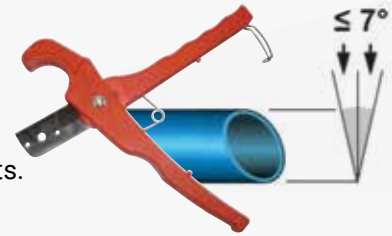
TOPRING
AIR LINE
HOME GARAGE FLEXIBLE KIT
INSTALLATION GUIDE SERIES 5

1 CUT THE TUBE

Use the tube cutter included with the kit. The cut must be straight and perpendicular to the tube.
Maximum of ≤ 7° is tolerated for the cuts.

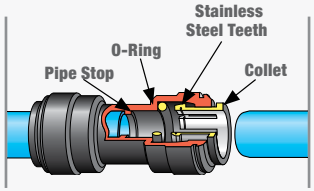


2 CLEAN THE TUBE

It is strongly recommended to clean the ends of the tube by eliminating all residue, dirt and dust inside the tube to avoid any potential equipment problems.

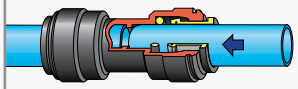
3 TUBE AND FITTING ASSEMBLY

The installation of the **AIR LINE** Home Garage Flexible Kit is very simple, easy to modify and no special equipment required. For a high-performing and long-lasting system, you only need to take a few simple precautions.

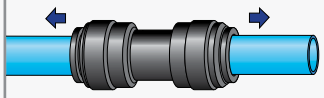


WARNING: Lubricants, grease, and oil must not be used for the tube and fitting connection. The presence or use of lubricants may result in improper sealing and tube connection.

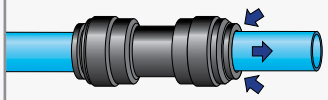
3 EASY STEPS TO MAKE A CONNECTION



STEP 1
Push the tube into the fitting until it stops.



STEP 2
Pull to verify that the tube is secure.
Test the system before use.



STEP 3
To disconnect, make sure the system is depressurized. Push the collet towards the fitting and remove the tube. The fitting can be reused.

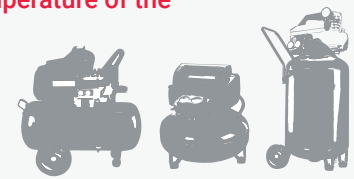
4 MOUNTING CLIPS

In order to avoid twisting and sagging of the tubes, it is recommended to install mounting clips every 16 inches (40 cm) and on each side of the 90° elbows (corner fittings).

CAUTION

The Home Garage flexible kit must never be connected directly from the compressor outlet if there is no integrated air tank. Without the tank, the temperature of the compressed air will be too hot. The maximum operating temperature of the Home Garage tubing is 70 °C.

It is also recommended to install the Home Garage flexible kit on compressors of 5 HP and less.



CHECKING BEFORE PRESSURIZING / RESIDUAL RISK

Without respecting the safety information and requirements provided in this document, an inadequate assembly of the system can result in:

- Under pressure fluid ejections, in case of disconnection caused by inadequate tightening.
- Under pressure fluid ejections, in case of damage to the pipe caused by shocks.
- Under pressure fluid ejections, if the operating pressure is higher than 145 PSI (10 BAR) at 23 °C .

When identified, defective parts must be repaired immediately.

PRESSURIZING (TWO PHASES)

1- Run a preliminary test by gradually raising the pressure to a maximum of 43.5 PSI (3 BAR). This will allow the operator to identify leaks or faulty connections and make the necessary corrections. Gradual pressurization will also remove all the aluminium residue in the system.

2- Gradually and continuously increase the pressure, 14.5 PSI (1 BAR) every 5 seconds, until it reaches the working pressure.

PRESSURIZING VERIFICATION

1- Once the working pressure has been reached, maintain working pressure for at least 10 minutes (slight dips are tolerated).

2- After the first 48 to 72 hours, check all seals.

CAUTION

THE TUBING SYSTEM SHOULD NEVER SUPPORT LOADS OTHER THAN ITS OWN WEIGHT, OR BE EXPOSED TO MOVEMENT OTHER THAN THE NORMAL EXPANSION OF ITS COMPONENTS. WHEN PLANNING THE LAYOUT OF THE SYSTEM, FLEXIBLE HOSES SHOULD BE CONNECTED THROUGH STURDILY ATTACHED HOSE REELS OR MANIFOLDS TO ISOLATE TUBING FROM TOOL WEIGHT AND MOVEMENT.

MAINTENANCE

Here is a list of recommended checks and controls by TOPRING:

- Review the status of the installation on an annual basis.
- In the event of an impact, check the condition of the pipe and replace any damaged parts.
- Check for air leaks.

WARNING: ANY TYPE OF INTERVENTION MUST BE CARRIED OUT ON A DEPRESSURIZED SYSTEM.

INSTALLATION GUIDE • AIR LINE HOME GARAGE FLEXIBLE KIT • SERIES 5

TOPRING
Compressed air solutions

KIT INCLUDES:

Description	Qty
Polyurethane tubing 1/2 x 100 ft	1
Tube cutter	1
Straight connector 1/2 x 3/8 (M) NPT	1
Straight connector 1/2 x 1/2 (M) NPT	2
Straight union 1/2	2
Union elbow 1/2	6
Tee union 1/2	1
Mounting clips for 1/2 tube	25
Aluminium Manifold with drain 1/2 (F) NPT x 3/8 (F) NPT	2
Miniature hand valve 3-way 1/2	1
Coupler (1/4 IND) 3/8 (M) NPT (manual)	2
Ergonomic blow gun 10 cm extension	1
Plug (1/4 IND) 1/4 (M) NPT	2

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In addition to carefully reading the TOPRING design guide, product guidelines, system and/or network (hereinafter referred to as « TOPRING Product(s) »), purchasers and/or users of a TOPRING Product that involves compressed air must inquire, prior to its use, about the health and safety risks associated with compressed air.

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