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Rapidair M7580

Maxline M7580 Master Kit Instruction Manual

Brand: Rapidair | Model: M7580

INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your Rapidair Maxline M7580 Master Kit. This kit is designed to establish an efficient and durable compressed air system for various applications, including workshops and garages. Please read this manual thoroughly before beginning installation to ensure safe and correct setup.

Safety Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always follow local safety guidelines and use appropriate personal protective equipment during installation and operation.

PRODUCT OVERVIEW AND COMPONENTS

The Maxline M7580 Master Kit provides all necessary components to set up a robust compressed air distribution system. The core of the system is the Maxline tubing, featuring an aluminum core for flexibility and durability, encased in polyethylene layers.



Figure 1: Maxline M7580 Master Kit Contents. This image displays all the components of the Maxline M7580 Master Kit. It features a large coil of blue polyethylene tubing, three air outlet kits, two tee fittings, one straight fitting, several black pipe clips, and a deburring and cutting tool. These parts are essential for setting up a comprehensive compressed air system.

Kit Contents:

- 300 feet of 3/4-Inch Tubing
- (3) Air Outlet Kits
- (2) Tee Fittings
- (1) 3/4-Inch Straight Fitting
- (20) Pipe Clips
- (1) Deburr and Cutter Tool

SETUP AND INSTALLATION

The Maxline system is designed for straightforward installation without the need for glue, soldering, or crimping.

Installation Steps:

1. **Plan Your Layout:** Determine the optimal path for your air lines and the locations for air outlets. Consider the recommended maximum distance of 150 feet from the air compressor for optimal performance.
2. **Cut Tubing:** Use the provided cutter tool to cut the Maxline tubing to the desired lengths. Ensure cuts are clean and straight for proper fitting connection.
3. **Connect Fittings:** Insert the cut tubing into the compression-style nickel-plated brass fittings. Tighten the fittings securely. No special tools beyond standard wrenches are typically required for tightening.
4. **Mount Tubing:** The Maxline tubing can be mounted on wall surfaces using the provided pipe clips, installed within walls, or buried underground or in concrete. The tubing retains its shape once bent, allowing for custom routing.
5. **Install Air Outlet Kits:** Attach the air outlet kits at your designated locations. Ensure all connections are tight to prevent air

leaks.

- 6. **Connect to Air Compressor:** Once the system is assembled, connect it to your air compressor.
- 7. **Test for Leaks:** Pressurize the system and carefully check all connections for air leaks using a soapy water solution. Tighten any leaking fittings.

The system is easily expandable with additional air outlet locations or can be modified later as your needs evolve.

OPERATING INSTRUCTIONS

The Maxline M7580 system is designed for continuous operation within its specified pressure limits.

- **Maximum Pressure:** Do not exceed the maximum working pressure of 175 psi (pounds per square inch). Operating above this pressure can compromise system integrity and safety.
- **Air Compressor Compatibility:** This system is suitable for air compressors up to 10 HP.
- **Usage Area:** The kit is designed to support compressed air needs for buildings up to 4000 sq. ft.
- **Air Tool Connection:** Connect your air tools to the air outlet kits as needed. Ensure quick-connect fittings are properly seated.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Maxline compressed air system.

- **Leak Checks:** Periodically check all fittings and connections for air leaks. Even small leaks can lead to significant pressure loss and increased compressor run time. Use soapy water to identify leaks.
- **Tubing Inspection:** Inspect the tubing for any signs of damage, kinks, or wear. While durable, physical damage can compromise its integrity.
- **Fitting Inspection:** Ensure all compression fittings remain tight. Re-tighten if any looseness is detected.
- **Air Outlet Maintenance:** Keep air outlets clean and free of debris.

TROUBLESHOOTING

Refer to the following common issues and their potential solutions:

Problem	Possible Cause	Solution
Pressure Loss / Low Air Flow	Air leaks in tubing or fittings. Compressor not adequately sized.	Check all connections for leaks and tighten. Ensure compressor meets system demands.
Fittings Leaking	Fittings not tightened sufficiently. Tubing not cut cleanly.	Re-tighten fittings firmly. Ensure tubing ends are deburred and cut straight.
Tubing Kinked or Damaged	Improper bending or physical impact.	Straighten kinks carefully. Replace damaged sections of tubing.

SPECIFICATIONS

Attribute	Detail
Brand	Rapidair
Model Number	M7580

Attribute	Detail
Material	Aluminum, Polyethylene (PE)
Color	Blue
Product Dimensions	30.25"L x 31"W (Package)
Item Weight	53.7 pounds (24.4 Kilograms)
Maximum Pressure	175 Pound per Square Inch (psi)
Nominal Wall Thickness	0.75 inches
Outside Diameter	0.75 Inches
Item Length (Tubing)	300 Feet
UPC	094084780002, 094084758001
Manufacturer	Rapidair Maxline
Part Number	M7580

WARRANTY INFORMATION

The Maxline M7580 Master Kit comes with a **1-year limited warranty**. For specific details regarding warranty coverage and claims, please refer to the warranty documentation included with your purchase or contact Rapidair customer support.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Maxline M7580 Master Kit, please contact Rapidair customer service. Refer to the product packaging or the official Rapidair website for current contact information.

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