

MAXLINE[®]
BY RAPIDAIR



**INDUSTRIAL
Compressed Air
Piping System**



SIZES RANGE FROM:

$\frac{1}{2}$ " - $\frac{3}{4}$ " - 1" - 2"

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

Maxline is an industrial compressed air piping system.



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

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



2" Fittings

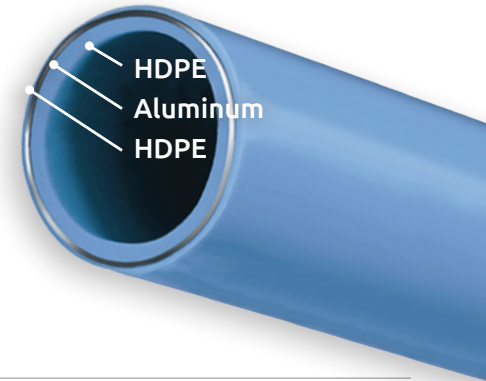
- Crimp style
- Nickel Plated Brass Body
- Crimp Ring: Stainless Steel
- Double O-Ring: Nitrile

Technical Specs

- Working Pressure: 200psi 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 such Argon and CO₂
- 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

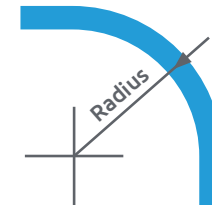
Ratings

- ASTM F1282
- ASTM F1974
- OSHA Compliant



Bend Radius

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



MaxLine will hold any bent shape.



Tubing



Blue

SIZE	PART #	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

SIZE	PART #	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 #	LENGTH
1/2"	M8064	3 ft
3/4"	M8065	5 ft
1"	M8066	5 ft

Strut Clamp For 1 1/8" strut



SIZE	PART #	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

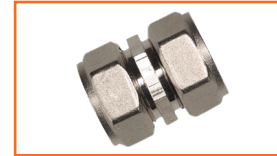
3/4" Master Kit



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

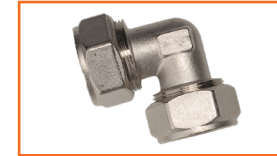
Nickel Plated Brass 1/2" - 3/4" - 1" Fittings

Union



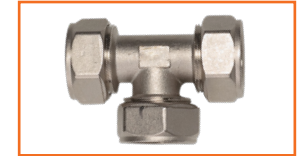
SIZE	PART NUMBER
1/2" x 1/2"	M8021
1/2" x 3/4"	M8024
1/2" x 1"	M8020
3/4" x 3/4"	M8022
3/4" x 1"	M8025
1" x 1"	M8023

Elbow



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

Tee



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

Cross



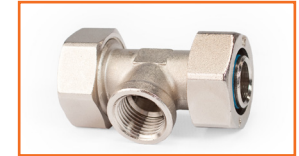
SIZE	PART NUMBER
1/2"	M8041
3/4"	M8042
1"	M8043

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 #
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

Inline Valve



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

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

Nickel Plated Brass 1/2" - 3/4" - 1" Fittings

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	M8005
3/4" x 3/4" NPT	M8003
1" x 3/4" NPT	M8015
1" x 1" NPT	M8004

Male NPT Elbow



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8085
3/4" 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

Tee



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

2" Fittings Union



SIZE	PART NUMBER
2" x 2" NPT	M8525

Elbow



SIZE	PART NUMBER
2"	M8535

Tee



SIZE	PART NUMBER
2"	M8530

Reducing Tee Female NPT



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

Male NPT



SIZE	PART NUMBER
2" x 1" NPT	M8541
2" x 2" NPT	M8542

Spare Parts O-Ring



SIZE	PART NUMBER
2"	M8559

Spare Crimp Sleeve



SIZE	PART NUMBER
2"	M8549



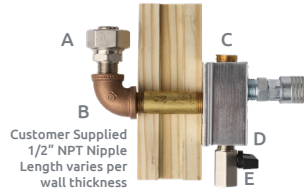
Single Port Outlet



Single Port Outlet with Shutoff



Thru Wall Outlet



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

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

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

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

Wall Outlet



Wall Outlet w/ Shutoff

(HAS BOTTOM MOISTURE DRAIN)

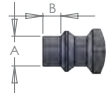


TOP INLET	PART NUMBER	OUTLET
1/2"	M8200	1/2" NPT x 4
3/4"	M8201	1/2" NPT x 4
1"	M8203	1/2" NPT x 4

TOP INLET	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

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

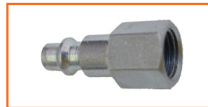
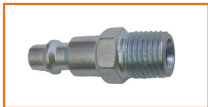
Industrial Style



Quick Coupler



Quick Coupler Plugs



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

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

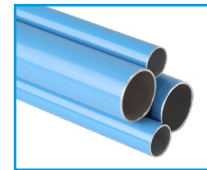
PART NUMBER	FEMALE THREAD SIZE
K9230	3/8" NPT
K9240	1/2" NPT

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

FAST PIPE[®]

BY RAPIDAIR



Modular Aluminum Compressed Air Piping

- 3/4" thru 6" sizes
 - Straight Rigid Pipe 19 ft. Pieces
 - Compression Fittings
- FASTPIPE FITTINGS DO NOT INTERCHANGE DIRECTLY WITH MAXLINE, BUT CONNECT THRU PIPE THREAD ADAPTER FITTINGS



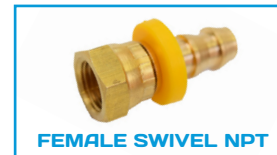
PART NUMBER	PORT SIZE
K93215	3/8" NPT
K93216	1/2" NPT
K93217	3/4" NPT
K93218	1" NPT



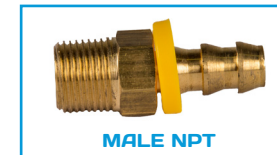
PART NUMBER	PORT SIZE
K96050	1/2" NPT
K96075	3/4" NPT



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.



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



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



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.



PART NUMBER	INLET SIZE	# OF PORTS	OUTLET PORTS
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 plastic tubing to protect from UV exposure (Fittings need 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° 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.

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.

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 a 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.
- Any machine/compressor plumbed to the system must have a JUMPER HOSE to reduce vibration.
- DO NOT USE MaxLine for PULSING desiccant dryers or other like equipment.
- CAUTION installing inert gas bulk tank systems, gas must be warmed up to MaxLine temperature range.
- DO NOT connect quick couplings for air hoses to reducing elbows or tee fittings. The constant connecting/ disconnecting and pulling or air hoses could loosen the fitting. Use the MaxLine WALL OUTLET which can be secured to a wall or post. Any hoses 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 Thread 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 50 psi and check for leaks, then pressurize slowly to MAX 190 psi.
- AFTER 24 HOURS of being pressurized, depressurize the system and RETIGHTEN the compression nuts. Some settling of components may have occurred. This is not optional, it must be done.
- 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"

- CUT** the tubing square with the cutter, ROTATING wrist while cutting.
- 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.
- PUSH** the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process).
- TURN** the nut hand tight. Put a reference mark on the nut and fitting body.
- TIGHTEN** nut with wrench a minimum 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"

- CUT** the tubing square with the wheelttype cutter, apply extra pressure so wheel does not walk out of cut groove.
- 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).
- BEVEL** the inside of the tubing with the reaming tool. Rotating repeatedly until a large chamfer forms.
- APPLY** soapy water to the fitting and tubing end. Put crimp sleeve on the tubing, and push fitting stem into the tubing fully.
- CRIMP** fitting 3 times with hydraulic tool, each 120 degrees apart.
- COMPLETED** crimp.



Bevel Tool
M8595 2"



Cutter
M8551 2"



Crimp Tool
M8590 2"

Ask us about our new **RapidAir System Designer**

Design your air system in minutes!

