

MaxLINE

RAPIDAIR®

INDUSTRIAL
COMPRESSED AIR PIPING SYSTEM

1/2" - 3/4" - 1" - 2"



RAPIDAIR®



Maxline is an industrial compressed air piping system.

Installation

- Long tubing rolls allow for fewer joints
- Compression fittings reduce labor
- Bury underground or underneath concrete
- Expand or modify the system layout with ease

Diverse

- Install in small shops to large manufacturing facilities
- On wall, in wall and underground applications
- Connect to any existing piping system

Air Quality-Energy Efficient

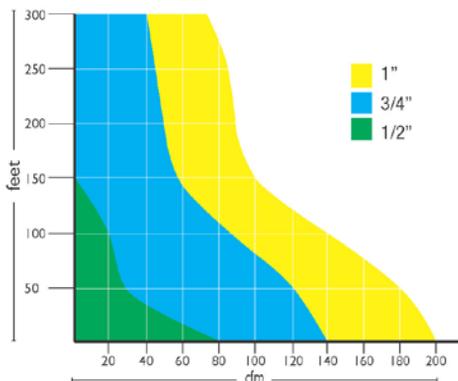
- No corrosion with HDPE tubing and nickel plated fittings
- Double o-ring design ensures leak free joints
- Efficient flowing smooth inner wall

Burial

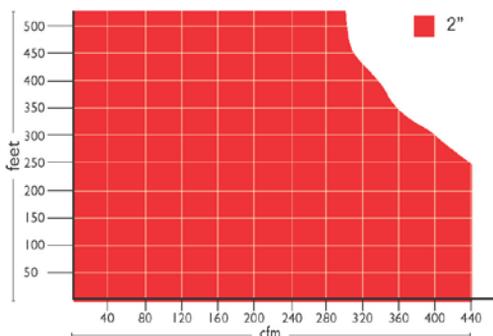
- This product can be direct buried in the soil or under concrete.
- Wrap all fittings underground and do a pressure test before covering.



CHOOSE THE CORRECT SIZE OF MAXLINE FROM THE CHARTS BELOW
 LENGTH OF STRAIGHT RUN FROM COMPRESSOR OR 1/2 THE MAIN LOOP LENGTH



Theoretical flow chart based on:
 - System pressure of 120 psi
 - 5 psi pressure drop



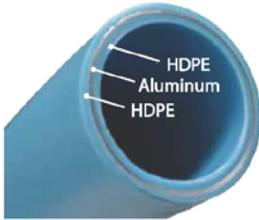
Theoretical flow chart based on:
 - System pressure of 120 psi
 - 5 psi pressure drop

Technical Specifications

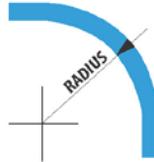
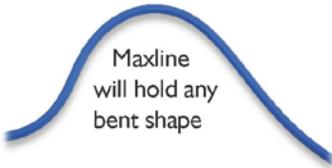
- Working Pressure: 200 psi at 73°F, 160 psi at 140°F
- Temperature Range: -40°F to 140°F
- Compatible with common compressor oils
- Compressed air, vacuum, inert gas applications
- Can be direct buried

Ratings

- ASTM F1282
- ASTM F1974
- OSHA Compliant



- 1/2", 3/4", 1", 2"
- Multi-Layer Semi Flexible tubing
- Inner and Outer Layer - HDPE
- Center Layer - Aluminum
- Sizes measured on inside diameter



Bend Radius

1/2" Tubing:	4-6 inches
3/4" Tubing:	8-10 inches
1" Tubing:	10-12 inches
2" Tubing:	36-48 inches



1/2", 3/4", 1" Fittings

- Compression with split ring
- Nickel Plated Brass
- Double O-Ring: Nitrile



2" Fittings

- Crimp style
- Nickel Plated Brass Body
- Crimp Ring: Stainless Steel
- Double O-Ring: Nitrile



Spare Parts O-Ring

Size	Part Number
1/2"	M8054
3/4"	M8055
1"	M8056
2"	M8559



2" only

Spare Parts Split Ring

Size	Part Number
1/2"	M8047
3/4"	M8048
1"	M8049
2"	M8549 Crimp Sleeve

BLUE TUBING



SIZE	PART NUMBER	OUTSIDE	INSIDE	LENGTH
1/2"	M6026	.63 in	.50 in	100 ft
1/2"	M6027	.63 in	.50 in	300 ft
3/4"	M6030	.98 in	.80 in	100 ft
3/4"	M6031	.98 in	.80 in	300 ft
1"	M6032	1.26 in	1.02 in	100 ft
1"	M6033	1.26 in	1.02 in	300 ft
2"	M6520	2.50 in	2.00 in	200 ft

GREEN TUBING



SIZE	PART NUMBER	OUTSIDE	INSIDE	LENGTH
1/2"	M6026G	.63 in	.50 in	100 ft
1/2"	M6027G	.63 in	.50 in	300 ft
3/4"	M6030G	.98 in	.80 in	100 ft
3/4"	M6031G	.98 in	.80 in	300 ft
1"	M6032G	1.26 in	1.02 in	100 ft
1"	M6033G	1.26 in	1.02 in	300 ft

MOUNT CLIPS - 10 pack



SIZE	PART NUMBER	SPACING
1/2"	M8064	3 ft
3/4"	M8065	5 ft
1"	M8066	5 ft

STRUT CLAMP (for 1 1/8" strut)



SIZE	PART NUMBER	SPACING
1/2"	ST010T062	3 ft
3/4"	F0022	5 ft
1"	ST035NP100	5 ft
2"	ST068T250	8 ft

1/2" MASTER KIT



SIZE	PART NUMBER	LENGTH
1/2"	M3800	100 ft

3/4" MASTER KIT



SIZE	PART NUMBER	LENGTH
3/4"	M7500	100 ft
3/4"	M7580	300 ft

UNION



2"

SIZE	PART NUMBER
1/2" x 1/2"	M8021
1/2" x 3/4"	M8024
1/2" x 1"	M8020
3/4" x 3/4"	M8022
3/4" x 1"	M8025
1" x 1"	M8023
2" x 2"	M8525

ELBOW



2"

SIZE	PART NUMBER
1/2"	M8060
3/4"	M8067
1"	M8068
2"	M8535

TEE



2"

SIZE	PART NUMBER
1/2"	M8010
3/4"	M8011
1"	M8012
2"	M8530

STAINLESS STEEL TEE



SIZE	PART NUMBER
1/2"	M8033
3/4"	M8034
1"	M8035

REDUCING TEE



SIZE	PART NUMBER
3/4" x 1/2" x 3/4"	M8014
1" x 1/2" x 1"	M8016
1" x 3/4" x 1"	M8018

REDUCING TEE FEMALE NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT x 1/2"	M8019
3/4" x 1/2" NPT x 3/4"	M8078
1" x 3/4" NPT x 1"	M8089
2" x 1" NPT x 2"	M8531

MALE NPT



Nickle Plated Brass



2"

SIZE	PART NUMBER
1/2" x 3/8" NPT	M8001
1/2" x 1/2" NPT	M8002
3/4" x 1/2" NPT	M8005
3/4" x 3/4" NPT	M8003
1" x 3/4" NPT	M8015
1" x 1" NPT	M8004
2" x 1" NPT	M8541
2" x 2" NPT	M8542

STAINLESS STEEL MALE NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8030
3/4" x 3/4" NPT	M8031
1" x 1" NPT	M8032

FEMALE NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8006
3/4" x 3/4" NPT	M8007

END CAP



SIZE	PART NUMBER
1/2"	M8026
3/4"	M8027
1"	M8028

INLINE VALVE



SIZE	PART NUMBER
1/2"	M8038
3/4"	M8039
1"	M8040



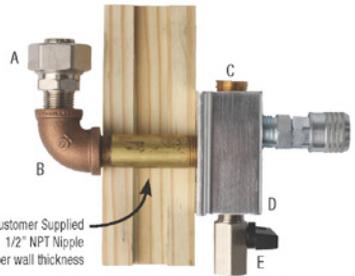
SINGLE PORT OUTLET

SIZE	PART NUMBER	OUTLET
1/2"	M3810	1/4"NPT
3/4"	M7510	1/2" NPT



SINGLE PORT OUTLET WITH SHUTOFF

SIZE	PART NUMBER	OUTLET
1/2"	M3810V	1/4"NPT
3/4"	M7510V	1/2" NPT



Customer Supplied
1/2" NPT Nipple
Length varies per wall thickness

THRU WALL OUTLET

SIZE	PART NUMBER	OUTLET
1/2"	M3810W	1/4"NPT
3/4"	M7510W	1/2" NPT

(Kit includes A,B,C,D,E)



DUAL PORT OUTLET

SIZE	PART NUMBER	OUTLET
1/2"	M8200	1/2"NPT x 4
3/4"	M8201	1/2"NPT x 4
1"	M8203	1/2"NPT x 4



DUAL PORT OUTLET WITH SHUTOFF

SIZE	PART NUMBER	OUTLET
1/2"	M8200V	1/2"NPT x 4
3/4"	M8201V	1/2"NPT x 4
1"	M8203V	1/2"NPT x 4



Each side of outlet has an extra
1/2" NPT port
2 plugs included

INDUSTRIAL STYLE		DIMENSION	A	B	
30 CFM	1/4 BODY	5/16"	3/16"		type M
70 CFM	3/8 BODY	7/16"	5/16"		type H

QUICK COUPLER



30 CFM INDUSTRIAL STYLE TYPE M

PART NUMBER	MALE THREAD SIZE
K7221	1/4 NPT
K7241	1/2 NPT

PART NUMBER	FEMALE THREAD SIZE
K7220	1/4 NPT

QUICK COUPLER PLUGS



PART NUMBER	MALE THREAD SIZE
K5221	1/4 NPT

PART NUMBER	FEMALE THREAD SIZE
K5220	1/4 NPT

70 CFM INDUSTRIAL STYLE TYPE H

PART NUMBER	MALE THREAD SIZE
K9231	3/8 NPT
K9241	1/2 NPT

PART NUMBER	FEMALE THREAD SIZE
K9230	3/8 NPT
K9240	1/2 NPT

PART NUMBER	MALE THREAD SIZE
K8221	1/4 NPT
K8231	3/8 NPT
K8241	1/2 NPT

PART NUMBER	MALE THREAD SIZE
K8220	1/4 NPT
K8230	3/8 NPT
K8240	1/2 NPT

1/2" - 3/4" - 1"

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

BEVEL TOOL



CUTTER



PIPE WRAP



2"

Tools and installation

-  1) CUT the tubing square, with the wheeltype cutter, apply extra pressure so wheel does not walk out of cut groove.
-  2) APPLY soapy water to the ALUMINUM plunger. Use a soft hammer to pound the plunger into the tubing and back out again (this makes the tubing round after cutting).
-  3) BEVEL the inside of the tubing with the reaming tool. Rotating repeatedly until a large chamfer forms.
-  4) APPLY soapy water to the fitting and tubing end. Put crimp sleeve on the tubing, and push fitting stem into the tubing fully.
-  5) CRIMP fitting 3 times with hydraulic tool, each 120 degrees apart.
-  6) COMPLETED crimp.

BEVEL TOOL



CUTTER



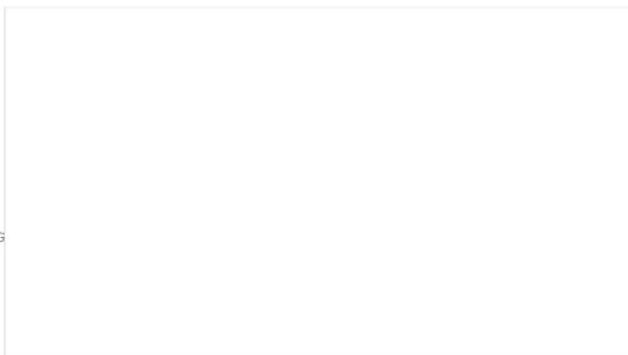
CRIMP TOOL



To help us develop a parts list and quote for your piping installation, use this quote worksheet. Answer the questions and hand sketch your air piping layout and outlet location.

BUILDING LENGTH = _____

BUILDING
WIDTH
= _____



SKETCH ITEMS:

X = AIR OUTLET
AT WORK HEIGHT

CX = AIR OUTLET AT
CEILING

HR = HOSE REEL

O = COMPRESSOR

NOTE ANY OBSTRUCTIONS

COMMERCIAL OR RESIDENTIAL

NEW OR EXISTING BUILDING

STEEL OR WOODFRAME OR BLOCK CONSTRUCTION

COMPRESSOR OUTLET SIZE NPT _____

HAVE FILTER/REGULATOR AT COMPRESSOR **YES NO**

OF PEOPLE USING AIR AT THE SAME TIME _____

BUILDING CEILING: **FINISHED FLAT OR TRUSS/PERLIN**

HANG MAIN PIPE FROM: **CEILING OR ON WALL**

AIR USE: **AUTOBODY--FARM--REPAIR--MANUFACTURING--HOBBY--OTHER** _____

CEILING HEIGHT _____

MAIN PIPING HEIGHT _____

AIR OUTLET HEIGHT _____

COMPRESSOR HP _____

INFO FOR SHIPPING QUOTE:

COMPANY

NAME

BILLING ADDRESS

CITY ST ZIP

SHIPPING ADDRESS

CITY ST ZIP

PHONE

EMAIL



**Engineered
Specialties LLC**
Auburndale, Wisconsin

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