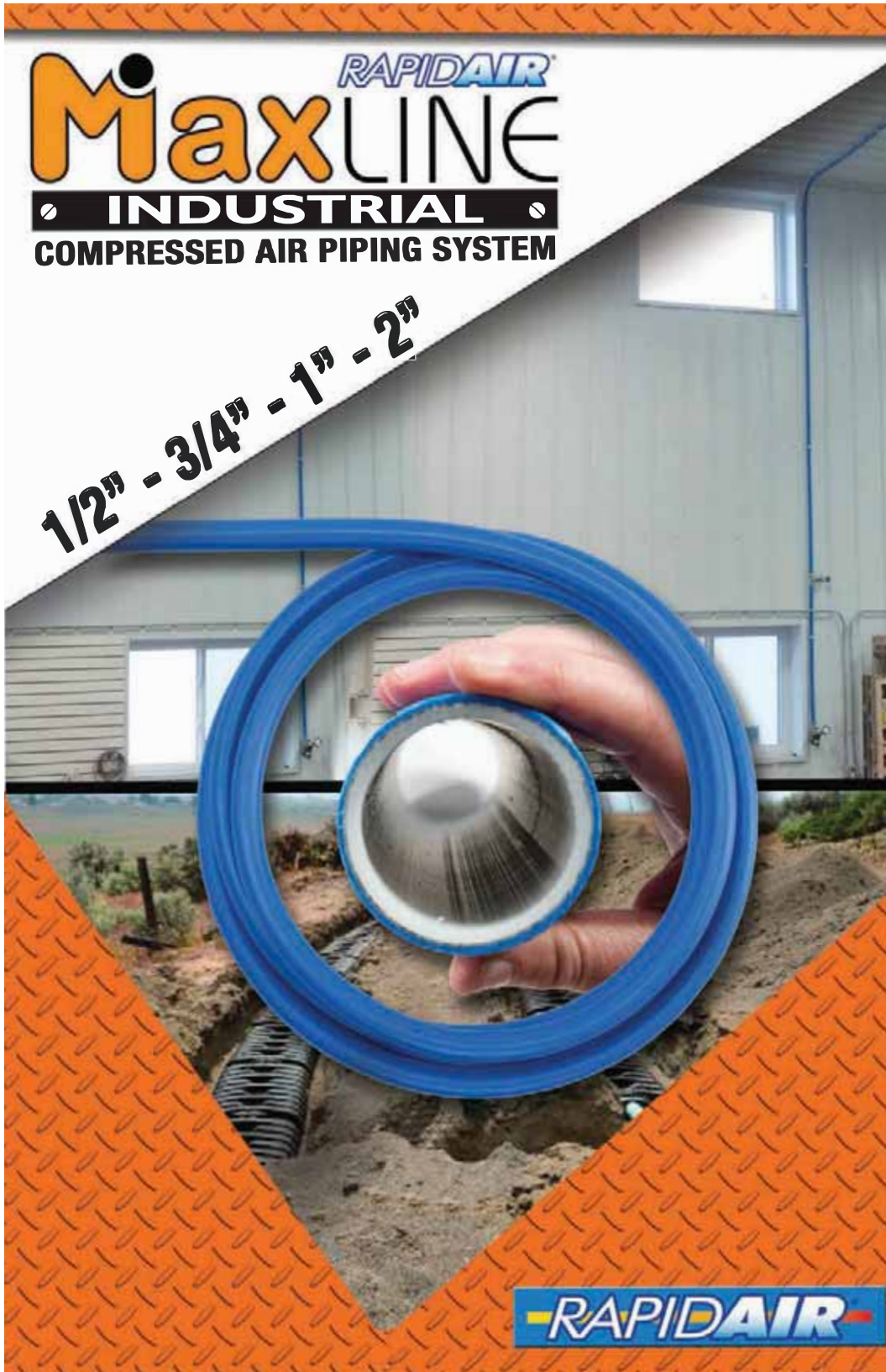


MaxLINE RAPIDAIR
◊ INDUSTRIAL ◊
COMPRESSED AIR PIPING SYSTEM

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

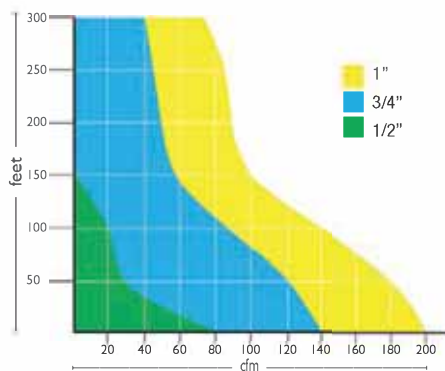
Burial

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

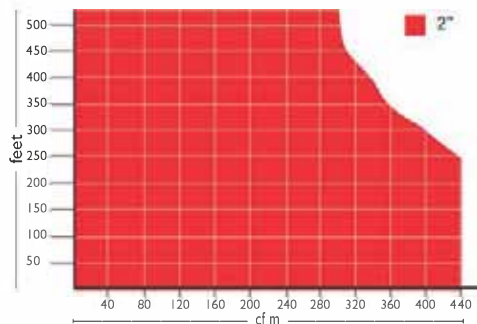


CHOOSE THE CORRECT SIZE OF MAXLINE FROM THE CHARTS BELOW

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

Spare Parts Split Ring

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



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 1/2" strut)



SIZE	PART NUMBER	SPACING
1/2"	ST010T082	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

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

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

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

ELBOW



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

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"	M8075
1" x 3/4" NPT x 1"	M8089

TEE



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

INLINE VALVE



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

CROSS



SIZE	PART NUMBER
1/2"	M8041
3/4"	M8042
1"	M8043



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

MALE NPT



Nickle Plated Brass

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

MALE NPT ELBOW



SIZE - TUBE X NPT	PART NUMBER
1/2" x 1/2" NPT	M8085
1/2" x 1/2" NPT	M8086
3/4" x 3/4" NPT	M8088
1" x 1" NPT	M8090

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

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

STAINLESS STEEL TEE



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



2" FITTINGS

UNION



SIZE	PART NUMBER
2" X 2" NPT	M8525

MALE NPT



SIZE	PART NUMBER
2" X 1" NPT	M8541
2" X 12" NPT	M8542

ELBOW



SIZE	PART NUMBER
2"	M8535

SPARE PARTS O-RING

SIZE	PART NUMBER
2"	M8559

TEE



SIZE	PART NUMBER
2"	M8530

SPARE CRIMP SLEEVE



SIZE	PART NUMBER
2"	M8549

REDUCING TEE
FEMALE NPT



SIZE	PART NUMBER
2" X 1" NPT x 2"	M8531



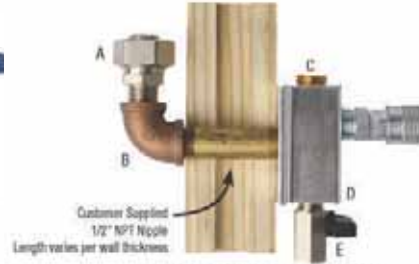
SINGLE PORT OUTLET

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



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	
INDUSTRIAL STYLE	30 CFM 1/4 BODY	5/16"	3/16"	type M		
INDUSTRIAL STYLE	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	FEMALE THREAD SIZE
K8220	1/4 NPT
K8230	3/8 NPT
K8240	1/2 NPT

FASTPIPE

Modular Aluminum Compressed Air Piping



3/4" thru 6" sizes
Straight Rigid Pipe 20 ft Pieces
Compression Fittings

FASTPIPE FITTINGS DO NOT INTERCHANGE
DIRECTLY WITH MAXLINE, BUT CAN BE DONE
WITH PIPE THREAD ADAPTER FITTINGS



FILTER REGULATOR



PART NUMBER	PORT SIZE
K93215	3/8" NPT
K93216	1/2" NPT
K93217	3/4" NPT
K93218	1" NPT

VERTICAL FILTER REGULATOR



PART NUMBER	PORT SIZE
K96075	3/4" NPT

PUSH ON RUBBER HOSE



PART NUMBER	SIZE	LENGTH
F0238-160	3/8"	160 FT
F0238-FT	3/8"	BY THE FT
F0250-160	1/2"	160 FT
F0250-FT	1/2"	BY THE FT

FEMALE SWIVEL NPT



PART NUMBER	HOSE SIZE	THREAD SIZE
F0243	3/8"	1/4" NPT
F0244	3/8"	1/2" NPT
F0252	1/2"	1/2" NPT

MALE NPT



PART NUMBER	HOSE SIZE	LENGTH
F0240	3/8"	1/4" NPT
F0241	3/8"	3/8" NPT
F0242	3/8"	1/2" NPT
F0251	1/2"	1/2" NPT

HOSE REEL



PART NUMBER	SIZE	LENGTH
R-03050	3/8"	50 FT
R-03075	3/8"	75 FT
R-05050	1/2"	50 FT
R-05100	1/2"	100 FT

ALUMINUM MANIFOLDS



PART NUMBER	INLET SIZE	# OF PORTS	OUTLET PORT
H-50-25-4	1/2" NPT	4	1/4" NPT
H-50-25-5	1/2" NPT	5	1/4" NPT
H-50-50-4	1/2" NPT	4	1/2" NPT
H-50-50-5	1/2" NPT	5	1/2" NPT
H-75-50-3	3/4" NPT	3	1/2" NPT
H-75-50-4	3/4" NPT	4	1/2" NPT
H-75-50-5	3/4" NPT	5	1/2" NPT
H-75-75-3	3/4" NPT	3	3/4" NPT
H-75-75-4	3/4" NPT	4	3/4" NPT
H-75-75-5	3/4" NPT	5	3/4" NPT
H-100-75-3	1" NPT	3	3/4" NPT
H-100-75-4	1" NPT	4	3/4" NPT
H-100-75-5	1" NPT	5	3/4" NPT

WARNINGS

- Compressed air is **DANGEROUS** if not used properly
- Always use **EYE PROTECTION** when using compressed air
- DO NOT POINT** compressed air at your body or any person
- Pressurize system **SLOWLY**
- TURN OFF** air compressor when not in use
- CHECK** local building codes before installation
- ALWAYS RELIEVE** the system pressure when installing or performing maintenance
- 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 tubing to protect from UV exposure** (Pipe needs no covering and can be exposed)
- Keep children away from the system



Maxline is **NOT** designed:

- To be glued
- To take violent impacts
- To be used where the compressed air temperature is above 140 deg F
- For environments of caustic or corrosive chemicals



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.

Wash hands after handling.

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

MAXLINE INSTALLATION TIPS AND 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.

Each shipment will contain installation instructions, if you do not receive them please call immediately 800-954-3310. Videos can be found at www.rapidairproducts.com **We strongly recommend that the installer contact our tech department for installation questions PRIOR to the installation.**

- CUT** the tubing **STRAIGHT** with the supplied cutter do not use a hacksaw
- CHAMFER** the end of the tubing with the supplied tool. When pushing the tubing into the fitting, the o-ring must insert smoothly. If the end of the tube is sharp, it will cut the o-ring and **CAUSE LEAKS**. Use a spray bottle with couple of drops of dish soap and fill it with water for lubrication.
- TUBING** must be **INSERTED** into the fitting fully to the shoulder inside.
- Fitting nuts must be tightened to a minimum of **3/4 OF A TURN**
- Support the tubing with clips / hangers
- TUBING can be **BENT** to conform around obstacles, be careful not to kink the tubing
- Any machine/compressor plumbed to the system must have a **JUMPER HOSE** to reduce vibration
- DO NOT USE** for **PULSING** desiccant dryers or other like equipment.
- CAUTION** installing inert gas bulk systems, gas must be warmed up to the tubing temperature range
- DO NOT** connect quick couplings for air hoses to reducing elbows or tee fittings. The constant connecting/disconnecting and pulling of air hoses could loosen the fitting. Use the **WALL OUTLET** which can be secured to a wall or post. Any hoses or tubing attached in the ceiling area to a fitting must use a strain relief attached to the building structure
- Assemble all NPT **PIPE THREADS** with two wraps of Teflon tape and then pipe sealant which prevents thread galling
- CHECK** that all fittings are tightened before pressurizing the system for the first time
- For initial installation, pressurize system **SLOWLY** to 50psi and check for leaks, then pressurize slowly to MAX 200 psi
- AFTER 24 HOURS** of being pressurized, depressurize the system and **RETIGHTEN** the compression nuts.
- Make sure compressor output temperature does not exceed **140°F**

**PRODUCTS MANUFACTURED BY THE SELLER CARRY A LIMITED ONE YEAR WARRANTY.
SEE WWW.RAPIDAIRPRODUCTS.COM FOR MORE DETAILS**

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"

BENDER TOOL



M8096

STRAIGHTENING TOOL



M8097

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



M8595 2"

CUTTER



M8551 2"

CRIMP TOOL



M8590 2"

RapidAir Pipe Builder

Design your air system in minutes!



Design | Preview In 3D | Create A Parts List



**Engineered
Specialties LLC**
Auburndale, Wisconsin

1-800-954-3310 • www.rapidairproducts.com

2/2019