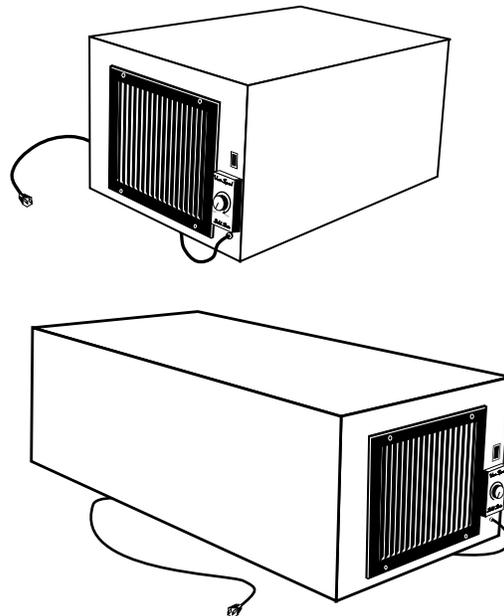


Save This Manual For
Future Reference

Installation and Service Manual

Read ALL
INSTRUCTIONS
carefully.



DUST FREE®
Breathe The Difference.

Series 465

Series 1500

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READ THIS MANUAL CAREFULLY

This manual contains the information necessary to install, operate and maintain your Dust Free® Series 465 or Series 1500. It contains essential information about the features of each machine. Pay special attention to the work environment and safety precautions.

Only trained, qualified installers and service mechanics should install and service this equipment. Untrained personnel can perform filter replacement. All other service operations should be performed by qualified personnel.

When working on this equipment, observe precautions in the literature, tags, stickers, and labels attached to the equipment. Follow all standard and local safety codes.

- Wear safety glasses and work gloves.

The Dust Free® Series 465 and 1500 systems are designed to capture particles from the air that passes through the filters in the cabinets. 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.

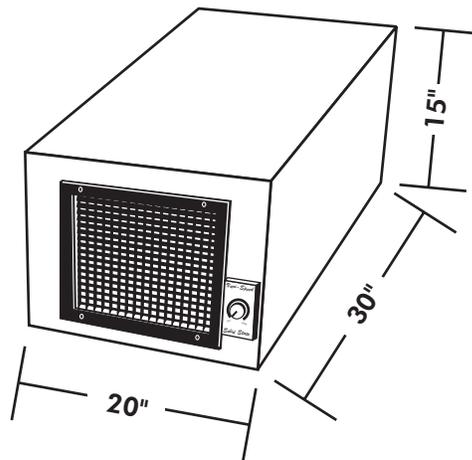
These devices, when properly installed, will reduce the level of airborne particles and will prevent excessive accumulation of airborne particles if particle generation is continuous. These devices will not “eliminate” airborne particles.

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 15ft or less above the floor. The pre-filters should be serviced each 30 to 60 days and the primary filters 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

Dust Free® Series 465 Specifications

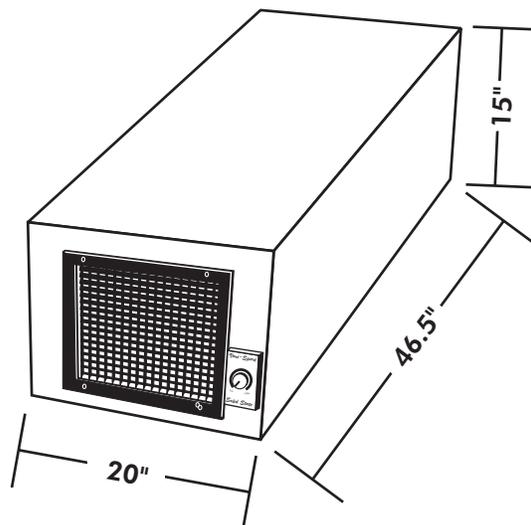
- Dimensions:** 30"L X 20"W X 15"H
- Weight:** 45 lbs.
- Motor:** 1/6 HP, Permanently lubricated, thermal protection 1075 rpm
- Blower:** Direct Drive, Forward Curve
- Power:** 115V, single phase, 50/60hz. Optional 230V, single phase, 50/60hz
- Circuit:** 15 amp circuit, 2.2 Full Load Amps
- Air Volume:** 500 CFM nominal



Note: Optional variable speed switch shown.

Dust Free® Series 1500 Specifications

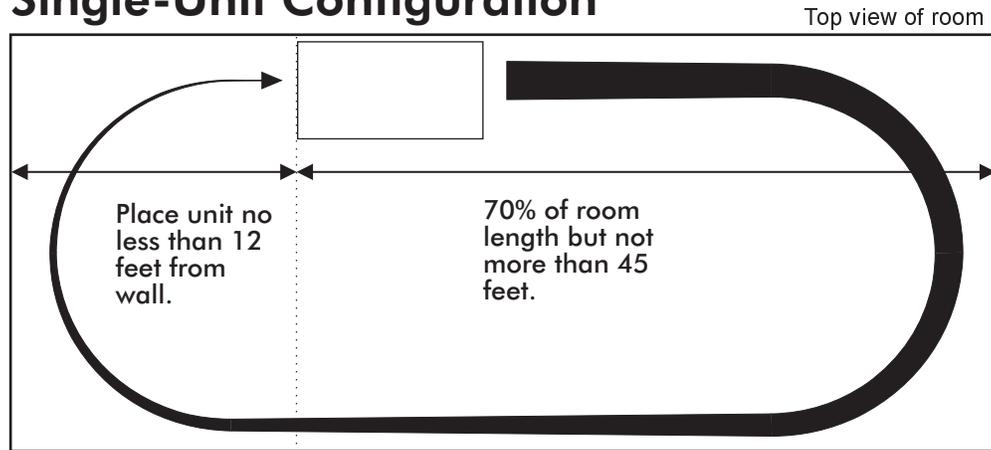
- Dimensions:** 46 1/2"L X 20"W X 15"H
- Weight:** 110 lbs.
- Motor:** 1/2 HP, Permanently lubricated thermal protection 1625 rpm
- Blower:** Direct Drive, Forward Curve
- Power:** 115V, single phase, 50/60hz
- Circuit:** 15 amp circuit, 6 Full Load Amps
- Air Volume:** 1400 CFM



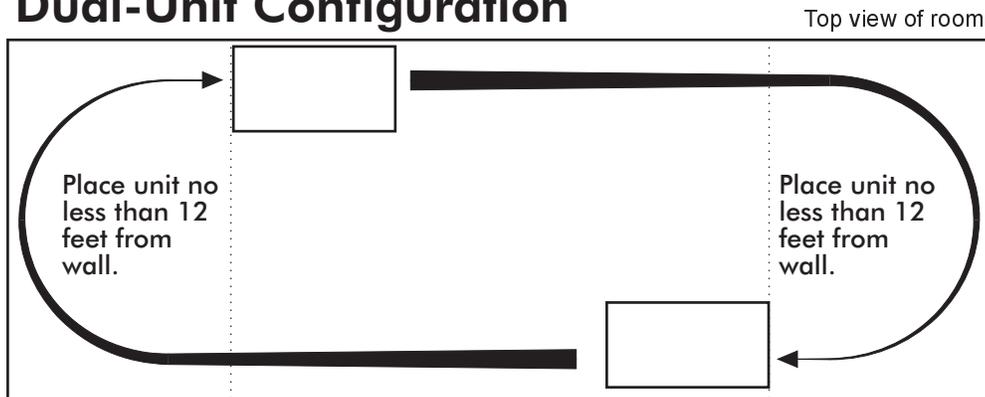
Note: Optional variable speed switch shown.

The Dust Free[®] air cleaners should be suspended from the ceiling at a height of 15ft 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.

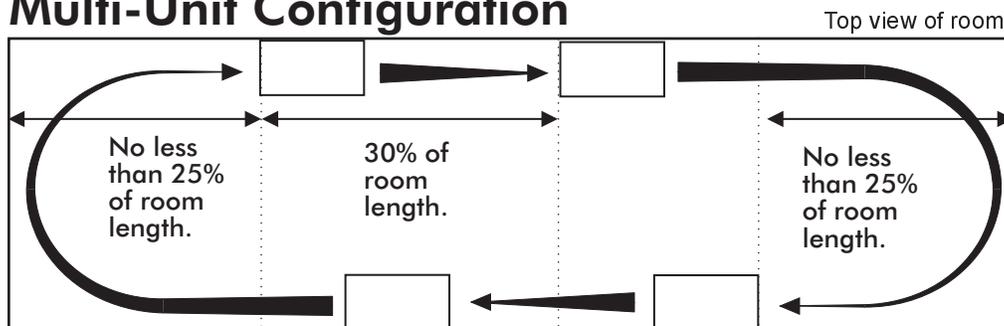
Single-Unit Configuration



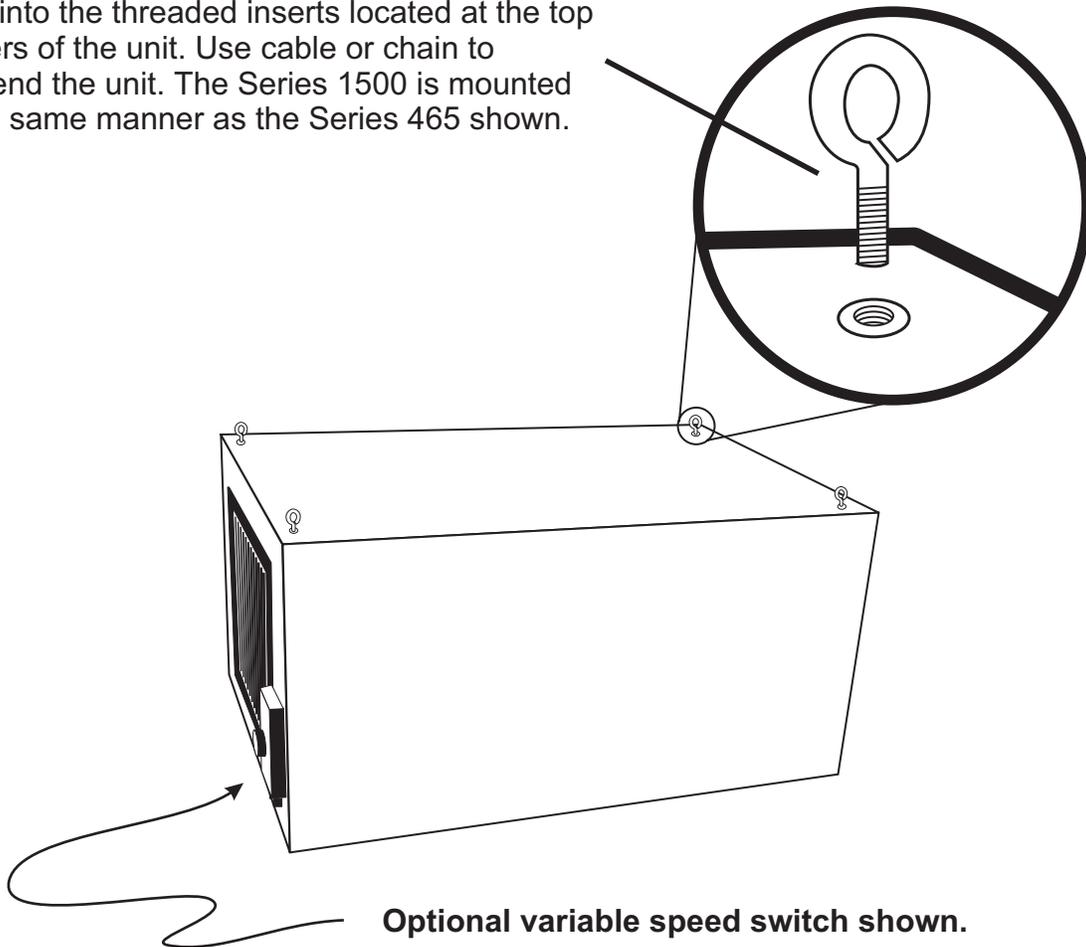
Dual-Unit Configuration



Multi-Unit Configuration



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. The Series 1500 is mounted in the same manner as the Series 465 shown.



Hang unit 15 feet or less above the floor.



Be certain your ceiling is capable of supporting the weight of the unit before attempting to mount it. Suspend your Dust Free[®] unit using standard hanging practices and materials that comply with local codes and requirements.

UNIT OPERATION

1. Place the unit in the desired location.
2. Plug the power cord into an appropriate electrical outlet. The outlet should be on a 15AMP dedicated circuit.
3. Flip the switch mounted on the front of the unit to the ON position.
4. Adjust the louvers to direct the air in a 40° spread left and right and 15° toward the floor.
5. Enjoy the results you will receive from using your new Dust Free® unit.

FILTER MAINTENANCE

The standard pre-filter in your Dust Free® unit may be either a permanent electrostatic air filter or a disposable air filter. The permanent electrostatic air filter works on the principle of static electricity. As air moves through the patented configuration of polypropylene filtration media static electric charges are created that filter dust, lint, pollen, mold spores, animal dander and other large particulates (greater than 10 microns) from the air. The permanent electrostatic pre-filter is washable and reusable so it can be cleaned as often as needed to maintain proper air flow and help protect and prolong the life of the main filter. The disposable pre-filter is a synthetic fiber non-woven media that loads from the inside out. When a noticeable build up of dirt occurs, remove the synthetic pad from the frame and replace it. *Filters must be replaced with filters of the same size, type, and efficiency rating to maintain the performance of the unit. Incorrect filters can lead to premature motor failure and will void the manufacturer's warranty.*

V-BAG or POLY CUBE REPLACEMENT

(The V-Bag or Poly Cube filter CANNOT be cleaned.)

1. Grasp pull tab located on the end of the electrostatic pre-filter and gently pull the filter from the unit. If your unit is equipped with a disposable pre-filter it will not have a pull tab.
2. Clean or replace the pre-filter as needed.
3. Grasp the frame of the V-Bag or Poly Cube filter with each hand and gently pull the filter from 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 or Poly Cube filter. Make sure the filter material is not caught under the metal frame.
6. Replace the pre-filter.

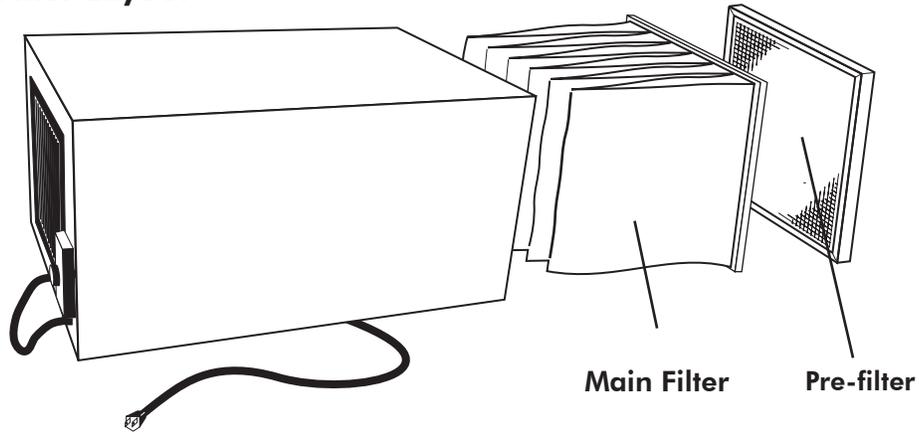
CLEANING THE PRE-FILTER(Electrostatic Pre-filter Only)

1. Grasp the pull tab located on the end of the electrostatic pre-filter and gently pull filter from 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, 409 or Ivory liquid may be sprayed on the filter.
4. Lay the filter with the inlet side down. A 1" to 2" object should be placed under one end of the frame to allow water to drain. Flush the detergent and dirt from the filter using a hose with a high pressure nozzle. Warm water can be used, as long as water temperature does not exceed 180°F.
5. Allow the filter to dry to the extent that it can be carried without dripping water.
6. Replace the filter, magnetic side facing the V-Bag filter. Turn the unit on.

REPLACING THE OPTIONAL ADSORBENT FILTER(Series 1500 Only)

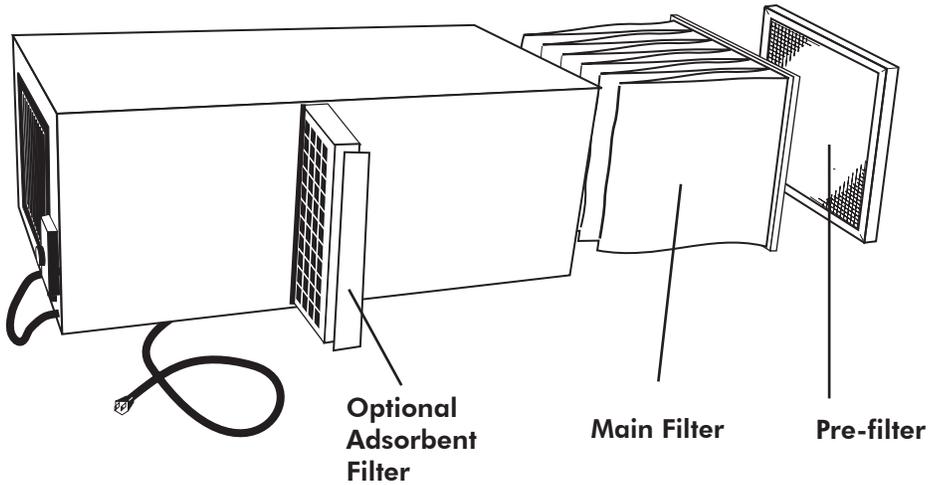
When a noticeable odor emits from the air cleaner, the adsorbent media is saturated. Unlatch the access panel, remove the adsorbent panel and replace it with a new panel. The new panel is wrapped to protect the media. Remove the wrapping prior to installation.

Series 465 Filter Layout



| Part No. | Description |
|--------------|---|
| 04008 | Washable Electrostatic Pre-filter |
| 04025 | Disposable Synthetic Fiber Pre-filter, 12 Filters Per Box |
| 210253-01 | 65% ASHRAE 6-pocket Main Filter, Single |
| 275-0001-001 | 95% ASHRAE 6-pocket Main Filter, Single |
| 750-0010-001 | Variable Speed Switch |
| | |
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| | |

Series 1500 Filter Layout



| Part No. | Description |
|--------------|---|
| 04008 | Washable Electrostatic Pre-filter |
| 04025 | Disposable Synthetic Fiber Pre-filter, 12 Filters Per Box |
| 915-0012-001 | 65% ASHRAE 6-pocket Main Filter, Single |
| 915-0012-002 | 95% ASHRAE 6-pocket Main Filter, Single |
| 04032 | 10 lbs. Heavy Duty Carbon |
| 750-0010-001 | Variable Speed Switch |
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