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Prevost ERP 076251

Instruction Manual

PREVOST ERP 076251 1/4" THREAD MALE NPT HIGH FLOW SAFETY AIR PLUG (10)

Model: ERP 076251 | Brand: Prevost

Product Overview

The Prevost ERP 076251 High Flow Safety Air Plug is a robust component designed for high-performance air systems. This package includes 10 units of the 1/4" Highflow X 1/4" MNPT Male Regular Nipple part. These plugs are specifically engineered to be used with Prevost safety air couplers, such as part numbers ESI 071201 and ESI 071253, ensuring safe and efficient operation. Constructed from durable solid steel, these plugs offer superior resistance to damage from impacts, crushing, or denting compared to aluminum alternatives, making them ideal for demanding industrial environments.



Figure 1: Prevost ERP 076251 High Flow Safety Air Plugs. This image displays ten Prevost ERP 076251 air plugs. Each plug features a 1/4-inch Male NPT thread at one end and a quick-connect fitting at the other, designed for high-flow air systems. The plugs are made of solid steel, providing durability and resistance to damage.

Key features include:

- Designed for High Air Flow applications.
- Features 1/4" Male NPT Threads for secure connections.
- Constructed from Durable Solid Steel for enhanced longevity.
- Specifically intended for use with Prevost Safety Air Couplers.
- More resistant to physical damage than aluminum options.

Safety Information

For safe operation and to prevent injury or equipment damage, please observe the following safety guidelines:

- **Compatibility:** These safety air plugs are designed exclusively for use with Prevost safety air couplers, specifically part numbers ESI 071201 and ESI 071253. Do not attempt to use these plugs with non-Prevost couplers or couplers not designated as safety types.
- **Pressure Ratings:** Always ensure that the air pressure in your system does not exceed the maximum rated pressure for both the Prevost air plugs and the connected Prevost safety couplers. Refer to the specifications section for details.

- **Inspection:** Before each use, visually inspect the air plugs for any signs of wear, damage, or corrosion. Do not use damaged plugs.
- **Secure Connection:** Ensure the plug is fully and securely seated into the coupler before applying air pressure. An improperly seated plug can lead to sudden disconnection and potential injury.
- **Disconnection:** Follow proper procedures for disconnecting air lines to safely release pressure and prevent "hose whip." Prevost safety couplers are designed for safe, two-stage disconnection.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, such as safety glasses, when working with compressed air systems.

Setup

The Prevost ERP 076251 air plugs are designed for straightforward integration into your compressed air system. Follow these steps for proper setup:

1. **Identify Connection Point:** Determine the air tool or hose that requires a 1/4" Male NPT threaded connection for an air plug.
2. **Prepare Threads:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe thread compound) to the 1/4" Male NPT threads of the Prevost air plug. This helps ensure an airtight seal and prevents leaks.
3. **Thread into Place:** Carefully thread the air plug into the female NPT port of your air tool or hose. Hand-tighten first to avoid cross-threading.
4. **Tighten Securely:** Using a wrench, tighten the plug until it is secure and an airtight seal is achieved. Do not overtighten, as this can damage the threads.
5. **Connect to Coupler:** Once the plug is installed on your tool or hose, it is ready to be connected to a compatible Prevost safety air coupler (e.g., ESI 071201 or ESI 071253).

Note: Ensure all connections are clean and free of debris before assembly to prevent leaks and ensure optimal performance.

Operating Instructions

Operating the Prevost ERP 076251 air plug involves connecting and disconnecting it from a compatible Prevost safety air coupler. These plugs are designed for high-flow applications, ensuring efficient air delivery to your tools.

1. **Connecting the Plug:**
 - Ensure the air supply to the coupler is off or depressurized before connecting.
 - Insert the quick-connect end of the Prevost air plug firmly into the Prevost safety air coupler.
 - Push until you hear or feel a positive click, indicating the plug is securely latched.
 - Gently pull on the plug to confirm it is locked in place before activating air pressure.
2. **Disconnecting the Plug (Two-Stage Safety Disconnection):**
 - Always ensure the air tool is no longer in operation and the air supply to the coupler is off.
 - For Prevost safety couplers, pull back the sleeve of the coupler slightly (first stage). This action depressurizes the line between the coupler and the plug, preventing "hose whip."
 - After the air is vented, pull the sleeve back fully (second stage) to release the plug.
 - Remove the plug from the coupler.

Important: Always follow the specific operating instructions for your Prevost safety air coupler to ensure safe and proper disconnection.

Maintenance

Regular maintenance of your Prevost ERP 076251 air plugs will ensure their longevity and continued high performance. These solid steel plugs are designed for durability, but proper care is still essential.

- **Cleaning:** Periodically clean the plugs to remove dirt, dust, and debris. Use a clean cloth. For stubborn grime, a mild degreaser can be used, ensuring it is thoroughly wiped off afterward.
- **Inspection:** Regularly inspect the threads for damage, wear, or corrosion. Check the quick-connect end for any deformities or signs of excessive wear that might affect its ability to seal or latch securely with the coupler.
- **Lubrication:** While not typically required for the plug itself, ensure that the internal mechanisms of your Prevost safety air couplers are properly lubricated according to their respective manuals. This helps maintain smooth connection and disconnection.
- **Storage:** Store air plugs in a clean, dry environment when not in use to prevent corrosion and contamination.
- **Replacement:** If any plug shows significant signs of wear, damage, or if it no longer forms a secure, leak-free connection with the coupler, replace it immediately to maintain safety and system efficiency.

Troubleshooting

This section provides solutions to common issues you might encounter with your Prevost ERP 076251 air plugs.

Problem	Possible Cause	Solution
Plug does not connect securely to coupler.	<ul style="list-style-type: none">◦ Incompatible coupler.◦ Debris in coupler or on plug.◦ Damaged plug or coupler.	<ul style="list-style-type: none">◦ Ensure you are using a Prevost safety air coupler (ESI 071201 or ESI 071253).◦ Clean both the plug and the coupler thoroughly.◦ Inspect for damage; replace if necessary.
Air leak at the plug-coupler connection.	<ul style="list-style-type: none">◦ Plug not fully seated.◦ Worn or damaged O-rings in coupler.◦ Damaged plug.	<ul style="list-style-type: none">◦ Push the plug firmly until it clicks into place.◦ Inspect and replace O-rings in the coupler if worn.◦ Inspect plug for damage; replace if necessary.
Air leak at the threaded connection.	<ul style="list-style-type: none">◦ Insufficient thread sealant.◦ Improperly tightened connection.◦ Damaged threads.	<ul style="list-style-type: none">◦ Disassemble, reapply thread sealant, and reassemble.◦ Ensure connection is tightened securely, but do not overtighten.◦ Inspect threads on both plug and tool/hose; replace damaged components.

Specifications

Attribute	Detail
Model Number	ERP 076251
Brand	Prevost

Attribute	Detail
Thread Size	1/4"
Thread Type	Male NPT
Connector Type	Plug (High Flow Safety)
Material	Alloy Steel
Color	Silver
Item Package Quantity	10 plugs
Compatibility	Prevost High Flow Couplers (ESI 071201, ESI 071253)
Manufacturer	Prevost
Item Weight	7.6 ounces (for the package of 10)
Package Dimensions	5 x 4.33 x 0.83 inches

Warranty and Support

Warranty information for the Prevost ERP 076251 High Flow Safety Air Plugs is typically provided at the point of purchase or included with the product packaging. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation accompanying your purchase.

For technical support, product inquiries, or assistance with any issues not covered in this manual, please contact Prevost customer service directly. You can usually find contact information on the manufacturer's official website or on the product packaging.

Disclaimer: This manual provides general guidance. Always adhere to local safety regulations and best practices when working with compressed air systems.

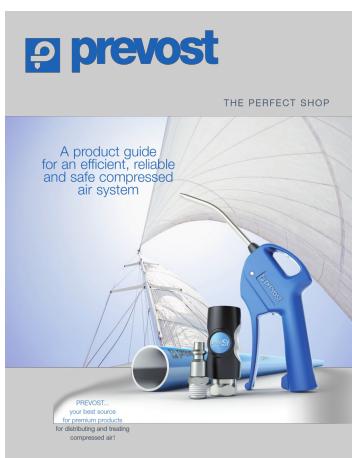
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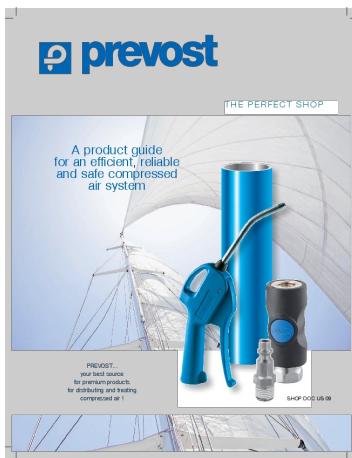


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