

Delixike M8088

Delixike M8088 90° Elbow Fitting User Manual

Model: M8088

INTRODUCTION

This manual provides comprehensive instructions for the proper installation, operation, and maintenance of the Delixike M8088 90° Elbow Fitting. This fitting is specifically designed for use with 3/4 inch Maxline compressed air tubing systems, facilitating a secure and leak-free connection for directional changes in your air lines. Adherence to these instructions will ensure optimal performance and longevity of the product.

SAFETY INFORMATION

Always observe the following safety precautions when working with compressed air systems and fittings:

- Ensure the compressed air system is depressurized before attempting any installation, maintenance, or removal of fittings.
- Wear appropriate personal protective equipment (PPE), including safety glasses, to protect against potential hazards.
- Do not exceed the maximum pressure rating of the fitting or the associated tubing.
- Inspect all components for damage before installation. Do not use damaged parts.
- Keep hands and tools clear of moving parts or pressurized lines.

PRODUCT OVERVIEW

The Delixike M8088 is a high-quality 90-degree elbow fitting constructed from nickel-plated brass, offering excellent corrosion resistance and durability. It features a male NPT (National Pipe Taper) threaded end for connection to a compressor, outlet, or other threaded components, and a compression end designed for 3/4 inch Maxline air tubing. The compression end incorporates a double O-ring seal to ensure a reliable, leak-free connection.



Image: The Delixike M8088 90° Elbow Fitting, showcasing its nickel-plated brass construction and the distinct male NPT and compression ends.

Key Features:

- Designed for Maxline 3/4" air tubing.
- 90° elbow configuration for directional changes.
- Double O-ring seal for a secure, leak-free connection.
- High-quality nickel-plated brass construction for corrosion resistance.
- Male NPT threaded connection for system integration.

INSTALLATION INSTRUCTIONS

Follow these steps for proper installation of the Delixike M8088 90° Elbow Fitting:

1. **Prepare the Male NPT Connection:** Ensure the threaded port where the fitting will be installed is clean and free of debris. Apply an appropriate thread sealant (e.g., PTFE tape or pipe thread compound) to the male NPT threads of the M8088 fitting.



Image: A detailed view of the male NPT threaded end, ready for thread sealant application and connection to a system port.

2. **Connect the Male NPT End:** Thread the male NPT end of the fitting into the prepared port. Tighten securely with a wrench, but do not overtighten, as this can damage the threads or the fitting. Refer to the manufacturer's torque specifications for the receiving port if available.
3. **Prepare the Maxline Tubing:** Cut the 3/4 inch Maxline air tubing squarely and cleanly. Ensure there are no burrs or irregularities on the cut end. The tubing should be free of scratches or damage near the end that will be inserted into the fitting.
4. **Insert the Tubing:** Push the prepared end of the 3/4 inch Maxline tubing firmly into the compression end of the M8088 fitting until it bottoms out. You should feel a positive stop as the tubing passes the O-rings and seats correctly.



Image: The compression end of the fitting, highlighting the internal O-ring design for a secure tubing connection.

5. **Verify Connection:** Gently pull on the tubing to ensure it is securely seated and cannot be easily removed. A properly installed connection will resist pulling.
6. **Pressurize and Check for Leaks:** Once all connections are made, slowly pressurize the air system. Use a leak detection solution (e.g., soapy water) to check all connections for air leaks. Bubbles indicate a leak, which must be addressed by re-tightening or re-seating the connection.

OPERATION

The Delixike M8088 90° Elbow Fitting is a passive component designed to facilitate directional changes in a compressed air line. Once properly installed and leak-tested, it requires no further operational input. Ensure the air system operates within the specified pressure and temperature limits for the fitting and tubing.

MAINTENANCE

Regular inspection and maintenance will help ensure the long-term reliability of your compressed air system and fittings:

- **Periodic Inspection:** Regularly inspect all fittings and tubing for signs of wear, damage, or leaks. Look for corrosion, cracks, or deformation.
- **Leak Checks:** Periodically perform leak checks using a leak detection solution, especially after any system modifications or if pressure drops are observed.
- **O-Ring Integrity:** If a leak occurs at the tubing connection, depressurize the system and carefully remove the tubing. Inspect the internal O-rings within the fitting for damage or degradation. Replace the fitting if O-rings are compromised or if a leak persists.



Image: The internal O-ring seal within the compression end, critical for maintaining a leak-free connection. Inspect this area during maintenance.

- **Cleaning:** Keep fittings clean and free of dirt, dust, and contaminants. Use a soft cloth and mild cleaner if necessary. Avoid abrasive materials or harsh chemicals.

TROUBLESHOOTING

Below are common issues and their potential solutions:

Problem	Possible Cause	Solution
Air Leak at NPT Connection	Insufficient thread sealant; improper tightening; damaged threads.	Depressurize system. Reapply thread sealant and re-tighten. Inspect threads for damage; replace if necessary.
Air Leak at Tubing Connection	Tubing not fully inserted; damaged O-rings; damaged tubing end.	Depressurize system. Ensure tubing is fully seated. Inspect O-rings and tubing end; replace fitting or re-cut tubing if damaged.
Difficulty Inserting Tubing	Tubing end not cut squarely; burrs on tubing.	Ensure tubing is cut squarely and cleanly. Remove any burrs.

SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Model Number	M8088
Fitting Type	90° Elbow, Compression to Male NPT
Tubing Compatibility	3/4 inch Maxline Air Tubing
Material	Nickel-plated Brass
Color	Silver
Item Dimensions (L x W x H)	0.79 x 0.79 x 0.98 inches
Item Weight	5 ounces (0.14 Kilograms)
UPC	730635701187

WARRANTY INFORMATION

This Delixike M8088 90° Elbow Fitting is manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the product packaging or contact the manufacturer directly. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding the Delixike M8088 90° Elbow Fitting that are not covered in this manual, please contact Delixike customer support through their official website or the retailer from whom the product was purchased. Provide your model number (M8088) and a detailed description of your inquiry for efficient assistance.