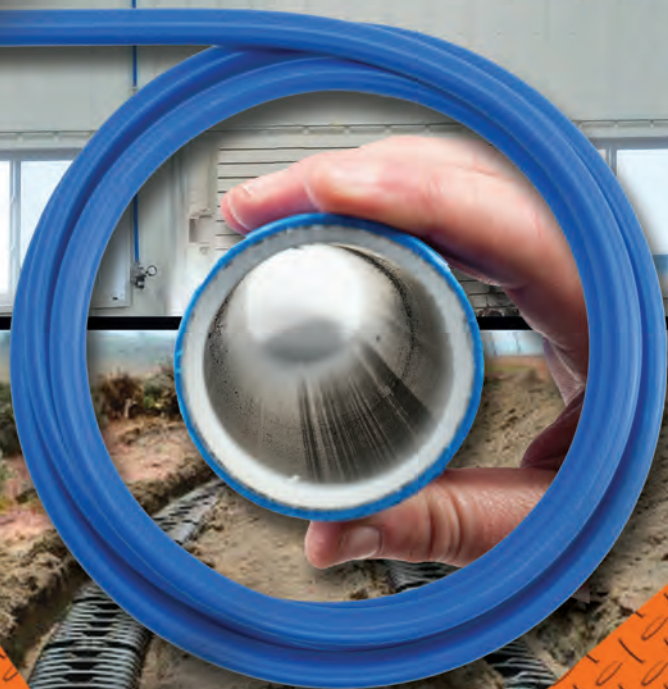


MaxLINE[®]

INDUSTRIAL

COMPRESSED AIR PIPING SYSTEM

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



www.CompressedAirSystems.com

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

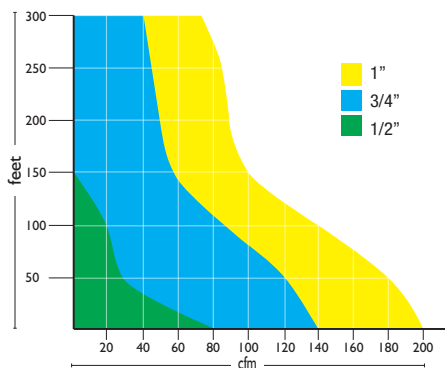
Air Quality-Energy Efficient

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



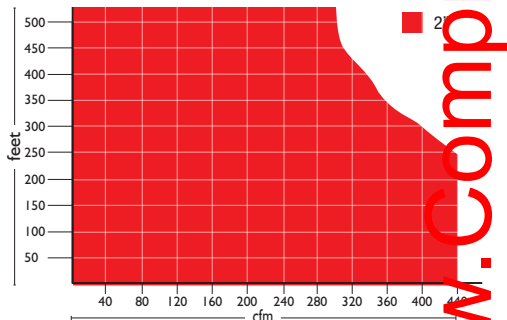
CHOOSE THE CORRECT SIZE OF MAXLINE FROM THE CHARTS BELOW

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:

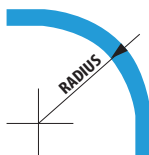
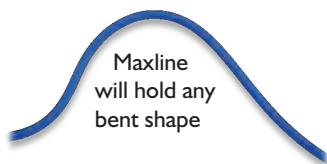
- System pressure of 120 psi
- 5 psi pressure drop

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



- 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

Spare Parts Split Ring

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



2" only

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

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 5/8" 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



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



SIZE	PART NUMBER
1/2"	M8080
3/4"	M8067
1"	M8068
2"	M8535

TEE



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"	M8076
1" x 3/4" NPT x 1"	M8089

MALE NPT



SIZE	PART NUMBER
1/2" x 3/8" NPT	M8001
1/2" x 1/2" NPT	M8002
3/4" x 1/2" NPT	M8003
3/4" x 3/4" NPT	M8005
1" x 3/4" NPT	M8015
1" x 1" NPT	M8014
2" x 1" NPT	M8011
2" x 2" NPT	M8542

STAINLESS STEEL MALE NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8005
3/4" x 3/4" NPT	M8013
1" x 1" NPT	M8013

FEMALE NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8005
3/4" x 3/4" NPT	M8007

END CAP



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



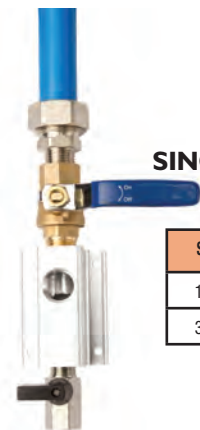
SINGLE PORT OUTLET

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



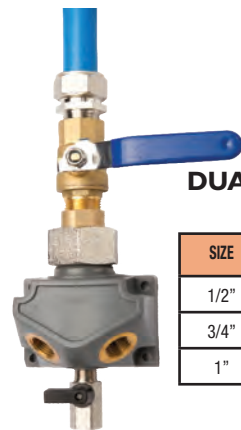
DUAL PORT OUTLET

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



SINGLE PORT OUTLET WITH SHUTOFF

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



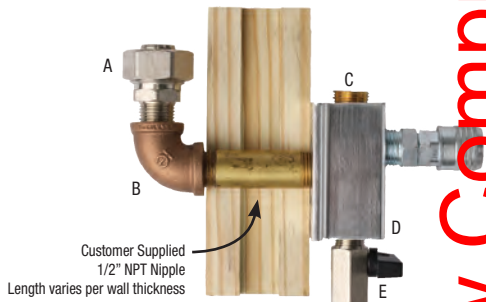
DUAL PORT OUTLET WITH SHUTOFF

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



INLINE VALVE

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



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)

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



M8095 1/2" - 3/4" - 1"

CUTTER



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

2"

Tools and installation



1) CUT the tubing square, with the wheel-type cutter, apply extra pressure so wheel does not walk out of cut groove.



2) BEVEL the inside of the tubing with the reaming tool. Rotating repeatedly until a large chamfer forms.



3) APPLY soapy water to the fitting and tubing end. Put crimp sleeve on the tubing, and push fitting stem into the tubing fully.



4) CRIMP fitting 3 times with hydraulic tool, each 120 degrees apart.



5) COMPLETED crimp.

BEVEL TOOL



M8595 2"

CUTTER



M8551 2"

CRIMP TOOL



M8590 2"

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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6/2016

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