

Modular Aluminum
Compressed Air
Piping

SIZES RANGE FROM: 34" - 1" - 1½" - 2" - 3" - 4" - 6"

Today's Improved Compressed Air Piping Method

Fast Installation

- Compression style fittings make installation simple
- Aluminum piping is easy to cut and lift
- O-ring seals ensure a leak free system
- · No gluing, threading, or soldering
- Installs in half the time as some traditional methods

Diverse

- Install in small shops to industrial plants
- Connect to any existing piping system
- Expand or modify the system with ease

Superior Air Quality

- No corrosion in the pipe and fitting means longer tool life
- Cools hot compressed air quickly for better filter performance

Energy Efficient

- Smooth inner wall and free flowing fittings lower compressed air costs
- Sealed connections means your compressor run time is less

3/4" - 3" Compression Type

Step 1



(see page 11 for detailed instructions)

Step 2





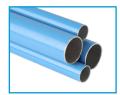
4" - 6" Lug Type



(see page 12 for detailed instructions)

Technical Specs

- 190 psi working pressure
- 0° F to 140° F
- Compatible with all types of compressor lubricants
- Compressed air, vacuum, inert gas



Aluminum Pipe Specs 3/4" - 6"

- Alloy grade
- Extruded to ASTM B221, B429
- Blue powder coat, RAL5012 outside
- Green powder coat, RAL6018 outside
- Non-chromate conversion coating inside



Fittings Specs 3/4" - 2"

- Nylon 6 base with fiberglass reinforcement
- Bite ring: stainless steel
- O-ring: Nitrile

General System Ratings

- Fire resistant to flammability standard UL94HB
- OSHA Compliant



Fittings Specs 3"

- Diecast Aluminum Allov
- Bite ring: stainless steel
- O-ring: Nitrile
- Electrocoated



Fittings Specs 4" - 6"

- Diecast Aluminum Allov
- Seal: Nitrile
- Powder Coat



Fittings Parts

- A.O-Ring
- B. Backer
- C.SS Bite Ring
- D.Collet
- E. Cone Nut
- F. Tension O-Ring*

Tension O-ring (F) is found on the 3/4" & 1" sizes only



Spare Parts Kit (Includes A & C)

| SIZE | PART NUMBER |
|------|-------------|
| 3/4" | F1076 |
| 1" | F2076 |
| 1/2" | F4076 |
| 2" | F5076 |
| 3" | FI7076 |

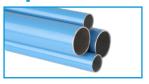


| SIZE | SEAL |
|------|--------|
| 4" | FI8076 |
| 6" | FI9076 |





Pipe



Blue

| 5 | SIZE | MM | PART # | OUTSIDE | INSIDE | LENGTH | WEIGHT |
|---|-------|------|--------|----------|----------|--------------|-----------|
| 3 | 3/4" | 20mm | F1000 | .79 in. | .69 in. | 19 ft. 2 in. | 2.6 lbs. |
| | 1" | 25mm | F2000 | .98 in. | .87 in. | 19 ft. 2 in. | 4.2 lbs. |
| | 11/2" | 40mm | F4000 | 1.57 in. | 1.43 in. | 19 ft. 2 in. | 8.8 lbs. |
| | 2" | 50mm | F5000 | 1.97 in. | 1.81 in. | 19 ft. 2 in. | 10.1 lbs. |
| | 3" | 80mm | FI7000 | 3.15 in. | 2.98 in. | 19 ft. 2 in. | 21.0 lbs. |



Green

| SIZE | MM | PART # | OUTSIDE | INSIDE | LENGTH | WEIGHT |
|-------|------|--------|----------|----------|--------------|-----------|
| 3/4" | 20mm | F1000G | .79 in. | .69 in. | 19 ft. 2 in. | 2.6 lbs. |
| 1" | 25mm | F2000G | .98 in. | .87 in. | 19 ft. 2 in. | 4.2 lbs. |
| 11/2" | 40mm | F4000G | 1.57 in. | 1.43 in. | 19 ft. 2 in. | 8.8 lbs. |
| 2" | 50mm | F5000G | 1.97 in. | 1.81 in. | 19 ft. 2 in. | 10.1 lbs. |



| SIZ | E | MM | PART # | OUTSIDE | INSIDE | LENGTH | WEIGHT |
|-----|---|-------|--------|----------|----------|--------------|-----------|
| 4" | | 100mm | FI8000 | 4.03 in. | 3.79 in | 19 ft. 2 in. | 33.5 lbs. |
| 6" | | 150mm | FI9000 | 6.04 in. | 5.76 in. | 19 ft. 2 in. | 64.5 lbs. |

Union



| SIZE | PART NUMBER |
|-------|-------------|
| 3/4" | F1002 |
| 1" | F2002 |
| 11/2" | F4002 |
| 2" | F5002 |



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7002 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8002 |
| 6" | FI9002 |

Reducing Union



| SIZE | PART NUMBER |
|------------|-------------|
| 1" x 3/4" | F2121 |
| 1½" x 3/4" | F4223 |
| 1½" x 1" | F4221 |
| 2" x 3/4" | F5223 |
| 2" x 1" | F5221 |
| 2" x 1½" | F5421 |



| SIZE | PART NUMBER |
|---------|-------------|
| 6" x 4" | FI9821 |

90° Elbow



PART NUMBER

F1003 F2003

F4003 F5003



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7003 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8003 |
| 6" | FI9003 |

45° Elbow

3/4"

11/2"



| SIZE | PART NUMBER |
|------|-------------|
| 1" | F2004 |
| 1½" | F4004 |
| 2" | F5004 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8004 |
| 6" | FI9004 |

90° Reducing Elbow NPT



| SIZE | DROP SIZE FEMALE | PART # |
|------|---------------------|--------|
| 3/4" | 1/4" NPT | F1073 |
| 3/4" | 1/2" NPT | F1093 |
| 1" | 1/4" NPT | F2073 |
| 1" | 1/2" NPT | F2093 |
| 1" | 3/4" NPT | F2083 |



Inline Valve



| SIZE | PART NUMBER |
|-------|-------------|
| 3/4" | F1111 |
| 1" | F2222 |
| 11/2" | F4444 |
| 2" | F5555 |



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7777 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8888 |
| 6" | FI9999 |



Equal Tee



| SIZE | PART NUMBER |
|------|-------------|
| 3/4" | F1005 |
| 1" | F2005 |
| 1½" | F4005 |
| 2" | F5005 |



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7005 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8005 |
| 6" | FI9005 |

Reducing Tee NPT



| MAIN SIZE | DROP SIZE FEMALE | PART NUMBER |
|--------------|------------------|----------------|
| 3/4" | 1/4" NPT | F1007 |
| 3/4" | 1/2" NPT | F1009 |
| 1" | 1/4" NPT | F2007 |
| 1" | 1/2" NPT | F2009 |
| 1" | 3/4" NPT | F2008 |
| 11/2" | 1/2" NPT | F4009 |
| 11/2" | 3/4" NPT | F4008 |
| 2" | 1/2" NPT | F5009 |
| 2" | 3/4" NPT | F5008 |

|--|

| MAIN SIZE | DROP SIZE FEMALE | |
|--------------|---------------------|--------|
| 3" | 2" NPT | FI7509 |



| MAIN SIZE | DROP SIZE FEMALE | PART NUMBER |
|--------------|---------------------|----------------|
| 4" | 2" NPT | FI8221 |
| 4" | 3" NPT | FI8321 |
| 6" | 2" NPT | FI9221 |
| 6" | 3" NPT | FI9331 |

Reducing Tee



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 1" | 3/4" | F2107 |
| 11/2" | 3/4" | F4206 |
| 11/2" | 1" | F4207 |
| 2" | 3/4" | F5206 |
| 2" | 1" | F5207 |
| | | |

Cross



| SIZE | PART NUMBER |
|------|-------------|
| 3/4" | F1051 |
| 1" | F2051 |
| 1½" | F4051 |
| 2" | F5051 |



Flange Gasket



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7905 |
| 4" | FI8905 |
| 6" | FI9905 |

Flange Connections

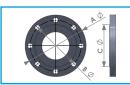


| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7900 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8900 |
| 6" | FI9900 |

ANSI Class 150 Flange Dimensions



| SIZE | Α | В | С | BOLT HOLES |
|------|-------|------|------|------------|
| 3" | 7.50 | 6.00 | 5.00 | 4 |
| 4" | 9.00 | 7.50 | 6.18 | 8 |
| 6" | 11.00 | 9.50 | 8.50 | 8 |

Expansion Joints





| SIZE | PART NUMBER |
|-------|-------------|
| 1" | F0615 |
| 11/2" | F0616 |
| 2" | F0617 |



FEMALE NPT X FEMALE NPT

| SIZE | PART NUMBER |
|------|-------------|
| 3" | F0619 |



FLANGE X FLANGE

| SIZE | PART NUMBER |
|------|-------------|
| 4" | F0621 |
| 6" | F0622 |

Any piping system will expand and contract with temperature changes, use this guide for installation of expansion joints to compensate for this movement of aluminum pipe in nonconditioned buildings

| TEMP | | MAX | IMUM ST | RAIGHT R | UN DISTA | NCE | |
|--------|---------|---------|---------|----------|----------|---------|---------|
| CHANGE | 3/4" | 1" | 11/2" | 2" | 3" | 4" | 6" |
| 10°F | 700 ft. | 600 ft. | 550 ft. | 500 ft. | 300 ft. | 250 ft. | 225 ft. |
| 20°F | 500 ft. | 460 ft. | 420 ft. | 370 ft. | 230 ft. | 190 ft. | 175 ft. |
| 35°F | 350 ft. | 310 ft. | 280 ft. | 250 ft. | 150 ft. | 125 ft. | 100 ft. |
| 55°F | 260 ft. | 230 ft. | 200 ft. | 190 ft. | 120 ft. | 95 ft. | 75 ft. |
| 70°F | 200 ft. | 190 ft. | 170 ft. | 150 ft. | 100 ft. | 75 ft. | 50 ft. |



Threaded Male Nipple



| MAIN SIZE | MALE THREAD | PART NUMBER |
|--------------|----------------|----------------|
| 3/4" | 1/2" NPT | F1018 |
| 3/4" | 3/4" NPT | F1118 |
| 1" | 1/2" NPT | F2018 |
| 1" | 3/4" NPT | F2118 |
| 1" | 1" NPT | F2218 |
| 11/2" | 1" NPT | F4218 |
| 11/2" | 1½" NPT | F4418 |
| 2" | 1½" NPT | F5418 |
| 2" | 2" NPT | F5518 |



| MAIN | MALE | PART |
|------|--------|--------|
| SIZE | THREAD | NUMBER |
| 3" | 3" NPT | FI7718 |



Threaded Female Nipple



| MAIN SIZE | FEMALE THREAD | PART NUMBER |
|--------------|------------------|----------------|
| 3/4" | 3/4" NPT | F1120 |
| 1" | 1" NPT | F2220 |
| 11/2" | 1½" NPT | F4420 |

Jumper Hose

| MAIN SIZE | FEMALE THREAD | PART NUMBER |
|--------------|------------------|----------------|
| 3/4" | 1/2" NPT | F1221 |
| 1" | 1/2" NPT | F2221 |
| 11/2" | 1/2" NPT | F4241 |
| 1" | 3/4" NPT | F2231 |
| 11/2" | 3/4" NPT | F4231 |

RUBBER MALE NPT X SWIVEL FEMALE NPT

| MALE NPT X SWIVEL FEMALE NPT | | |
|------------------------------|----------------|----------------|
| MAIN SIZE | MALE THREAD | PART NUMBER |
| 11/2" | 18" | F0225 |

STAINLESS STEEL

| SIZE | THREAD | NUMBER |
|-------|--------|--------|
| 11/2" | 18" | F0225 |
| 11/2" | 36" | F0226 |
| 2" | 36" | F0227 |
| 3" | 36" | F0228 |

| SIZE | LENGTH | NUMBER |
|------|--------|--------|
| 1/2" | 2 ft. | F0212 |
| 1/2" | 3 ft. | F0213 |
| 3/4" | 2 ft. | F0214 |
| 3/4" | 3 ft. | F0215 |
| 3/4" | 5 ft. | F0221 |
| 1" | 2 ft. | F0216 |
| 1" | 3 ft. | F0217 |



STAINLESS STEEL

FLANGE

| MAIN SIZE | MALE THREAD | PART NUMBER |
|--------------|----------------|----------------|
| 4" | 36" | F0234 |
| 6" | 36" | F0236 |

End Cap



| SIZE | PART NUMBER |
|-------|-------------|
| 3/4" | F1006 |
| 1" | F2006 |
| 11/2" | F4006 |
| 2" | TE006 |



| SIZE | PART NUMBER |
|------|-------------|
| 3" | FI7006 |



| SIZE | PART NUMBER |
|------|-------------|
| 4" | FI8006 |
| 6" | FI9006 |

Wall Outlet

(HAS BOTTOM MOISTURE DRAIN)





| | included | 111 |
|----------|-----------------------|-------------|
| OP INLET | OUTLET SIZE FEMALE | PART NUMBER |
| 3/4" | (4x) 1/2" NPT | F1024 |
| 1" | (Av) 1/2" NDT | E2024 |

Wall Outlet w/ Shutoff

(HAS BOTTOM MOISTURE



| TOP INLET | OUTLET SIZE FEMALE | PART NUMBER |
|-----------|-----------------------|-------------|
| 3/4" | (4x) 1/2" NPT | F1024V |
| 1" | (4x) 1/2" NPT | F2024V |

Thru Wall Or Outside Outlet



CUSTOMER SUPPLIED 1/2" NPT NIPPLE LENGTH VARIES PER WALL

| MAIN SIZE | OUTLET SIZE FEMALE | PART NUMBER |
|--------------|--------------------------|----------------|
| 3/4" | (1x) 1/2" NPT | F1024W |
| 1" | (1x) 1/2" NPT | F2024W |



| DIMENSION | Α | В | |
|--------------------|-------|-------|--------|
| 30 CFM 1/4 Body | 5/16" | 3/16" | Туре М |
| 70 CFM 3/8 Body | 7/16" | 5/16" | Туре Н |

Quick Coupler





Quick Coupler Plugs







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

| PART NUMBER | FEMALE THREAD SIZE |
|----------------|-----------------------|
| K7220 | 1/4" NPT |
| | - |

| PART | MALE |
|--------|-------------|
| NUMBER | THREAD SIZE |
| K5221 | 1/4" NPT |

| | NUMBER | THREAD SIZE |
|---|--------|-------------|
| | K5220 | 1/4" NPT |
| _ | | |

| 70 CFM IN | DUSTRIAL STY | LE: | ТҮРЕ Н | | PART |
|-----------|--------------|-----|--------|-------------|-------|
| PART | MALE | | PART | FEMALE | NUMBE |
| NUMBER | THREAD SIZE | | NUMBER | THREAD SIZE | K8221 |
| K9231 | 3/8" NPT | | K9230 | 3/8" NPT | K8231 |
| K9241 | 1/2" NPT | | K9240 | 1/2" NPT | K8241 |

| RT IBER | MALE THREAD SIZE | PAI NUM |
|------------|---------------------|------------|
| 221 | 1/4" NPT | K82 |
| 231 | 3/8" NPT | K82 |
| 241 | 1/2" NPT | K82 |

| PART NUMBER | MALE THREAD SIZE |
|----------------|---------------------|
| K8220 | 1/4" NPT |
| K8230 | 3/8" NPT |
| K8240 | 1/2" NF |
| | |





Saddle Drop



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 1" | 1" | F2210 |
| 11/2" | 3/4" | F4110 |
| 11/2" | 1" | F4210 |
| 2" | 3/4" | F5110 |
| 2" | 1" | F5210 |



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 3" | 3/4" | FI7110 |
| 3" | 1" | FI7210 |



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 4" | 1" | FI8312 |
| 6" | 1" | FI9312 |

Flat Surface Installation

- Use pipe clips to secure pipe to any flat surface with mounting screw
- Ceiling or wall mount
- Clip has 5/16" thru hole and hex bore for a 5/16" hex nut
- · Hex nut serves as a backer for screws
- Use #10 Drywall Screw or Tapcon
- In horizontal installations, mount clip pivot tab up



| MAIN SIZE | PART NUMBER | X DIMENSION |
|-----------|------------------|-------------|
| 3/4" | F1022 - 10 10/pk | 15/16" |
| 1" | F2022 - 10 10/pk | 7/8" |
| 11/2" | F4022 - 10 10/pk | 115/16" |
| 2" | F5022 - 10 10/pk | 13/4" |
| 3" | FI7022 each | 13/8" |





Saddle Drop NPT



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 1" | 1/4" NPT | F2011 |
| 1" | 1/2" NPT | F2012 |
| 1" | 3/4" NPT | F2112 |
| 11/2" | 1/4" NPT | F4011 |
| 11/2" | 1/2" NPT | F4012 |
| 11/2 | 3/4" NPT | F4112 |
| 2" | 1/4" NPT | F5011 |
| 2" | 1/2" NPT | F5012 |
| 2" | 3/4" NPT | F5112 |



| MAIN SIZE | DRILL BIT | GASKET |
|--------------|--------------|---------|
| 1" | 9/16" F0043 | F2210C |
| 11/2" | 3/4" F0044 | F4210C |
| 2" | 3/4" F0044 | F5210C |
| 3" | 3/4" F0044 | FI7210C |
| 4" | 15/16" F0045 | |
| 6" | 15/16" F0045 | |



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 3" | 1/2" NPT | FI7012 |
| 3" | 3/4" NPT | FI7112 |
| 3" | 1" NPT | FI7312 |



| MAIN SIZE | DROP SIZE | PART NUMBER |
|--------------|-----------|----------------|
| 4" | 1" NPT | FI8312 |
| 6" | 1" NPT | FI9312 |









Saddle Drop Installation

- System must be de-pressurized before installing
- To prevent chips from entering the pipe interior, stop drilling occasionally and blow out chips, grease the end of the drilling tool
- 1. Position saddle drop opposite the side of the pipe that needs the hole
- Tighten securely and mark the pipe by the raised locating mark on the fitting
- Mark the pipe both horizontally & vertically along the fitting edge
- 2. Drill thru one side of the pipe with the drill bit, using the hole in the fitting as a locator
- 3. Insert the saddle drop gasket into the molded cavity
- 4. Position the saddle drop over the drilled hole with aligning marks, tighten securely
- 5. Attach the necessary drop pipe or threaded adapter

Hanging Installation



- Beam Clamp-Pipe Clip • 5/16" threaded rod
- Pipe Clip



- Beam Clamp • 3/8" threaded
- гod
- Loop hanger



Rod x 6ft.

(100 Pack)

D max = 10 ft.

PART NUMBER PART NUMBER F0029 F0029

- Hangers or mounting clips should be no more than 10 ft. apart and one must be at least 6" from a fitting
- Do not over tighten cantilever type tube supports, pipe must be allowed to expand and contract slightly in length
- See page 6 for expansion joint guidelines

Beam Clamp

- Thru hole design
- Works for both 5/16" and 3/8" threaded rod
- 3/4" width opening

PART NUMBER

MAIN SIZE PART NUMBER

11/2"

2"

3"

4"

6"

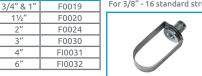


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|--|--|

Loop Hanger

For 3/8" - 16 standard strut



Cantilever Strut Arm

- 12" overall length
- 15%" standard strut



PART NUMBER

| MAIN SIZE | PART NUMBER |
|-----------|-------------|
| 3/4" | F0017 |
| 1" | F0022 |
| 11/2" | F0023 |
| 2" | F0025 |
| 3" | FI0028 |
| 4" | FI0035 |
| 6" | FI0040 |

Strut Cushion Clamp





FAST PIPE O

FastPipe Installation



Cut Pipe to length with tubing cutter (cut must be square) (DO NOT USE HACK SAW)



Deburr the end of the pipe outside and inside (a smooth edge allows easy fitting assembly and no damage to the fitting O-ring)





Mark end of pipe for the proper insertion depth

3/4" Fittings: 1" Fittings: 11/2" Fittings: 2" Fittings: 3" Fittings:

2 inches 2 - 3/4inches 4 inches

4 - 3/4 inches 4 - 1/2 inches



Wet end of pipe with very diluted soapy water DO NOT USE ANY OIL OR **GREASE LUBRICANT**

Depth mark for



Loosen FITTING CONE **NUT PARTIALLY** LOOK INSIDE EACH FITTING FOR INNER PARTS (inner parts, o-ring, stainless steel bite ring)

TAB MUST ALIGN TO NOTCH



Insert pipe into fitting until pipe bottoms out Hand tighten fitting Fully tighten fitting with FastPipe spanner wrenches

Pipe Cutter



Deburr Tool



| MAIN SIZE | PART # |
|--------------|--------|
| 3" | FI0153 |
| 4" | FI0154 |
| 6" | FI0155 |

FastPipe Installation

Cut Pipe to length

(DO NOT USE HACK SAW)

Lug the end of pipe

DO NOT OVERLAP THE LUGS

with tubing cutter

(cut must be square)



Deburr the end of the pipe outside and inside (a smooth edge allows easy fitting assembly and no damage to the fitting O-ring)

Add marks for lugs Use the locating notches on

the outer edge of the deburr head to add marks for the location of the lugs on the pipe.

4" Fittings: 5 lugs | 6" Fittings: 8 lugs



Wet end of pipe with very diluted soapy water and assemble seal and fitting DO NOT USE ANY OIL OR

GREASE LUBRICANT



Tighten bolts per sequence shown 15 ft. lbs - 20 ft. lbs max DO NOT USE AN IMPACT



Pipe Cutter (4" thru 6")



| PART NUMBER | |
|-------------|--|
| FI0149 | |

Lug Tool Jaw Set



| MAIN SIZE | PART NUMBER |
|-----------|-------------|
| 4" - 6" | FI9021 |

Cordless Lugging Tool



| PART NUMBER | |
|-------------|--|
| FI9020 | |
| | |

Tool Set



| MAIN SIZE | PART NUMBER |
|-----------|-------------|
| 3/4" | F0136 |
| 1" | F0137 |
| 11/2" | F0138 |
| 2" | F0145 |
| 3" | FI0146 |



11/2"

PART NUMBER F0139

MAIN SIZE PART NUMBER

F1020 each

F2020 each

F4020 each

F5020 each

FI7020 each (2) REQUIRED

Spanner Wrench Deburr Tool



| MAIN SIZE | PART NUMBER |
|--------------|-------------|
| 3/4" & 1" | F0142 |
| 3/4" thru 2" | F0141 |

ELECTRIC DRILL REQUIRED



Deburr Tool

| MAIN SIZE | PART NUMBER |
|-----------|-------------|
| 3" | FI0153 |

4" THRU 2" PART NUMBER

F0140

3" PART NUMBER

FI0148



▲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
- Systems must have a SAFETY RELIEF valve installed at the compressed air source to prevent over pressurization
- · When using FastPipe in direct sunlight, cover or paint the polymer fittings to protect from UV exposure (Pipe needs no covering and can be exposed) —
- Keep children away from the system

FastPipe is NOT designed:

- · For underground burial
- To electrically ground equipment
- To be welded

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

MARNING: 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.

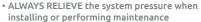
CONTAINS LEAD: MAY BE HARMFUL IF EATEN OR CHEWED. MAY GENERATE DUST CONTAINING LEAD. KEEP OUT OF THE REACH OF CHILDREN.

Installation Tips & Recommendations

Care must be taken on any installation of the FastPipe system. Pipes will be carrying compressed air/ gas up to 190 psi. The FastPipe system is only as safe as a thorough installation. Read all installation instructions and watch videos before starting. Below are some tips for a safe installation.

We strongly recommend that the installer contact our tech department for installation questions PRIOR to the installation.

- · Assemble all NPT PIPE THREADS with two wraps of Teflon tape and then pipe sealant which prevents thread galling.
- Support the pipe with clips/ hangers a maximum of 10 FT. SPACING and on ONE SIDE OF EACH FITTING.
- FastPipe can be bent to a maximum of 15° DO NOT OVER BEND. 3/4" Fastpipe can be bent to 45°
- Any machine/compressor plumbed to the FastPipe must have a JUMPER HOSE to reduce vibration.
- · Any piping system will expand and contract with temperature changes. Use EXPANSION JOINTS to compensate for this movement of aluminum pipe in non-conditioned buildings.
- DO NOT USE FastPipe for PULSING desiccant drivers or other like equipment.
- CAUTION installing inert gas bulk tank systems, gas must be warmed up to FastPipe temperature range.
- · Use a strain relief attached to the building for any rubber hose drops attached to the piping.
- 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 FastPipe 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.
- 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.







A great alternative for drops and long continuous runs, see our website, www. rapidairproducts.com, for more details.

- 1/2", 3/4", 1", 2"
- Multi-Layer Semi Flexible Tubing
- Inner and Outer Layer HDPE
- Center Layer Aluminum
- Sizes Measured on Inside Diameter MAXLINE FITTINGS DO NOT INTERCHANGE DIRECTLY WITH FASTPIPE, BUT CAN CONNECT THRU PIPE THREAD ADAPTERS FITTINGS.



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



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



HDPE

| 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 | 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 |



| 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 |



