

INSTALLATION GUIDE





Please Help Us Improve This Manual

We would be very interested to hear any comments you might have on this new installation manual. We are particularly interested in learning of omissions or subjects that are unclear. Please call, fax, or e-mail and direct your comments to Technical Service. Thank you very much for your assistance.

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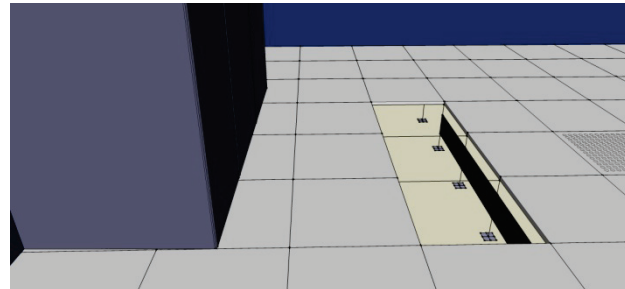
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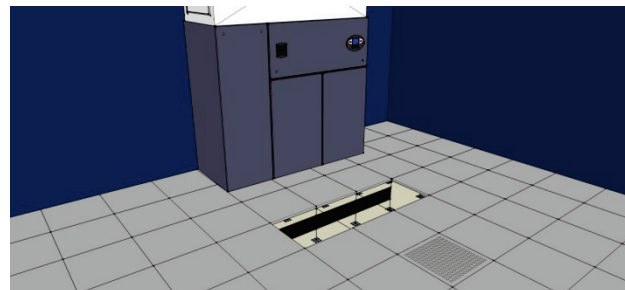
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1. Overview

The Tate In-floor Air Velocity Adjustor is the most efficient way to balance subfloor air pressure in data centers. The In-floor Air Velocity Adjustor is designed to diffuse subfloor air and eliminate under floor air bypass. This simple scientific solution will balance subfloor pressure, which enables supply air at any place in the data center.



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



2. Safety and Quality Assurance

The following recommendations should be carefully observed as part of any In-Floor Air Velocity Adjustor 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.

- **DO** read this Installation Guide thoroughly prior to beginning any work.
- **DO NOT** open more than one raised floor tile at a time.
- **ALWAYS** follow OSHA guidelines for working around electrical cables.
- **DO NOT** pull any computer cables during installation.
- **DO NOT** install the In-floor Velocity Adjustor closer than 4 feet in front of the AC units.
- **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 In-Floor Air Velocity Adjustor. We strongly recommend that you read and follow the instructions contained in this manual.

At several points in the manual there may be items of special interest or significant impact which 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 In-floor Velocity Adjustor include:

- The In-floor Air Velocity Adjustor 24 inches wide.

Note:

Please refer to the ContainAire Application Guide for additional information and to determine proper product selections.

5. Assembly

Estimated Time Requirement for Unpacking/Assembly/Installation

The experienced installer of the In-floor Air Velocity Adjustors should plan on approximately 10 minutes per adjustor for unpacking, assembly and installation. A single individual is required for installation. Inexperienced installers should double the above time estimate.

The Air Velocity adjustor is easy to install. We recommend using cable ties to attach to the four corners of the In-floor Air Velocity Adjustor and the stations.

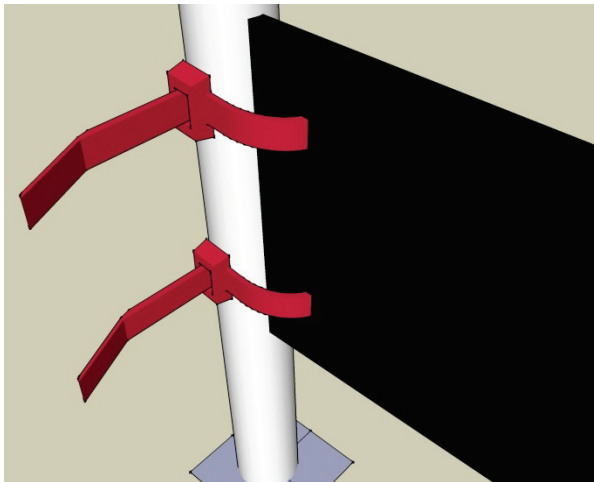


Figure 1: The In-floor Air Velocity Adjustor Halfway between the slab and the access floor

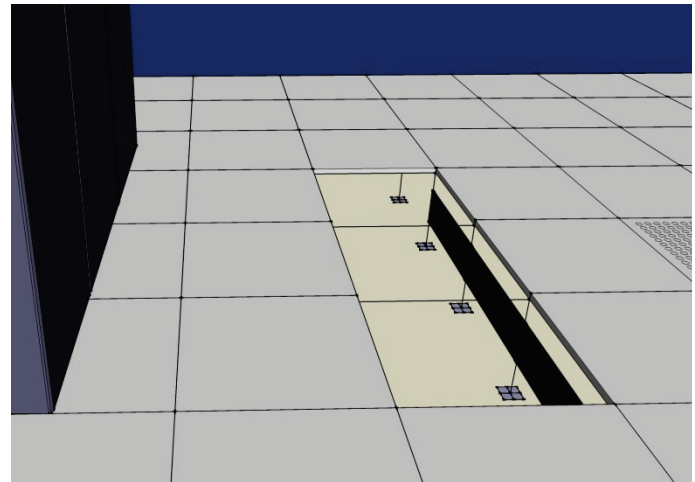


Figure 2: 5 to 8 feet from the AC unit discharge

1. Position the In-floor Air Velocity Adjustor half way between the bottom of the floor and the bottom of the raised floor.

Install the In-floor Air Velocity Adjustor no closer than 4 feet from the AC unit discharge. The preferred distance is from 5 or 8 feet.

2. Pull the cable ties till it is firm or taut.