

**ML**

INSTALLATION INSTRUCTIONS 1/2", 3/4", & 1"

**MAXLINE**<sup>®</sup>  
BY RAPIDAIR

**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**

A good quality filter regulator is recommended to catch particles, moisture and oils entering the air system as well as to maintain a constant pressure to your air tools.

**RATINGS**

ASTM F1282

**Compression Fittings**

200 psi at 73°F  
160 psi at 140°F

**Press Fittings**

232 psi at 73°F  
180 psi at 140°F

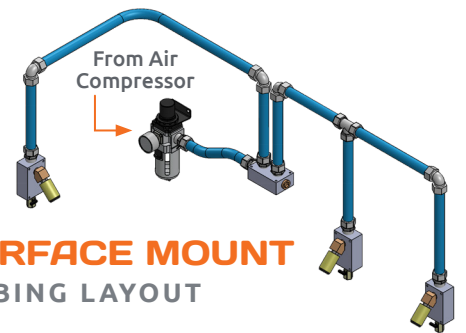
Compressed air, inert gas,  
non-potable water

**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.



**3/4" SURFACE MOUNT TUBING LAYOUT**



**1/2" SURFACE MOUNT TUBING LAYOUT**

**TUBING INSTALLATION**

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

**BURIAL**

- This product can be direct buried in the soil or under concrete
- Wrap all fittings underground and do a pressure test before covering



- Front of block is ported
- 1/4" Female NPT
- all others are 3/8" NPT



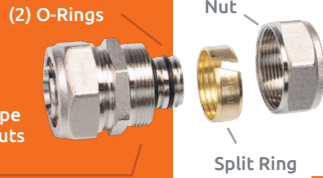
- Front of block is ported
- 1/2" NPT Female

**ASSEMBLY OF THREADED COMPONENTS**

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



# COMPRESSION FITTINGS



no paste or teflon tape required on fitting nuts

**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
- Peg #25 for 3/4" tubing
- Peg #16 for 1/2" tubing

Remove nut and split ring from fitting and place on tubing



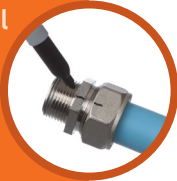
**3**

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



**4**

**TURN** the nut hand 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



**Press Tool**  
MC8092



**Cutter**  
M8091 1/2" - 3/4"  
M8051 1/2" - 3/4" - 1"



**Bevel Tool**  
M8095 1/2" - 3/4" - 1"



**Straightening Tool**  
M8097



**Bender Tool**  
M8096

# PRESS FITTINGS



**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
- Peg #25 for 3/4" tubing
- Peg #16 for 1/2" tubing



**3**

**MARK** from the end of tubing for insertion depth:

- 1/2" tubing = 3/4"
- 3/4" tubing = 1 1/8"
- 1" tubing = 1 1/8"



**4**

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



**5**

**CRIMP** the fitting with the RapidAir hand tool with correct jaw size



## MaxLine is NOT designed:

- To be glued
  - To take violent impacts
  - To be used where the compressed air temperature is above 140°F
  - For environments of caustic or corrosive chemicals
  - Systems must have a SAFETY RELIEF valve installed at
- the compressed air source to prevent over pressurization
- When using MaxLine in direct sunlight, cover or paint the plastic tubing to protect from UV exposure (Fittings need no covering and can be exposed)
  - Keep children away from the system

## Installation Tips & Recommendations

**MAXLINE INSTALLATION TRAINING:** Care must be taken on any installation of the MaxLine system. Tubing will be carrying compressed air/gas up to 200 psi. The MaxLine system is only as safe as a thorough installation. Read all installation instructions and watch installation videos before starting. Below are some tips for a safe installation.

CHECK that all fittings are tightened before pressurizing the system for the first time.

For initial installation, pressurize system SLOWLY to 50 psi and check for leaks, then pressurize slowly to MAX 200 psi.

- 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.
- 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.

## RAPIDAIR PRODUCTS

1-800-954-3310 • Auburndale, WI • [www.rapidairproducts.com](http://www.rapidairproducts.com)

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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.