MATRIXAIR
Industrial Air Filtration Solutions

FLUSHMOUNT SERIES
Installation Guide

ABOUT MATRIXAIR

Since 1983, MatrixAir has manufactured safe and efficient air filtration systems based on a simple, highly effective approach known as the Triple Filtering System. This triple layer of environmentally safe filters has been proven effective in treating indoor odors, pollutants and contaminants to leave air clean and contaminant free.

INCLUDED PARTS

FlushMount1000

(2) Eye Bolts

(2) Eye Lags

20 Feet of Industrial Hanging Wire

FlushMount2000

(6) Eye Bolts

(6) Eye Lags

30 Feet of Industrial Hanging Wire

FlushMount22

No additional parts included

Each unit includes a one-year supply of filters which includes:

(12) Pre-Filters

(6) Carbon Filters

(1) Proprietary High Efficiency Filter

Suggested Installation Tools:

1 ½”-2” Phillips pan head screws
Fender Washers
Molding of your choice

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

FLUSHMOUNT INSTALLATION

Drop Ceiling Installation for FlushMount1000 & FlushMount2000

1. Once removed from the shipping container, remove the extra carbon and pre-filters located in the proprietary high efficiency filter end of the unit. Additional parts (if applicable) are located in between the layers of pre-filter.

2. Remove the adjustable exit louver, loosen thumb screws and remove the proprietary high efficiency filter bar and proprietary high efficiency filter. Removing this will make the system lighter for installation.

3. The FlushMount1000 features two eye bolt holes on either side of the unit. The FlushMount2000 features six mounting holes around all four sides of the unit. Screw in all eye bolts.

4. Remove the desired ceiling tile location, as well as all adjacent ceiling tiles. The FlushMount1000 and FlushMount2000 will fit into either one 2x4 ceiling tile, or two 2x2 ceiling tiles.

5. If the system us being installed into a drop ceiling that has joists, steel girders, or exposed beams, the system can be hung without the use of eye lags, and you can skip to step 7.

6. For systems being installed in a drop ceiling with a solid ceiling above, at least one eye lag will need to be used for the FlushMount1000, and at least three eye lags will need to be used to support the FlushMount2000.

7. Locate either a joist, girder, beam (or eye lags for solid ceilings) above the tile where the unit will be installed. After located, drape the hanging wire over the support so that both sides are evenly dispersed.

8. Move the unit onto its side and lift the unit through the desired opening, leveling it out as you lift to ensure both ends are through the grid, then slide it back into position. Always support the heavier end, where the motor is located.

9. While supporting the unit, thread one end of the hanging wire through one of the eye bolts, loop the wire and twist tightly. Thread the opposite end of the hanging wire through the opposite eye bolt, pulling the wire tight. The system should only be lightly resting on the grid of the drop ceiling. After the weight of the system has been adjusted on the grid work, loop the wire, twist it tightly and repeat for the remaining eye bolts.

10. Once the system is completely installed, place the proprietary high efficiency filter back into the system, making sure it is snug. Replace the proprietary high efficiency filter bar, tighten the thumb screws and reinstall the adjustable exit louver.

FLUSHMOUNT INSTALLATION CONTINUED

Solid Ceiling Installation for FlushMount22, FlushMount1000 & FlushMount2000

1. Once system is removed from the shipping container, remove all three filters, including the proprietary high efficiency filter bar at the exit end.

2. After deciding on the location and direction of air flow, locate the studs between which the unit will be positioned.

3. Mark out the area where the ceiling will be cut, ensuring there is an electrical source above the cut out (minimum 47” x 22.5”)

4. Remove the piece of ceiling that has been cut, ensuring there are no remaining screws, nails or other debris remaining.

5. Raise the unit into the ceiling, leaving it protruding from the ceiling to account for the thickness of the molding that you are using to frame the outside of the unit.

6. From inside the unit, use 1 ½" to 2" Phillips pan head screws and fender washers to screw the unit into studs. Position the screws as close to the top of the studs as possible in order to make proprietary high efficiency filter replacements easier.

7. Install the proprietary high efficiency filter and proprietary high efficiency filter bar. Replace the adjustable exit louver.

8. Finish the unit by framing with the molding of your choice.

FILTER INSTALLATION & REPLACEMENT

Each FlushMount Air Filtration System comes pre-installed with one pre-filter, one carbon filter and one proprietary high efficiency filter. Pre-filters should be replaced monthly, carbon filters replaced every two months and proprietary high efficiency filter annually. Please use the provided chart to track filter changes.

Pre-Filter Replacement

Unlatch the side door and remove the filter holder from inside the unit. The pre-filter is the first filter located within the unit. Remove the used pre-filter, discard and replace with the new pre-filter. Reinstall filter holder when complete.

Carbon Filter Replacement

The Carbon Filter is located behind the Pre-Filter. Follow Pre-Filter changing instructions. Remove used carbon filter, discard and replace with new carbon filter.

Proprietary High Efficiency Filter Replacement

The proprietary high efficiency filter is a pleated media surface with a galvanized aluminum frame located behind the pre-filter and carbon filter. Slide the proprietary high efficiency filter out of the system, discard and replace with a new proprietary high efficiency filter.

WARNINGS

Always unplug or disconnect the air cleaner from power supply before servicing.

To reduce the risk of electric shock or injury to persons, do not expose to water or rain, do not use in a window.

Do not use this fan with any solid-state speed control device.

FILTER REPLACEMENT SCHEDULE

Pre-Filter Replacement Schedule

Recommended replace every 3-4 weeks.

Filter Change	Date Completed
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Carbon Filter Replacement Schedule

Recommended replace every 8 weeks.

Filter Change	Date Completed
1	
2	
3	
4	
5	
6	