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Ideal-Air 736460

Ideal-Air 8 Inch Duct Collar: Installation and Use Manual

Model: 736460

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Ideal-Air 8 Inch Duct Collar. This product is designed to provide a quick and secure solution for connecting HVAC ducting to wall, floor, or ceiling openings, ensuring an air-tight seal. Please read this manual thoroughly before installation and retain it for future reference.

Safety Information

Always observe basic safety precautions when working with tools and HVAC components. Failure to follow these instructions may result in property damage or personal injury.

- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation.
- Ensure that power to any associated HVAC system is disconnected before beginning installation.
- Handle sheet metal edges with care as they can be sharp.
- Verify that the installation surface is structurally sound and can support the ducting system.
- Consult local building codes and regulations for proper HVAC installation practices.

Package Contents

Upon opening the package, verify that all components are present and undamaged.

- 1 x Ideal-Air 8 Inch Duct Collar (Model 736460)



Image showing the Ideal-Air 8 Inch Duct Collar, highlighting its galvanized steel construction and the integrated mounting flange with adhesive neoprene gasket.

Installation Instructions

Follow these steps for proper installation of the Ideal-Air 8 Inch Duct Collar:

1. **Prepare the Opening:** Identify the desired location on the wall, floor, or ceiling for duct connection. Using an appropriate tool (e.g., a hole saw or jigsaw), create a circular opening. For an 8-inch duct collar, it is recommended to cut a hole slightly under 8 inches (e.g., 7 7/8 inches or 7 15/16 inches) to allow for a snug fit, which can then be slightly enlarged if necessary. Avoid cutting exactly 8 inches initially, as this may result in a loose fit.
2. **Clean the Surface:** Ensure the surface around the opening is clean, dry, and free of dust or debris to allow for proper adhesion of the gasket.
3. **Position the Duct Collar:** Insert the cylindrical portion of the Ideal-Air Duct Collar into the prepared opening. The 1.5-inch mounting flange, equipped with an adhesive neoprene gasket, should rest flush against the surface.
4. **Secure the Collar:** The adhesive neoprene gasket provides an initial air-tight seal. For a permanent and secure installation, use appropriate fasteners (e.g., screws, rivets, or sheet metal screws, not included) to attach the mounting flange to the wall, floor, or ceiling. Ensure fasteners are evenly spaced around the flange for optimal stability and seal integrity.

5. **Connect Ducting:** Slide the 8-inch flexible or rigid ducting over the collar. Secure the ducting to the collar using duct clamps, metal straps, or appropriate sealing tape (not included) to ensure an air-tight connection.
6. **Verify Seal:** After installation, visually inspect all connections to ensure they are secure and air-tight.

The duct collar is constructed from durable galvanized steel, providing resistance to corrosion and ensuring long-lasting performance.

Operation

The Ideal-Air 8 Inch Duct Collar is a passive component designed to facilitate a secure and air-tight connection within an HVAC ducting system. Once properly installed and connected to ductwork, it functions continuously without requiring user interaction. Its primary role is to maintain the integrity of the air path between the duct and the structural opening.

Maintenance

The Ideal-Air Duct Collar requires minimal maintenance. Periodically inspect the collar and its connections for any signs of wear, damage, or air leaks. Ensure that all fasteners and ducting connections remain secure. If any damage to the gasket or collar is observed, consider replacement to maintain system efficiency and air-tightness. Clean the exterior surface with a damp cloth if necessary.

Troubleshooting

Problem	Possible Cause	Solution
Air Leakage around Collar	Improperly sized opening, loose fasteners, damaged gasket, or inadequate ducting connection.	• Ensure the opening size is appropriate for a snug fit. • Tighten all fasteners securing the flange to the surface. • Inspect the neoprene gasket for damage; if damaged, consider replacing the collar or applying additional sealant. • Verify ducting is securely clamped and sealed to the collar.
Ducting does not fit collar	Ducting is not precisely 8 inches, or collar diameter is slightly off.	• For tight fits, gently expand the ducting end or slightly compress the collar. • For loose fits, use additional layers of sealing tape or a stronger clamp.
Collar feels flimsy after installation	Insufficient number of fasteners or improper type of fasteners used.	• Add more fasteners around the flange. • Ensure fasteners are appropriate for the wall/floor/ceiling material.

Specifications

Feature	Detail

Feature	Detail
Model Number	736460
Duct Size	8 Inch
Material	Galvanized Steel
Mounting Flange	1.5 inches with adhesive neoprene gasket
Product Dimensions	11.3 x 11.2 x 6.3 inches
Item Weight	1.12 pounds
Manufacturer	Sunlight Supply Inc.

Warranty and Support

Specific warranty information for the Ideal-Air 8 Inch Duct Collar is not provided in this manual. Please refer to the product packaging or contact the retailer or manufacturer directly for details regarding warranty coverage and customer support. For technical assistance or inquiries, please reach out to Sunlight Supply Inc. customer service.

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