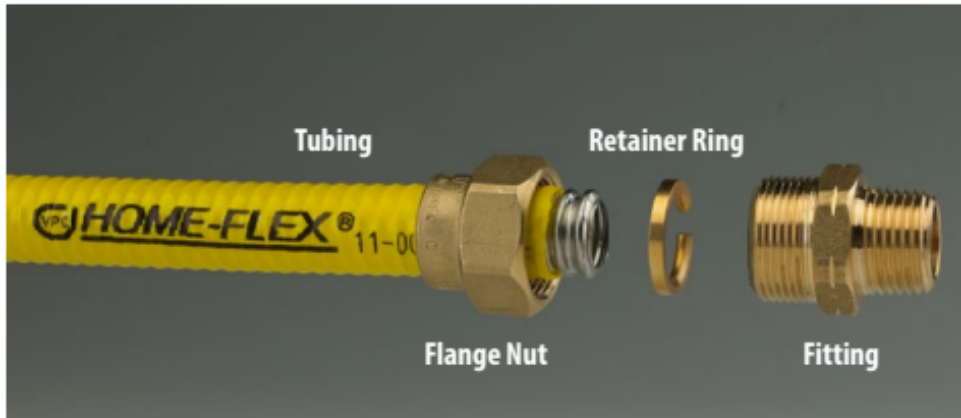


HOME-FLEX®



HOME-FLEX.com

CSST Fitting Assembly



HOME-FLEX® fittings achieve seal by compressing the tubing into the gasket. It is critical that the cut end of the tubing is clean of any burrs or jagged edges, and that there is no debris on the tubing or gasket. A seal is achieved with a good deal of force. In the absence of a torque wrench, the general guideline is to tighten with two wrenches (one holding the fitting in place, the other turning the flange nut counterclockwise) until the nut will no longer turn and only 2-3 threads are showing.

1: Cut HOME-FLEX® tubing to length. Using a stainless steel rated tube cutter, cut the HOME-FLEX® tubing to the desired length, leaving at least 1 extra inch for placement of the fitting. Cut in the valley of the tubing and clean any burrs or jagged edges. Cut in full circular strokes in one direction, tightening gradually after each rotation. Be careful to not overtighten the roller as it could flatten the HOME-FLEX® tubing.

2: Remove tubing jacket to prepare for fitting assembly. Using a utility knife, strip the yellow pipe jacket back 2 valleys from the end of the tubing. DO NOT USE A TUBE CUTTER FOR THIS TASK AS IT COULD DAMAGE THE TUBING.

3: Place flange nut over HOME-FLEX® tubing. Slide the HOME-FLEX® flange nut over the tubing with the threaded end pointing toward the end of the tubing. The flange should cover the yellow tubing jacket.

4: Place retainer ring on HOME-FLEX® tubing. Place the retainer ring in the first valley of the tubing. Being careful to not dent the tubing, clamp the ring in place by applying gentle pressure 360° around the ring. It should fit tightly and not easily spin around the tubing.

5: Install HOME-FLEX® fitting in destination (manifold, pipe system, fixed appliance, etc.). Make sure that the gasket inside the HOME-FLEX® fitting is secure on the socket. Apply a pipe sealant to the tapered (NPT) thread of the fitting and install it in the gas system.

6: Attach flange nut to the installed HOME-FLEX® fitting. Place the HOME-FLEX® flange nut onto the installed fitting. Hand tighten the fitting assembly from the nut-end being sure that only the nut turns (the fitting and tubing should not turn). Then tighten to the recommended torque value (80 ft•lb for 1/2", 95 ft•lb for 3/4" fittings) using a second wrench to hold the fitting in place (generally, tighten with force until the nut will no longer turn).

DO NOT use sealant on the parallel thread (gasket side) of the socket.

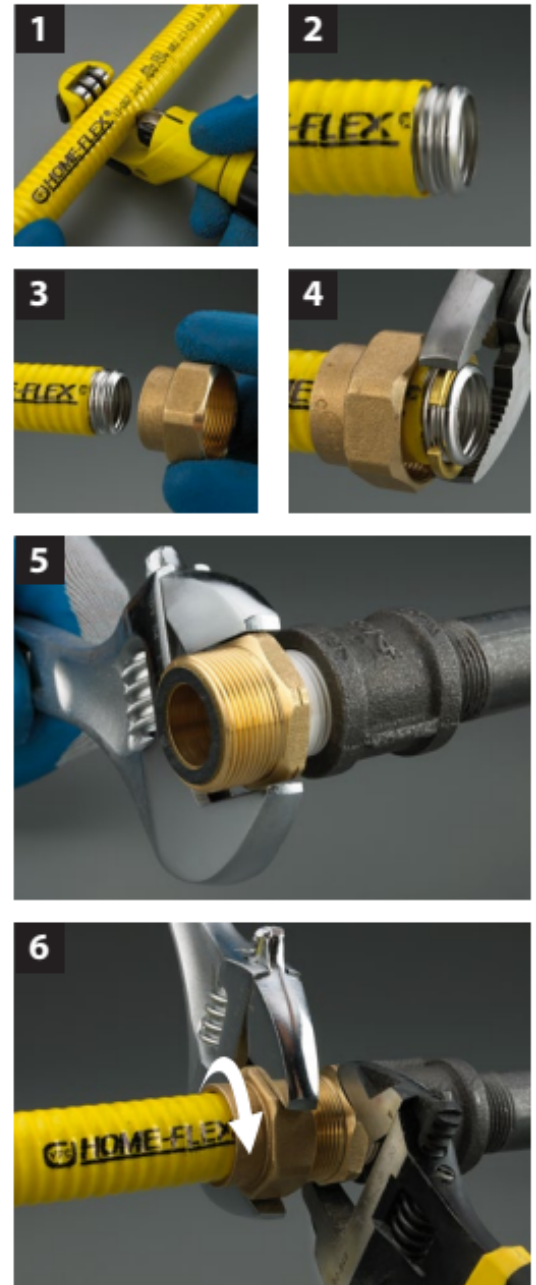
Troubleshooting Fitting Assembly and Correcting Leaks

Step 1: Gradually tighten fitting until leak stops.

Step 2: If leak does not stop after reaching maximum torque, stop, open the assembly and check for:

- Proper fitting assembly.** Make sure the gasket is installed in the base of the parallel thread of the fitting. If it was not, install the gasket, repeat assembly steps, and test for leaks again. Gaskets cannot be reused: if it was installed, replace it with a new gasket and continue to step 2b.
- Obstructing material in assembly.** If dirt, shavings, jacket remnants, etc. are found, remove material and reassemble, checking for leaks again.
- Integrity of assembly pieces.** If the retainer ring or the gasket are cracked, misshapen or otherwise damaged, replace them and repeat assembly.

Note: DO NOT use sealing solution on parallel thread (gasket end) of fitting assembly. Gaskets cannot be reused, and must be replaced if fitting assembly is disassembled. Not all fittings include an o-ring and it is not part of the gas sealing mechanism.



Warning!

Improper installation or operation of the system may result in fire, explosion, or asphyxiation. Only the components provided or specified by Valencia Pipe Company for use with HOME-FLEX® or Alpha-FLEX™ as part of the fuel gas system are to be used in the installation. Use of components from other flexible gas piping systems other than those specified as part of the HOME-FLEX® or Alpha-FLEX™ systems is prohibited and may result in poor system performance and serious bodily injury or property damage.

While every effort has been made to prepare this document in accordance with all regional model codes in effect at its printing, Valencia Pipe Company cannot guarantee that the local administrative authority will accept the most recent version of these codes. It is the ultimate responsibility of the qualified installer to determine suitability and acceptance of any building component including gas piping. Valencia Pipe Company, manufacturers of HOME-FLEX® CSST, assumes no responsibility for labor or material for installations made without prior determination of local code authority acceptance. HOME-FLEX® and the VPC logo are registered trademarks of Valencia Pipe Company, Inc. All rights reserved. 1304/A

