Vertiv VC-AC-0011

Vertiv VC-AC-0011 Aisle Containment Accessory 24in (600mm) Height Adapter Brush User Manual

Model: VC-AC-0011

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of the Vertiv VC-AC-0011 Aisle Containment Accessory 24in (600mm) Height Adapter Brush. This product is designed to integrate seamlessly into existing aisle containment systems, providing an effective seal for varying height requirements and preventing air bypass in data center environments. Adhering to these instructions will ensure optimal performance and longevity of the accessory.

2. Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in personal injury or damage to the equipment.

- Always wear appropriate personal protective equipment (PPE), such as gloves and safety glasses, during installation.
- Ensure that all tools used are in good working condition.
- Do not attempt to modify the product. Unauthorized modifications can compromise safety and void the warranty.
- Keep the work area clear and well-lit.
- If any part of the product appears damaged, do not proceed with installation. Contact Vertiv support.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. If any items are missing or damaged, contact your supplier immediately.

- Vertiv VC-AC-0011 Height Adapter Brush Assembly (1 unit)
- Mounting Hardware Kit (screws, washers, nuts, etc.)

- Installation Guide (this document)

4. Setup and Installation

The VC-AC-0011 Height Adapter Brush is designed for straightforward installation into compatible aisle containment systems. Follow these steps carefully.

4.1. Pre-Installation Checks

- Identify the specific location within the aisle containment system where the height adapter brush will be installed.
- Ensure the mounting surface is clean, dry, and free from obstructions.
- Confirm that the dimensions of the installation area are compatible with the 24in (600mm) adapter brush.

4.2. Installation Steps

1. **Position the Adapter:** Carefully align the VC-AC-0011 height adapter brush with the designated mounting points on the aisle containment structure. Ensure the brush bristles face the direction requiring sealing.
2. **Secure with Hardware:** Using the provided mounting hardware, attach the adapter brush to the containment system. Start by hand-tightening all screws to allow for minor adjustments.
3. **Adjust Alignment:** Verify that the adapter brush is level and properly seated, creating an effective seal without excessive pressure or gaps. Adjust as necessary.
4. **Final Tightening:** Once properly aligned, securely tighten all mounting screws. Do not overtighten, as this may damage the product or the containment structure.
5. **Inspect Seal:** Visually inspect the installed brush to ensure a continuous and effective seal against the adjacent surface. Check for any light leakage or visible gaps.

5. Operation

The Vertiv VC-AC-0011 Height Adapter Brush is a passive component designed to maintain thermal separation within a data center's aisle containment system. Once correctly installed, it operates continuously by providing a physical barrier to prevent hot and cold air mixing.

- **Continuous Sealing:** The brush maintains a constant seal against the adjacent surface, adapting to minor irregularities and preventing air bypass.
- **No Active Controls:** This accessory does not require any active controls or power. Its function is purely mechanical.
- **Regular Monitoring:** Periodically inspect the brush for proper contact and integrity of the seal to ensure ongoing thermal efficiency.

6. Maintenance

Regular maintenance ensures the continued effectiveness and longevity of your Vertiv VC-AC-0011 Height Adapter Brush.

- **Cleaning:** Periodically clean the brush bristles and surrounding frame using a soft, dry cloth. If necessary, a slightly damp cloth with mild, non-abrasive cleaner can be used, ensuring the surface is dried immediately afterward. Avoid harsh chemicals.
- **Inspection:** Annually, or more frequently in dusty environments, inspect the brush for signs of wear, damage,

or deformation. Check that the bristles are intact and providing a consistent seal.

- **Hardware Check:** Verify that all mounting hardware remains securely tightened. Retighten if any looseness is detected.
- **Replacement:** If the brush shows significant wear, damage, or is no longer providing an effective seal, it should be replaced to maintain optimal containment performance.

7. Troubleshooting

This section addresses common issues that may arise with the VC-AC-0011 Height Adapter Brush.

Problem	Possible Cause	Solution
Air leakage around the brush.	Improper installation, loose mounting hardware, worn bristles, or obstruction.	Re-check alignment and tighten mounting hardware. Inspect bristles for wear and replace if necessary. Clear any obstructions.
Brush appears deformed or damaged.	Physical impact, excessive pressure during installation, or material fatigue.	Inspect for cause of damage. If functionality is compromised, replace the adapter brush.
Difficulty in mounting the adapter.	Incorrect alignment, incompatible mounting points, or obstructions.	Verify compatibility with the containment system. Ensure proper alignment before tightening. Clear any obstructions.

If the issue persists after attempting these solutions, please contact Vertiv technical support.

8. Specifications

Feature	Detail
Model Number	VC-AC-0011
Product Type	Aisle Containment Accessory (Height Adapter Brush)
Nominal Height	24 inches (600mm)
Manufacturer	Vertiv
Package Dimensions	42 x 39 x 29 inches
ASIN	B0C82R4C6K
Date First Available	April 29, 2024

9. Warranty and Support

For specific warranty information regarding the Vertiv VC-AC-0011 Height Adapter Brush, please refer to the warranty documentation provided at the time of purchase or visit the official Vertiv website. Vertiv offers technical support to assist with any questions or issues you may encounter.

Contact Information:

- **Vertiv Official Website:** www.vertiv.com

- Refer to the website for regional support contacts and service information.

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