

# MAXLINE<sup>®</sup> BY RAPIDAIR

GENERAL SYSTEM 1/2", 3/4", 1"

## INSTALLATION INSTRUCTIONS

### EXAMPLE LAYOUTS

#### PLANNING/LAYOUT

Before beginning the installation, create a plan as to the location of the air compressor and where you are going to mount the compressed air outlets. On the plan locate outlets, tees, and elbows if needed.

#### AIR COMPRESSOR

Use a flexible jumper hose from the air compressor to the filter regulator unit to reduce vibration to the Maxline tubing.

#### FILTER REGULATOR

Maxline tubing is resistant to most common petroleum based compressor oils. Some new synthetic oils will reduce the life of the tubing. A high quality filter regulator is recommended to catch oils entering the air system.

#### RATINGS

200 psi at 73°F • 160 psi at 140°F • ASTM F1282

#### BENDING THE TUBING

The Maxline tubing can be bent to hold any shape. Care should be taken not to kink the tubing, but rather bend the tubing in a sweeping radius around corners and obstacles. Elbow fittings are available for sharp corners.

#### ASSEMBLY OF THREADED COMPONENTS

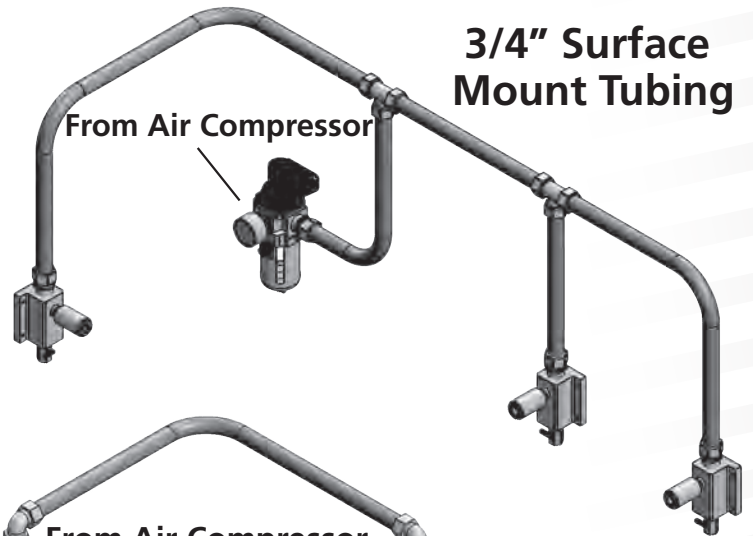
Assemble all NPT threads with two wraps of teflon tape and then PIPE SEALANT which prevents thread galling.

#### TUBING INSTALLATION

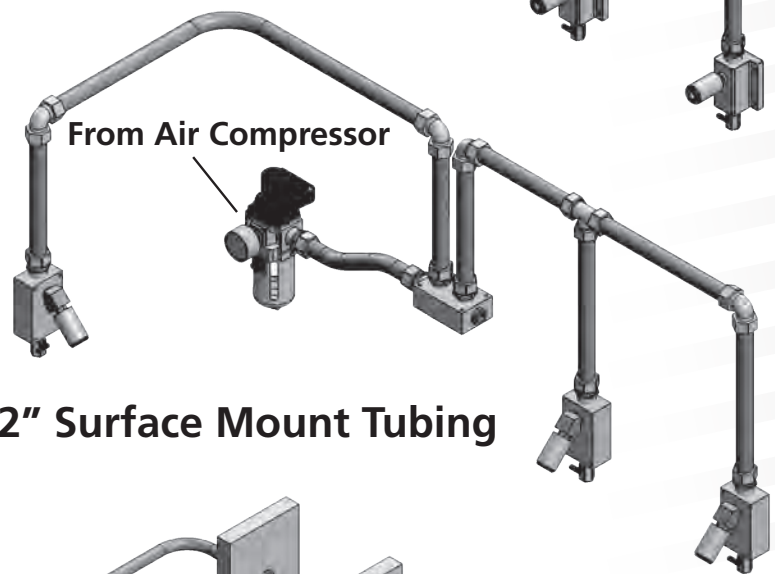
Maxline tubing will expand and contract slightly with changes in temperature. Use wall clips spaced 5 ft for 3/4" and 1" tubing, 3 ft for 1/2" tubing.

Always pressure test system before burial, or closing up walls.

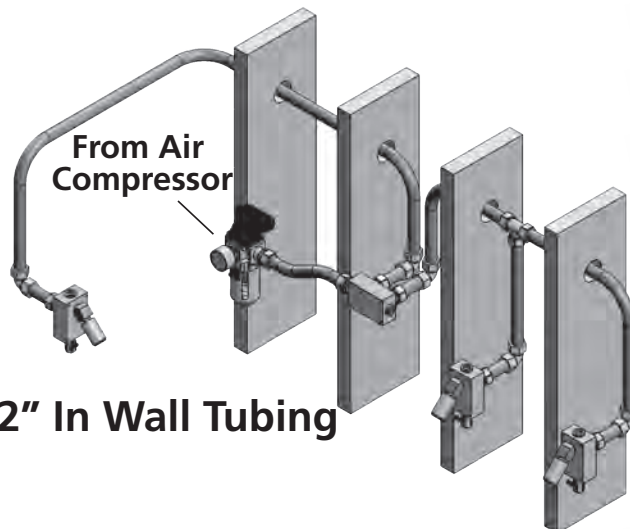
#### 3/4" Surface Mount Tubing



#### 1/2" Surface Mount Tubing



#### 1/2" In Wall Tubing



## Tools and installation



1) CUT the tubing square with the cutter, **ROTATING** wrist while cutting



2) BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns

- Use peg #32 for 1" tubing
- Use peg #25 for 3/4" tubing
- Use peg #16 for 1/2" tubing

Remove nut and split ring from fitting and place on tubing



3) PUSH the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process)



4) TURN the nut finger tight Put a reference mark on the nut and fitting body



5) TIGHTEN nut with wrench a minimum 3/4 of a turn or until tight

## Outlet Assemblies



**M3810**  
Front of block is ported  
1/4" Female NPT

**M7510, M8101**  
Front of block is ported  
1/2" NPT Female  
Coupler Not Included

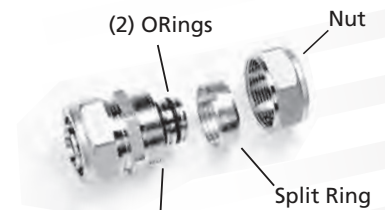


**M8200, M8201, M8203**  
Front of block is ported  
1/2" NPT Female (X 2)

**M8200V, M8201V, M8203V with Shut-Off**  
Front of block is ported  
1/2" NPT Female (X 2)



**M3810W, M7510W**  
Thru wall outlet



no paste or teflon tape required on fitting nuts

### WARNINGS

- Regulate system pressure to a maximum of 200 psi.
  - Pressurize system slowly.
  - Turn off air compressor when not in use.
- Check local building codes before installation.
- Compressed air is dangerous if not used properly.
- Do not point compressed air source at any part of your body or at any person.
- Always use eye protection when using compressed air.

**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**CONTAINS LEAD:** MAY BE HARMFUL IF EATEN OR CHEWED. MAY GENERATE DUST CONTAINING LEAD. KEEP OUT OF THE REACH OF CHILDREN.

Wash hands after handling.

**Engineered Specialties, LLC • Auburndale, WI • 800-954-3310**  
For installation tips and warranty information, please visit [www.RapidAirproducts.com](http://www.RapidAirproducts.com)

**IF YOU ARE EXPERIENCING TROUBLE WITH THIS PRODUCT,  
OR MISSING PARTS, PLEASE CALL 800-954-3310 FOR ASSISTANCE**

**DO NOT RETURN TO STORE**

**MAXLINE<sup>®</sup>**  
**BY RAPIDAIR**

**M3800 1/2" MASTER KIT**

## **INSTALLATION INSTRUCTIONS**

### **PLANNING/LAYOUT**

Before beginning the installation, create a plan as to the location of the air compressor and where you are going to mount the compressed air outlets. On the plan locate outlets, tees, and elbows if needed.

### **AIR COMPRESSOR**

Use a flexible jumper hose from the air compressor to the filter regulator unit to reduce vibration to the Maxline tubing.

### **FILTER REGULATOR**

Maxline tubing is resistant to most common petroleum based compressor oils. Some new synthetic oils will reduce the life of the tubing. A high quality filter regulator is recommended to catch oils entering the air system.

### **RATINGS**

200 psi at 73°F  
160 psi at 140°F  
ASTM F1282

### **BENDING THE TUBING**

The Maxline tubing can be bent to hold any shape. Care should be taken not to kink the tubing, but rather bend the tubing in a sweeping radius around corners and obstacles. Elbow fittings are available for sharp corners.

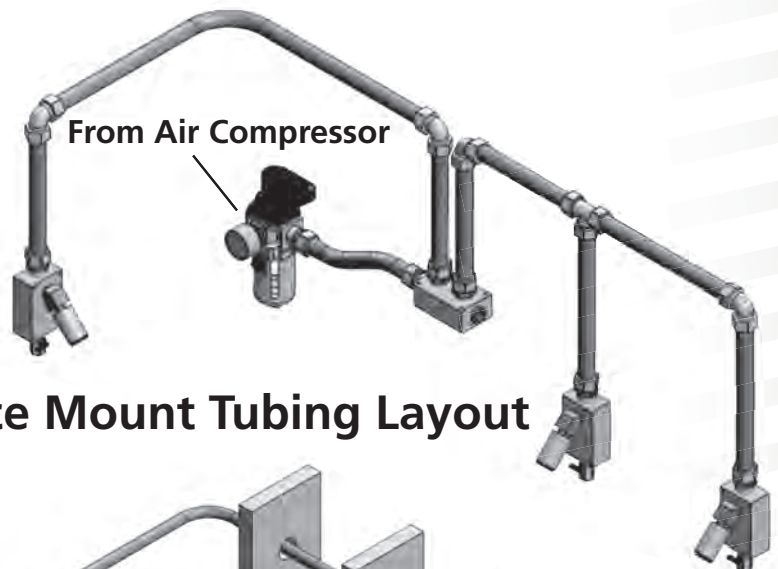
### **ASSEMBLY OF THREADED COMPONENTS**

Assemble all NPT threads with two wraps of teflon tape and then PIPE SEALANT which prevents thread galling.

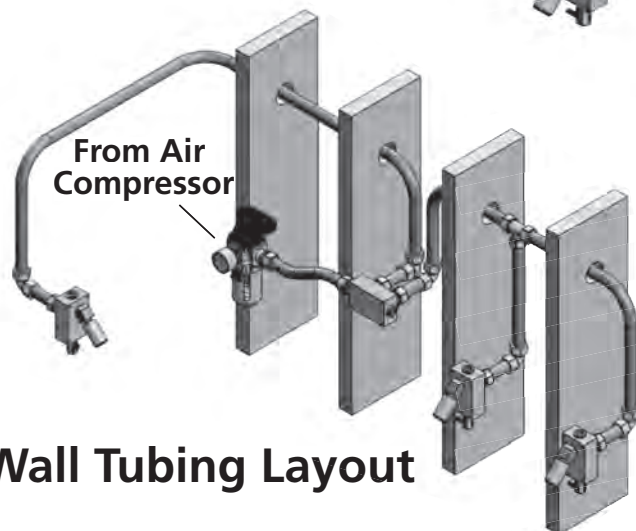
### **TUBING INSTALLATION**

Maxline tubing will expand and contract slightly with changes in temperature. Space tubing clips every 3 ft for surface mount.

**Always pressure test system before burial, or closing up walls.**



**OR**





# Tools and installation



**1)** CUT the tubing square with the cutter, **ROTATING** wrist while cutting



**2)** BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns

- Use peg #16 for 1/2" tubing  
Remove nut and split ring from fitting and place on tubing



**3)** PUSH the fitting onto the tubing and fully **against the shoulder** of the fitting (soapy water will help this process)



**4)** TURN the nut finger tight  
Put a reference mark on the nut and fitting body



**5)** TIGHTEN nut with wrench a minimum 3/4 of a turn or until tight

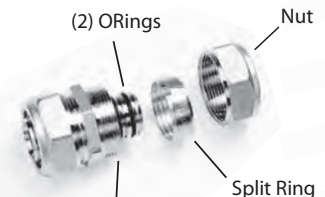


## M3800 MASTER KIT PARTS LIST

- 100ft 1/2" Maxline Tubing
- (1) M38220 Manifold Block
- (3) 90120 Outlet Blocks
- (6) M8001 1/2" Tubing x 3/8" NPT fittings
- (1) M8002 1/2" Tubing x 1/2" NPT Fitting
- (4) 50135 3/8" npt Plugs
- (3) 50120 3/8" npt Drain Valves
- (3) 50130 1/4" 45 Deg Brass St. Elbows
- (1) M8010 Tee Fitting
- (5) M8080 Elbow Fittings
- Cutter and Bevel Tool



Front of block is ported  
1/4" Female NPT



no paste or teflon tape required on fitting nuts

## WARNINGS

- Regulate system pressure to a maximum of 200 psi.
  - Pressurize system slowly.
  - Turn off air compressor when not in use.
- Check local building codes before installation.
- Compressed air is dangerous if not used properly
- Do not point compressed air source at any part of your body or at any person.
- Always use eye protection when using compressed air.

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We hope the Rapidair system blesses your life, thanks for the purchase. We thank Jesus Christ, who made the ultimate purchase, our salvation thru His death. Read the Bible, you will be amazed at what you find.

6-2020 rev8

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## **M7500 3/4" MASTER KIT**

# **INSTALLATION INSTRUCTIONS**

### **PLANNING/LAYOUT**

Before beginning the installation, create a plan as to the location of the air compressor and where you are going to mount the compressed air outlets. On the plan locate outlets, tees, and elbows if needed.

### **AIR COMPRESSOR**

Use a flexible jumper hose from the air compressor to the filter regulator unit to reduce vibration to the Maxline tubing.

### **FILTER REGULATOR**

Maxline tubing is resistant to most common petroleum based compressor oils. Some new synthetic oils will reduce the life of the tubing. A high quality filter regulator is recommended to catch oils entering the air system.

### **RATINGS**

200 psi at 73°F • 160 psi at 140°F • ASTM F1282

### **BENDING THE TUBING**

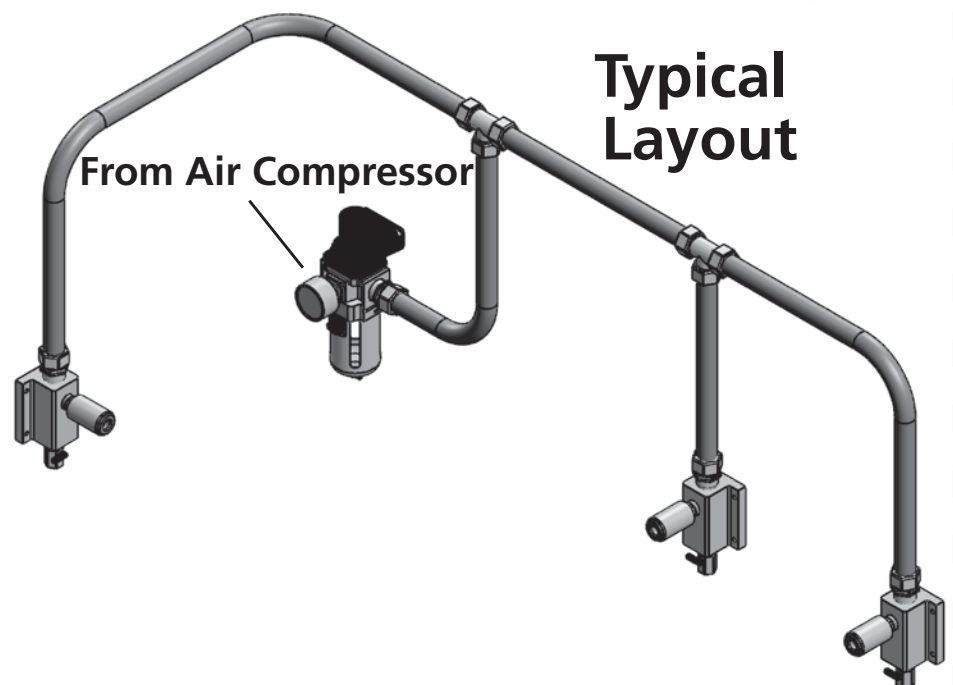
The Maxline tubing can be bent to hold any shape. Care should be taken not to kink the tubing, but rather bend the tubing in a sweeping radius around corners and obstacles. Elbow fittings are available for sharp corners.

### **ASSEMBLY OF THREADED COMPONENTS**

Assemble all NPT threads with two wraps of teflon tape and then PIPE SEALANT which prevents thread galling.

### **TUBING INSTALLATION**

Maxline tubing will expand and contract slightly with changes in temperature. Use supplied wall clips spaced every 5 ft.



**Always pressure test system before  
burial, or closing up walls.**

# Tools and installation



**1)** CUT the tubing square with the cutter, **ROTATING** wrist while cutting



**2)** BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns

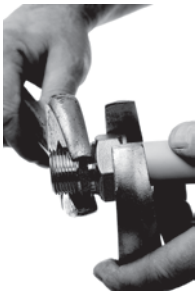
- Use peg #25 for 3/4" tubing  
Remove nut and split ring from fitting and place on tubing



**3)** PUSH the fitting onto the tubing and fully **against the shoulder** of the fitting (soapy water will help this process)



**4)** TURN the nut finger tight  
Put a reference mark on the nut and fitting body



**5)** TIGHTEN nut with wrench a minimum 3/4 of a turn or until tight



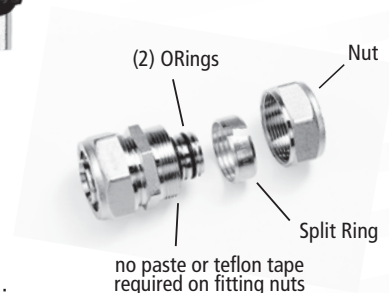
## M7500 MASTER KIT PARTS LIST

- 100ft 3/4" Maxline Tubing
- (3) M81010 Aluminum Blocks
- (3) M8005 3/4" Tubing x 1/2" NPT fittings
- (3) 50136 1/2" npt Plugs
- (3) 50120 3/8" npt Drain Valves
- (1) M8003 3/4" Tubing x 3/4" NPT Fitting
- (2) M8011 Tee Fittings
- (20) Tubing Clips
- Cutter and Bevel Tool



Front of block is ported  
1/2" NPT Female

Coupler Not Included



no paste or teflon tape required on fitting nuts

## WARNINGS

- Regulate system pressure to a maximum of 200 psi.
    - Pressurize system slowly
    - Turn off air compressor when not in use
  - Check local building codes before installation.
  - Compressed air is dangerous if not used properly.
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## M7580 3/4" MASTER KIT 300 FT

# INSTALLATION INSTRUCTIONS

### PLANNING/LAYOUT

Before beginning the installation, create a plan as to the location of the air compressor and where you are going to mount the compressed air outlets. On the plan locate outlets, tees, and elbows if needed.

### AIR COMPRESSOR

Use a flexible jumper hose from the air compressor to the filter regulator unit to reduce vibration to the Maxline tubing.

### FILTER REGULATOR

Maxline tubing is resistant to most common petroleum based compressor oils. Some new synthetic oils will reduce the life of the tubing. A high quality filter regulator is recommended to catch oils entering the air system.

### RATINGS

200 psi at 73°F • 160 psi at 140°F • ASTM F1282

### BENDING THE TUBING

The Maxline tubing can be bent to hold any shape. Care should be taken not to kink the tubing, but rather bend the tubing in a sweeping radius around corners and obstacles. Elbow fittings are available for sharp corners.

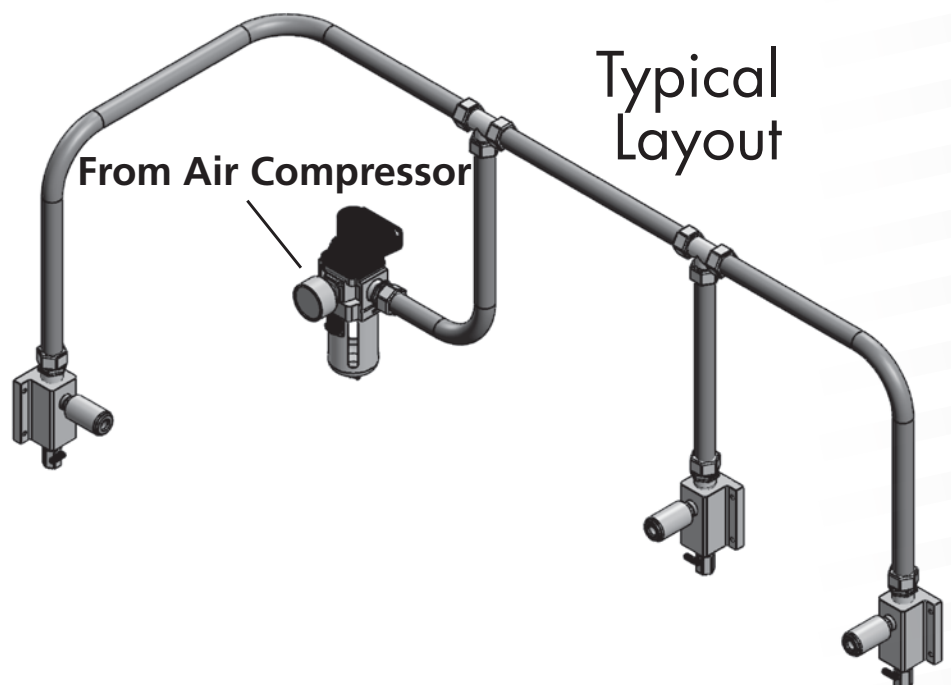
### ASSEMBLY OF THREADED COMPONENTS

Assemble all NPT threads with two wraps of teflon tape and then PIPE SEALANT which prevents thread galling.

### TUBING INSTALLATION

Maxline tubing will expand and contract slightly with changes in temperature. Use supplied wall clips spaced every 5 ft.

**Always pressure test system before burial, or closing up walls.**





## Tools and installation



1) CUT the tubing square with the cutter, ROTATING wrist while cutting



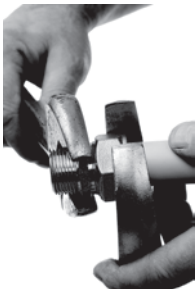
2) BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns  
- Use peg #25 for 3/4" tubing  
Remove nut and split ring from fitting and place on tubing



3) PUSH the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process)



4) TURN the nut finger tight  
Put a reference mark on the nut and fitting body



5) TIGHTEN nut with wrench a minimum 3/4 of a turn or until tight



### M7580 MASTER KIT PARTS LIST

- 300ft 3/4" Maxline Tubing
- (3) M81010 Aluminum Blocks
- (3) M8005 3/4" Tubing x 1/2" NPT fittings
- (3) 50136 1/2" npt Plugs
- (3) 50120 3/8" npt Drain Valves
- (1) M8003 3/4" Tubing x 3/4" NPT Fitting
- (2) M8011 Tee Fittings
- (20) Tubing Clips
- Cutter and Bevel Tool



Front of block is ported  
1/2" NPT Female  
Coupler Not Included



no paste or teflon tape  
required on fitting nuts

### WARNINGS

- Regulate system pressure to a maximum of 200 psi.
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  - Turn off air compressor when not in use
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We hope the Rapidair system blesses your life, thanks for the purchase. We thank Jesus Christ, who made the ultimate purchase, our salvation thru His death. Read the Bible, you will be amazed at what you find.