

FastPipe Cooling Loop Installation Instructions

ASSEMBLY INSTRUCTIONS

- 1.) Locate a flat, empty wall near an air compressor
- 2.) Cut an 8 inch piece out of all four long tubes with an approved cutter
- 3.) Install ball valves into tees--see note below on thread prep procedure
- 4.) Assemble black wall outlet into last tee
- 5.) Debur pipe ends
- 6.) Hang the piping, installing the top clips just below the elbows to prevent the assembly from sliding downward

AIR COMPRESSOR

Use a flexible jumper hose from the air compressor to reduce vibration to the FastPipe System.

FILTER REGULATOR

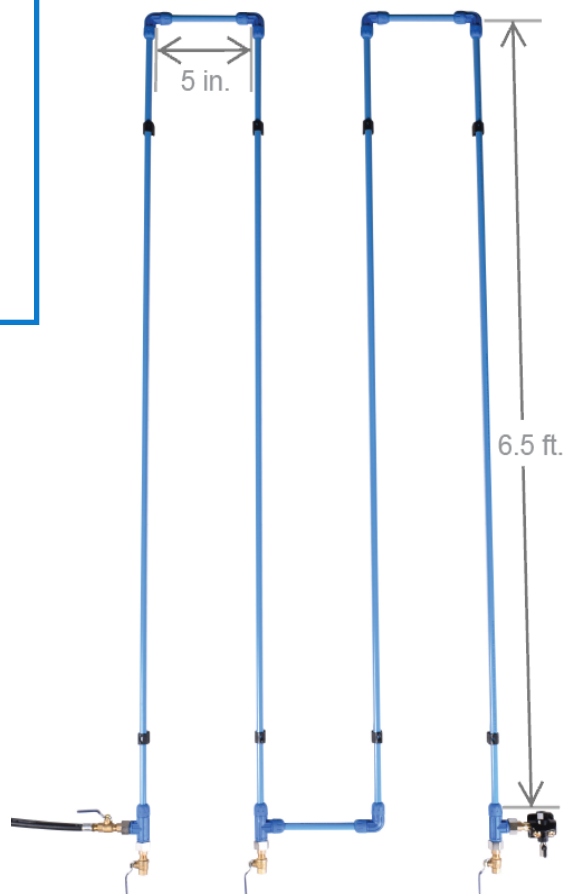
A filter regulator unit is recommended to keep contaminants out of the air system and to allow for pressure adjustment.

PRESSURE RATINGS

The FastPipe system has a maximum working pressure of 190 psi and a temperature range from 0 to 140 deg F.

ASSEMBLY OF THREADED COMPONENTS

Assemble all NPT threads with two wraps of teflon tape and then PIPE SEALANT which prevents thread galling.



INSTALLATION



1 CUT PIPE TO LENGTH with tubing cutter (cut must be square) (DO NOT USE HACK SAW)



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



3 MARK END OF PIPE for the proper insertion depth

3/4" Fittings: 2 inches
1" Fittings: 2-3/4 inches
1 1/2" Fittings: 4 inches
2" Fittings: 4-3/4 inches



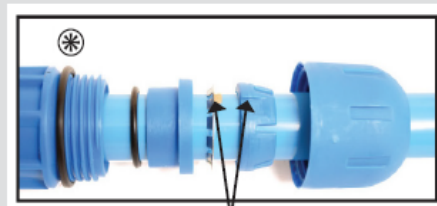
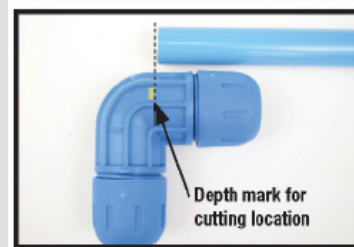
4 WET END OF PIPE with very diluted soapy water
DO NOT USE ANY OIL OR GREASE LUBRICANT



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



6 INSERT PIPE into fitting until pipe bottoms out
HAND TIGHTEN fitting
FULLY TIGHTEN fitting with FASTPIPE spanner wrenches



TAB MUST ALIGN TO NOTCH

*Tension O-ring on 3/4" and 1" fittings only

PIPE CLIPS

- Use pipe clips to secure pipe to any flat surface with mounting screw
- Clip has a 5/16" thru hole and hex bore for a 5/16" hex nut
- Hex nut serves as a backer for screws
- Use #10 drywall screws or Tapcon



PIPE CLIP

OUTLETS

- Outlet ports are 1/2" Female NPT, Drain port is 3/8" Female NPT



WALL OUTLET


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 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
- 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

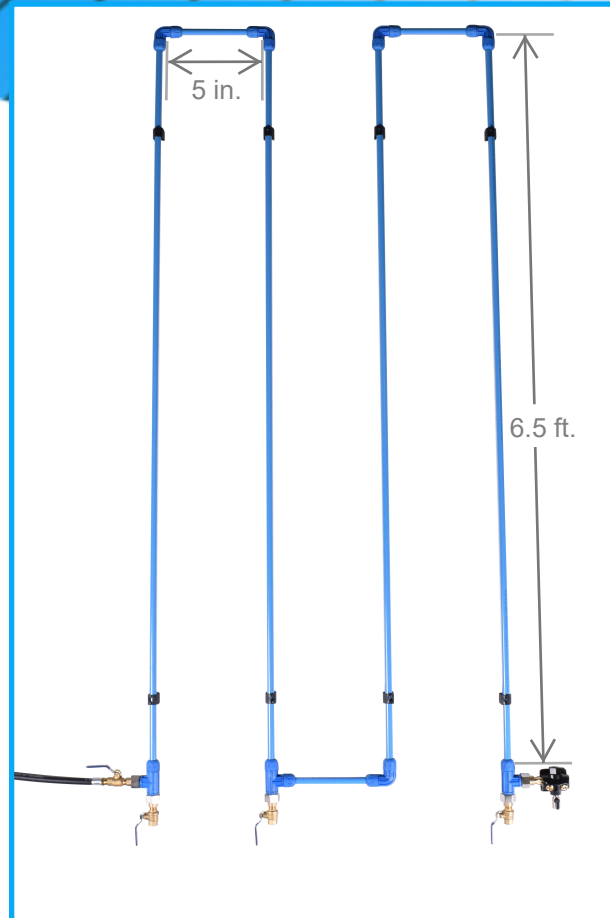
FASTPIPE INSTALLATION TIPS AND RECOMMENDATIONS:

- 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 50 psi and check for leaks, then pressurize slowly to MAX 190 psi
- Make sure compressor output temperature does not exceed **140°F**.
- 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.

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

FASTPIPE AIR COOLING LOOP

- Easy to install, versatile solution to eliminate excess moisture in an air system
- Hot air flows into the cooling loop and travels a total distance of approximately 27 feet, cooling the air and causing water vapor to condense
- Rectangular construction allows for easy draining through the ball valves
- Inexpensive compared to the cost of a powered air dryer or aftercooler



Parts List

3/4" Cooling kit- #F28072

QTY	Description
4	F1863 3/4" x 7' 6" Pipe
5	F1003 Elbows
3	F1009 Tee x 1/2 npt
2	F3400 Large Hex Nut
2	F3411 Gasket
2	F3450 Brass Insert x 1/2 npt
4	K35050M Ball Valve MxF 1/2 npt
1	50616 1/2 Hex Nipple brass
1	F2025 Wall Outlet
1	F0142 Debur Tool
2	F1020 Spanner Wrench
1	F1022-10 Wall Clips 10 pack
1	F0213 1/2 x 3 ft compressor hose

1" Cooling kit- #F28092

QTY	Description
4	F2863 1" x 7' 6" Pipe
5	F2003 Elbows
3	F2009 Tee x 1/2 npt
2	F3100 Large Hex Nut
2	F3111 Gasket
2	F3175 Brass Insert x 3/4 npt
1	K35075M Ball Valve MxF 3/4 npt
3	K35050M Ball Valve MxF 1/2 npt
1	50620 3/4 x 1/2 Hex Nipple brass
1	F2025 Wall Outlet
1	F0142 Debur Tool
2	F2020 Spanner Wrench
1	F2022-10 Wall Clips 10 pack
1	F0215 3/4 x 3 ft compressor hose

