



*Mighty Mo Air Disrupter,  
Subfloor air balance system*

MMADISXXYY

# Installation Manual

OR-71601762

Air Disrupter



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*Mighty Mo Air Disrupter Subfloor air balance system*  
**INSTALLATION MANUAL**

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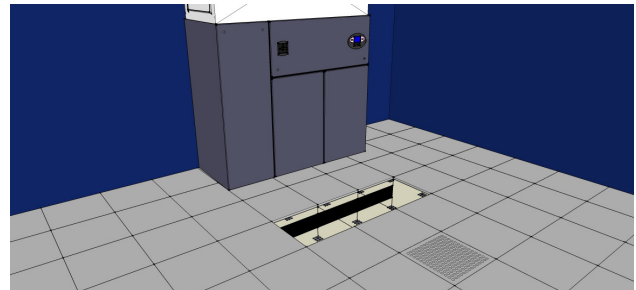
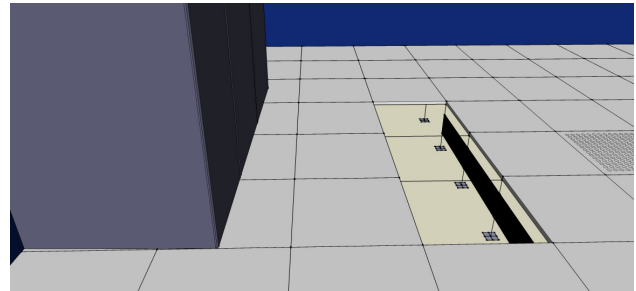
**1. Overview**

The Ortronics Air Disrupter is the most efficient way to balance subfloor air pressure in data centers. The Air Disrupter is designed to slow subfloor air velocity so as to increase pressure. This simple scientific solution will balance subfloor pressure, which enables supply air at any place in the data center.

The Velocity Adjustor is made of Sandel “The fire fighting fabric”. This completely non-flammable cover ensures that the Air Disrupter is completely safe to use in a supply plenum.

The Air Disrupter comes in three sizes that accommodate most common subfloor height.

**Figure 1**



## 2. Safety and Quality Assurance

The following recommendations should be carefully observed as part of any Air Disrupter subfloor air balance system installation. In particular, the safety of the installers must be placed ahead of all other considerations. Some of the following warnings or cautions have been highlighted in the appropriate sections of the manual.

1. Do read and follow the Air Disrupter Installation Manual.
2. Ensure that only one raised floor tile is open at a time.
3. Follow OSHA guidelines for working around electrical cables.
4. DO NOT pull any computer cables during installation.
5. DO NOT install the Air Disrupter closer than 4 feet in front of the AC units.
6. DO ensure that the stanchions are secure to the floor and in place.

## 3. Cautions and Warnings

This manual contains important information of the installation of the Air Disrupter. We strongly recommend that you read and follow the instructions contained in this manual.

At several points in the manual items of special interest or significant impact are highlighted by one of the following notices.

**Warning:** Hazards or unsafe practices that could cause personal injury or death.

**Caution:** Hazards or unsafe practices that could cause product damage.

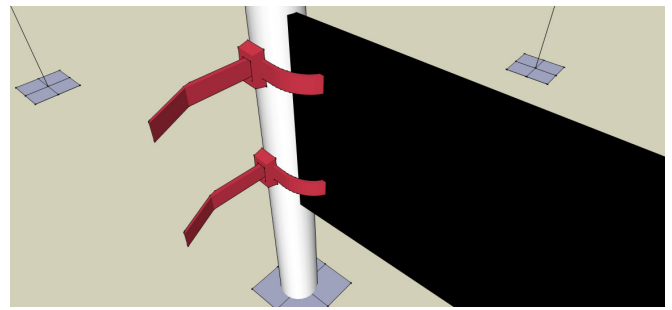
**Note:** Significant points of interest.

## 4. Components

The major components for the Air Disrupter are shown in Figure 2

The components include:

1. The Air Disrupter 24 inches wide.
2. Cable ties for attaching



## 5. The Air Disrupter Kits and SKU #s

The Air Disrupter Partition comes in three standard sizes. Sizes based on depth of subfloor.

The kit SKU number is one of four:

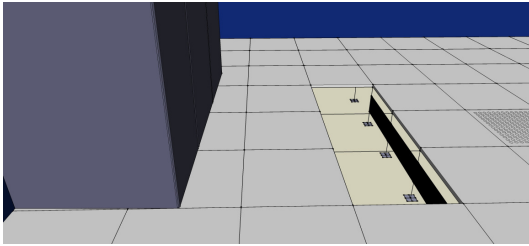
6 inches high	MMADIS0624
12 inches high	MMADIS1224
18 inches high	MMADIS1824
24 inches high	MMADIS 2424

## 6 Installation Guide

The Air Disrupter is easy to install. We recommend using cable ties to attach to the four corners of the Air Disrupter and the stations.

Install the Air Disrupter no closer than 4 feet from the AC unit discharge.

The preferred distance is from 5 or 8 feet.



**5 to 8 feet from the AC unit discharge**

Position the Air Disrupter half way between the bottom of the floor and the bottom of the raised floor.

Pull the cable ties till it is firm or taunt.

## **6 Misc Reference Material**

We are including additional detail views of the Air Disrupter.

