QUICK CONNECT HT-2X2-SPL10

HaVACo 2'x2' Lay-In 3 Cone Supply with 10" Pre-Molded Boot Instruction Manual

Brand: QUICK CONNECT

Model: HT-2X2-SPL10

Product Overview

The HaVACo 2'x2' Lay-In 3 Cone Supply with 10" Pre-Molded Boot is a high-quality ceiling diffuser designed for efficient air distribution in heating, cooling, and ventilation systems. Constructed from durable ABS plastic, this unit offers resistance to rust, corrosion, and discoloration, ensuring long-term performance. Its lightweight and robust design prevents damage from accidental drops, a common issue with metal alternatives. The diffuser features a patented easy-attach knob for tool-free installation and simple disassembly for maintenance. It is suitable for commercial, light commercial, and retrofit applications.



Figure 1: Front view of the HaVACo 2'x2' Lay-In 3 Cone Supply Diffuser, showing the multi-cone design.

Key Features

- **Durable Construction:** Made from high-quality ABS plastic, resistant to rust, corrosion, and discoloration. Designed to withstand accidental drops without damage or bending.
- **Simple Installation:** Features a patented easy-attach knob for tool-free fitting, ensuring quick and effortless setup. Smooth design minimizes risk of injury during handling.
- **Enhanced Aesthetics:** Elegant design provides a modern appearance, improving the overall look of any space while serving heating, cooling, and ventilation needs.
- **Easy Maintenance:** Designed for simple disassembly and removal, allowing for fast and easy cleaning. The unit is also commercial dishwasher-safe for added convenience.
- **Made in USA:** Manufactured in the USA, ensuring quality craftsmanship and a consistent showroom appeal.



Figure 2: Illustration of the patented Quick-Connect Knob for easy maintenance and available pre-molded boot sizes.

Setup and Installation

The HaVACo Lay-In Diffuser is designed for straightforward installation into standard 2'x2' ceiling grids. No special tools are required.

1. **Prepare the Opening:** Ensure the ceiling grid opening is clear and measures 2'x2' (24"x24"). If replacing an existing diffuser, remove the old unit.
2. **Connect Ductwork (if applicable):** If the diffuser is being connected to new ductwork, ensure the 10" pre-molded boot is securely attached to the flexible or rigid duct.



Figure 3: Ensure proper connection of ductwork to the pre-molded boot.

3. **Position the Diffuser:** Carefully lift the diffuser into the ceiling grid opening. The edges of the diffuser are designed to rest directly on the grid rails.



Figure 4: Lifting the diffuser into position within the ceiling grid.

4. **Secure the Diffuser:** Once positioned, the diffuser will lay securely in the grid. For additional stability or to prevent accidental dislodgement, the patented easy-attach knob can be used to secure the cone assembly to the boot.



Figure 5: Inserting the cone assembly into the diffuser frame.



Figure 6: The easy-attach knob mechanism visible from the bottom of the diffuser.

Operation

The HaVACo Lay-In Diffuser functions as a passive component of your HVAC system, distributing conditioned air (heating or cooling) or facilitating ventilation. Once installed, it requires no active operation. Airflow is controlled by your central HVAC system.

Maintenance

Regular cleaning of your diffuser will help maintain optimal airflow and appearance. The HaVACo diffuser is designed for easy maintenance:

- **Disassembly:** The cone assembly can be easily removed from the main frame by unscrewing the easy-attach knob. This allows for thorough cleaning of both components.
- **Cleaning:** Clean the ABS plastic components with mild soap and water. For commercial environments, the diffuser is commercial dishwasher-safe, allowing for hygienic cleaning. Avoid abrasive cleaners or harsh chemicals that could damage the plastic.
- **Reassembly:** After cleaning and drying, reattach the cone assembly to the frame using the easy-attach knob.



Figure 7: The diffuser's design facilitates easy disassembly and cleaning, including being commercial dishwasher-safe.

Troubleshooting

Due to its simple and robust design, issues with the HaVACo Lay-In Diffuser are rare. Most performance concerns are related to the overall HVAC system rather than the diffuser itself.

- **Reduced Airflow:**
  - Check for obstructions in the ductwork leading to the diffuser.
  - Ensure the diffuser cones are clean and free of dust or debris.
  - Verify that your HVAC system is operating correctly (e.g., fan is on, filters are clean).
- **Condensation:**
  - While the ABS plastic design reduces condensation compared to metal, extreme humidity or temperature differentials can still cause it. Ensure proper insulation of ductwork.
  - Improve room ventilation or dehumidification if condensation persists.

Specifications

Attribute	Detail
Model Number	HT-2X2-SPL10
Dimensions (L x W)	24"L x 24"W
Material	ABS Plastic
Color	White (also available in Black)
Boot Size	10-Inch Pre-Molded (other sizes available separately)
Weight	3.94 pounds
Style	3 Cone Lay-in Supply
Usage	Heating, Cooling, Ventilation
Manufacturer	HaVACo Technologies Inc
UPC	811318020631

Warranty Information

This HaVACo product is backed by a **Lifetime Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms and conditions, please refer to the official warranty documentation provided with your purchase or contact HaVACo Technologies Inc. directly.

Support and Contact

For further assistance, technical support, or warranty claims, please contact the manufacturer:
Manufacturer: HaVACo Technologies Inc.
Please refer to the product model number (HT-2X2-SPL10) when contacting support to ensure efficient service.

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