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› Milton Industries S-746 AMT Universal Coupler Instruction Manual

Milton S-746

Milton Industries S-746 AMT Universal Coupler Instruction Manual

Model: S-746

INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of the Milton Industries S-746 AMT Universal Coupler. This product is designed for use in air tool systems, providing a reliable connection point for various air tools and hoses. Please read this manual thoroughly before installation and operation.

SAFETY INFORMATION

WARNING: Always wear appropriate personal protective equipment (PPE), including eye protection, when working with compressed air systems.

- Ensure all connections are secure before pressurizing the system.
- Do not exceed the maximum operating pressure specified for the coupler or any component in your air system.
- Depressurize the air system before disconnecting any components or performing maintenance.
- Keep hands and body clear of moving parts and air discharge.
- Inspect couplers and hoses regularly for wear, damage, or leaks. Replace damaged components immediately.
- Use only with clean, dry compressed air.

PACKAGE CONTENTS

Your package should contain the following items:

- 10 x Milton Industries S-746 AMT Universal Couplers, Male, 1/4-In. NPT

SETUP AND INSTALLATION

The S-746 coupler features a 1/4-inch NPT male thread for connection to air hoses or tools. Follow these steps for proper

installation:

1. **Prepare the Connection Point:** Ensure the receiving port (e.g., air hose, air tool inlet) has a matching 1/4-inch NPT female thread and is clean and free of debris.
2. **Apply Thread Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe thread compound) to the male NPT threads of the S-746 coupler. This helps prevent air leaks.
3. **Thread the Coupler:** Carefully thread the coupler into the receiving port by hand to ensure proper alignment and prevent cross-threading.
4. **Tighten the Connection:** Use a wrench to tighten the coupler securely. Do not overtighten, as this can damage the threads or the coupler. A snug fit with thread sealant is sufficient.
5. **Test for Leaks:** After installation, pressurize the air system and check all connections for leaks using a soapy water solution. Bubbles indicate a leak that needs to be addressed.

OPERATING INSTRUCTIONS

The Milton S-746 is an AMT universal coupler, designed for compatibility with A, M, and T type plugs. To connect and disconnect air tools:

1. Connecting an Air Tool:

- Ensure the air tool has a compatible plug (A, M, or T type).
- Push the plug firmly into the coupler. The coupler's sleeve will retract and then snap forward, locking the plug in place.
- Gently pull on the tool to confirm a secure connection.

2. Disconnecting an Air Tool:

- Grip the coupler sleeve and pull it back towards the hose.
- While holding the sleeve back, pull the air tool plug out of the coupler.
- Release the sleeve.

Note: Some air tools may require the air supply to be shut off and depressurized before disconnection, depending on the tool and system configuration.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your coupler.

- **Inspection:** Periodically inspect the coupler for signs of wear, damage, corrosion, or leaks. Pay close attention to the sealing surfaces and the locking mechanism.
- **Cleaning:** Keep the coupler clean and free of dirt, dust, and debris. Use a clean cloth to wipe down the exterior. Avoid using harsh chemicals that could damage the brass finish or internal seals.
- **Lubrication:** If the locking mechanism becomes stiff, apply a small amount of silicone-based lubricant to the moving parts of the sleeve. Do not use petroleum-based lubricants, as they can degrade rubber seals.
- **Storage:** When not in use, store couplers in a clean, dry environment to prevent corrosion and contamination.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Air Leak at Connection	Improperly tightened threads Damaged threads Worn or damaged internal seals Insufficient thread sealant	Retighten connection with thread sealant. Inspect threads for damage; replace if necessary. Replace coupler. Reapply thread sealant and retighten.
Plug does not lock into coupler	Incompatible plug type Damaged locking mechanism Debris in coupler	Ensure plug is A, M, or T type. Replace coupler. Clean coupler interior.
Difficulty disconnecting plug	Sleeve mechanism stiff or dirty Excessive pressure	Clean and lubricate sleeve. Depressurize system before disconnecting.

SPECIFICATIONS

Model Number	S-746
Brand	Milton Industries
Type	AMT Universal Coupler, Male
Thread Size	1/4-Inch NPT
Exterior Finish	Brass
Item Dimensions (L x W x H)	1 x 1 x 1 inches (approximate)
Item Weight	2.6 Pounds (for 10 units)
Number of Pieces	10
UPC	030937007469

Specifications are subject to change without notice for product improvement.

WARRANTY AND SUPPORT

Milton Industries products are manufactured to high-quality standards. For specific warranty information, please refer to the official Milton Industries website or contact their customer support directly. Keep your purchase receipt for warranty claims.

For technical assistance or further inquiries, please visit the [Milton Store on Amazon](#) or the official Milton Industries website.

