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.
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

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
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
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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
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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.
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

**WARNINGS**

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FILTER REGULATOR
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RATINGS
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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.

From Air Compressor

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

**WARNINGS**

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  - Check local building codes before installation.
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  - Always use eye protection when using compressed air.

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- Wash hands after handling.

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

(2) ORings
Nut
Split Ring

no paste or teflon tape required on fitting nuts

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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 at least 3/4 of a turn or until tight.

**M7580 MASTER KIT PARTS LIST**

- 300ft ¾” Maxline Tubing
- (3) M81010 Aluminum Blocks
- (3) M8005 ¾” Tubing x 1/2” NPT fittings
- (3) 50136 ½” npt Plugs
- (3) 50120 3/8” npt Drain Valves
- (1) M8003 ¾” Tubing x ¾” NPT Fitting
- (2) M8011 Tee Fittings
- (20) Tubing Clips
- Cutter and Bevel Tool

**WARNINGS**

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- Turn off air compressor when not in use.
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