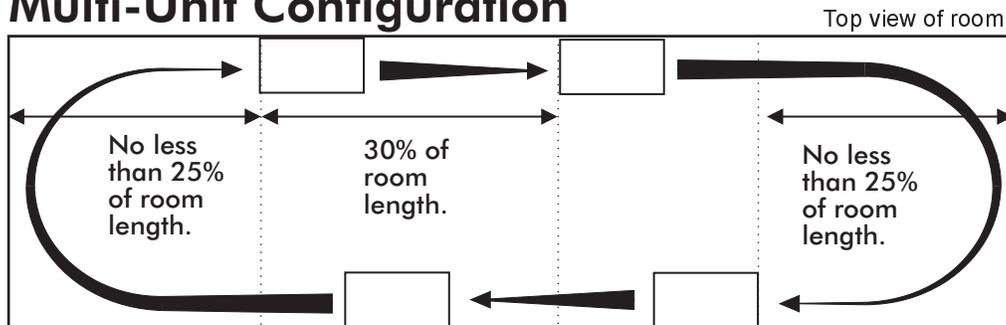
Single-Unit Configuration



Dual-Unit Configuration



Multi-Unit Configuration



UNPACKING

Upon receipt, immediately inspect the carton for damage during transit. Signs of rough handling may indicate internal damage in the air cleaner. Carefully unpack the unit and examine it for concealed shipping damage. If the unit is damaged, contact the carrier to file a claim.

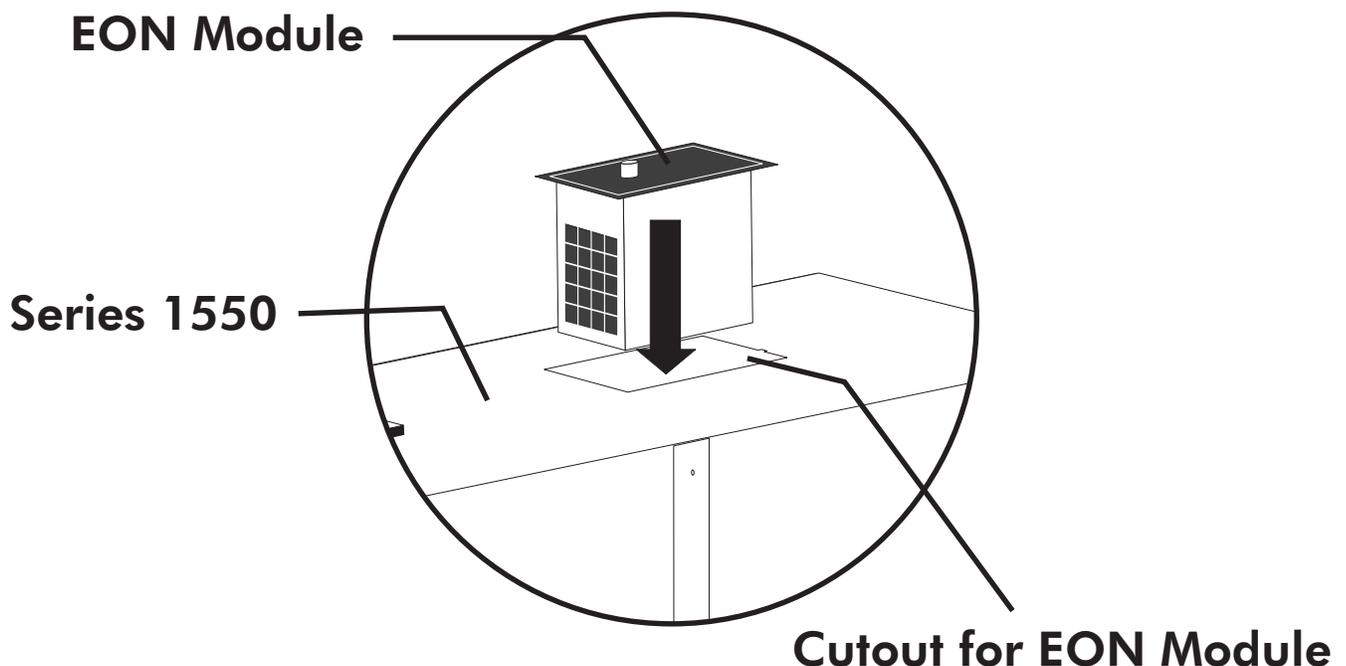
PREPARATION

Carefully read the entire manual before starting installation. Authorities having jurisdiction should be consulted prior to installation. Permits may be required. If there are no local codes, installation should conform to the National Electrical Code. A standard three wire outlet with a 115 volt, 15 amp service should be located close enough to the installed air cleaner so that the power cord can be routed out of the way of personnel.

INSTALLATION OF OPTIONAL ELECTRONIC ODOR NEUTRALIZER (EON)

The EON module can be installed before or after mounting the Series 1550. We recommend installing the EON module prior to mounting.

1. Remove the cover plate in the center of the bottom of the Series 1550. Keep the screws for the installation of the EON module. Save the cover plate in case the EON module must be removed for service or repair.
2. Carefully pull the power supply cord from inside the Series 1550 and rest it in the notch of the cut out.
3. Insert the male connector on the EON power cord into the connector on the Series 1550 power supply cord. Make sure the connectors are firmly joined together.
4. Carefully slide the EON module into the Series 1550 while guiding the power supply cord and connector back through the notch.
5. Verify that the power supply cord is not pinched or cut by the EON module.
6. Attach EON module to Series 1550 with sheet metal screws from step 1. Do not overtighten.



MOUNTING

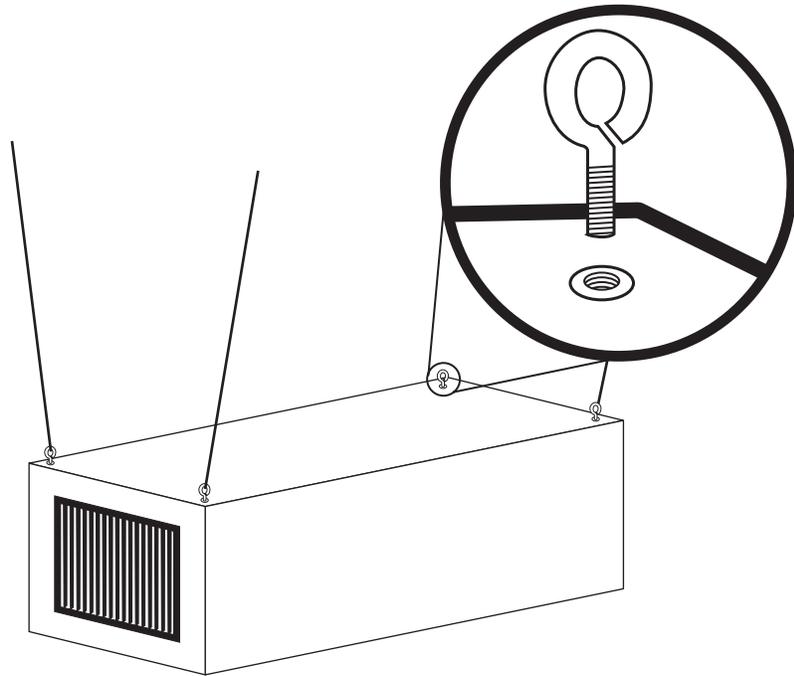
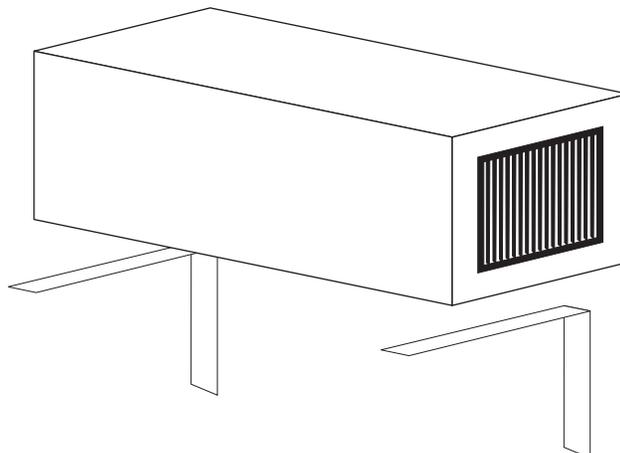
After determining the number of units required and where they are to be located, determine what anchor points are available to mount the air cleaner. Anchor points must be able to support the weight of the unit. Joists or beams are suitable for hanging. Wall brackets must be attached to wall studs. Do not attach to drywall, plaster board, suspended ceilings, etc.

CEILING MOUNT

To hang unit from the ceiling, screw 1/4 - 20 eye bolts into the threaded inserts located at the top corners of the unit. Use cable or chain to suspend the unit.

WALL MOUNT

To mount the unit to a wall, use large L-brackets for the unit to sit on. Make sure the brackets are attached to wall studs and that the spacing does not interfere with unit controls.

Hanging Illustration**Wall Mount Illustration**

The Series 1550 is operated by rotating the fan knob. The light should come on when the unit is running. Speed can be adjusted with the same knob. There should be a definite difference between low and high speed. If there is not, it may be time to service the filters.

PRE-FILTER

Your Eramco Series 1550 may be equipped with either a disposable or permanent, washable pre-filter. If your unit is equipped with a disposable pre-filter it must be replaced when it becomes dirty. It cannot be cleaned. The permanent, washable pre-filter can be maintained as follows.

1. Pull the pre-filter from the unit.
2. If there is a buildup of lint on the face of the filter, remove as much as possible with a vacuum cleaner.
3. A mild cleaner such as Fantastic or Ivory Liquid may be sprayed on the filter.
4. Lay the filter with the face down, A 1" or 2" object should be placed under one end of the frame to nozzle. Warm water can be used, Do not exceed 180° F.
5. Turn the filter over and repeat the procedure.
6. Shake excess water out of the filter and allow it to drip dry to the extent that it can be carried without dripping water.
7. Replace the filter in the air cleaner and turn the fan on. The air flow will dry the filter.

MAIN FILTER

The V-bag filter cannot be cleaned. When it becomes dirty (dark on the back side of the filter material) or restrictive to air flow, it should be replaced.

1. Pull the pre-filter out of the air cleaner.
2. Clean the pre-filter if needed.
3. Pull the V-bag out of the unit. Handle it carefully to minimize releasing dust into the air.
4. Place the filter in a plastic bag, seal the top, and dispose of it properly.
5. Install a new V-bag filter. Long bags can be used only in systems without the EON module. Short bags must be used with the EON module. It may be easier to install the V-bag with the fan on low. Make sure none of the filter material is caught under the metal frame.
6. Replace the pre-filter.

ADSORBENT FILTERS

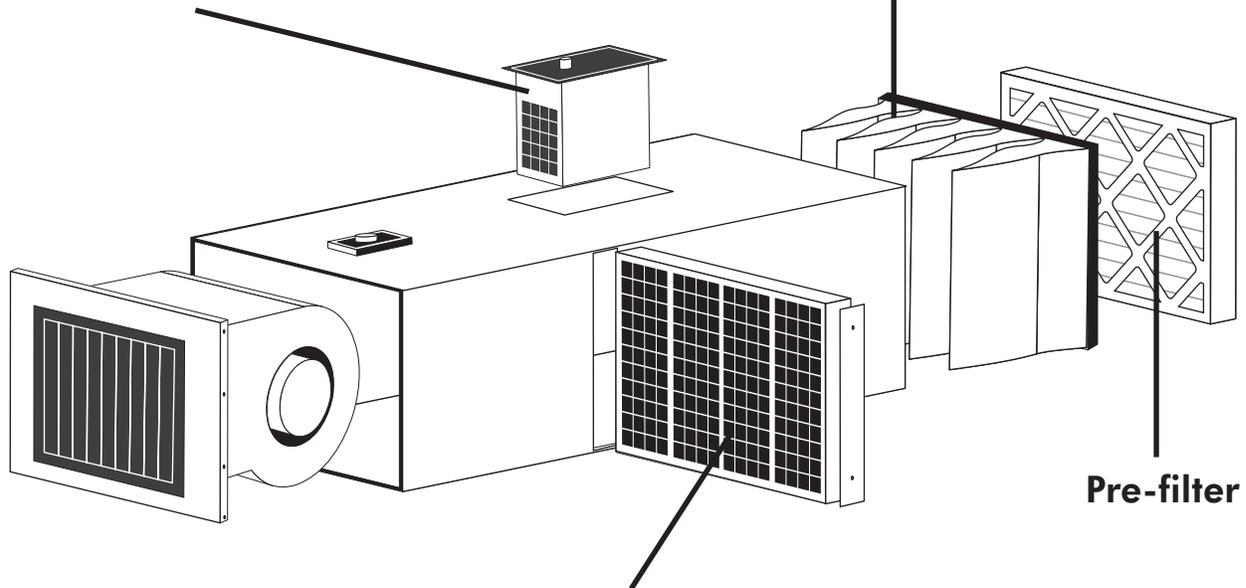
The adsorbent filter cannot be cleaned. Replace when the air coming out of the unit begins to have an odor. When it is spent, the potassium permanganate turns from purple to brown.

1. Twist the quick release catch on the side panel and remove the panel.
2. Pull the adsorbent filter from the unit and place it in a plastic bag. Handle the filter carefully to minimize dust release. Dispose of the used filter properly. The medium duty carbon filter has a removable carbon insert. Discard the insert and install a new one into the metal frame.
3. Remove the plastic wrap from the new adsorbent filter and slide the filter into the unit.
4. Replace the side panel and latch the quick disconnect catch.

| Part No. | Description |
|--------------|--------------------------------------------------------|
| 920-0002-105 | Disposable Pleated Pre-filter |
| 925-0338-105 | Permanent Electrostatic Pre-filter |
| 275-0001-001 | 12" V-bag Main Filter (for use with EON module) |
| 915-0012-002 | 24" V-bag Main Filter (cannot be used with EON module) |
| 920-0003-005 | Carbon Filter |
| 935-0087-001 | Heavy Duty Carbon Filter |
| 935-0088-001 | Potassium Filter |
| 935-0090-001 | Zeolite Filter |
| 975-0001-001 | Electronic Odor Neutralizer |
| 975-0110-001 | Wall Brackets |

**Optional
Electronic Odor Neutralizer**

Main Filter



Pre-filter

**Optional
14 lb. Carbon Filter**