

# FlushMount500

## USER MANUAL



**MATRIX**air  
a division of Sol-Air

## READ AND SAVE THESE INSTRUCTIONS

### Warnings

1. Always unplug or disconnect the air cleaner from power supply before servicing.
2. To reduce the risk of electric shock or injury to persons, do not expose to water or rain, do not use in a window.
3. Do not use this fan with any solid state speed control device.

### Equipment



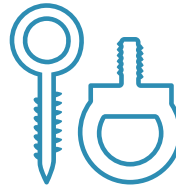
The FlushMount500 has a (8) foot power cord and a three prong grounded plug. Electrical: 120 volts, .74 amps.



Each unit includes a years supply of filters which consists of twelve (12) Pre-Filters, six (6) Carbon Filter, and one (1) Galvanized HEPA Filter.



Each unit is equipped with industrial hanging wire for easy installation.



Each unit is equipped with two (2) eye bolts, two (2) eye lags.

### Installation

We recommend installation be performed by a licensed contractor, licensed electrician or equivalent.

**STEP 1** Remove the system from the shipping container.

**STEP 2** On either side of the system there are two mounting holes where the eye bolts are inserted. It is easiest to screw the eye bolts into these mounting holes before mounting the unit into the ceiling. If the area above the drop ceiling is tight for space, then the eye bolts may need to be placed in the mounting holes after the system is in the drop ceiling.

**STEP 3** Remove the ceiling tile(s). The system will fit into either one 2x4 or two 2x2 tiles.

**STEP 4** If the system is being installed into a drop ceiling that has joists, steel girders or exposed beams above the unit it can be hung without the eye lags (see step 5). At least one eye lag will be needed if the system is being installed into a ceiling that is solid above (see step 6).

## STEP 5

Locate either a joist, girder or beam that is directly above the tile where your system will be installed. After you have located it, drape the industrial hanging wire over the apparatus so either side is evenly dispersed. Line up the eye bolts with the hanging wire so they are vertical. Thread one end of the hanging wire through one of the eye bolts, loop the wire and twist tightly together. Thread the opposite end of the hanging wire through the opposite eye bolt. Pull the wire tight. The system should be only slightly resting on the grid work of the drop ceiling. After you have adjusted the weight of the system on the grid work, then loop the wire and twist tightly together.

## STEP 6

Locate a stud in the solid ceiling that is directly above the tile where the system will be installed. Fasten the eye lag into the stud making sure to line up the eye lag with the eye bolts on the system so the hanging wire will hang vertically. Thread the hanging wire through the eye lag so that either side is evenly dispersed. Thread one end of the hanging wire through one eye bolt, loop the wire and twist tightly together. Thread the opposite end of the hanging wire through the opposite eye bolt. Pull the wire tight. The system should be only slightly resting on the grid work of the drop ceiling. After you have adjusted the weight of the system on the grid work, then loop the wire and twist tightly together.

## Filter Changing\*

Pre-Filter: Replace every 3 to 4 weeks.

Carbon Filter: Replace at least every 2 months.

HEPA Filter: Replace at least every 12 months.

### Pre-Filter

The Pre-Filter is located behind the intake grill. Remove the intake grill by simply pushing up on the grill and removing at an angle. The intake grill is located on the opposite end of where the label is found. The Pre-Filter is a blue and white polyester, Pre-Tack Filter. The Pre-Filter is the first filter behind the intake grille. Peel away dirty Pre-Filter and discard. Install the new Pre-Filter with the white side out. Replace intake grill. DO NOT WASH PRE-FILTERS.

### Carbon Filter

The Carbon Filter is located behind the Pre-Filter. Follow Pre-Filter changing instructions from Step 1. Remove used Carbon Filter, discard and replace with new Carbon Filter.  
DO NOT WASH CARBON FILTERS.

### HEPA Filter

The HEPA Filter is a pleated media surface with a galvanized aluminum frame located behind the Pre-Filter and Carbon Filter. Slip the HEPA Filter out of the system, discard and replace with new H.E.P.A. Filter.  
DO NOT WASH HEPA FILTER.

\*Air Cleaner location and Filter maintenance may vary according to each situation.

**MATRIXair**  
a division of Sol-Air

800.426.2611  
matrixair.com  
info@matrixair.com

