Gas Connectors

Jones Stephens' family of gas connectors are the professional's choice for all your gas appliance hook-up needs. The flexible hoses are made of durable 304 stainless steel and the end fittings are plated for high corrosion resistance.

All Jones Stephens gas connectors have quality flared end fittings which create a metal to metal seal and are 100% leak tested to ensure safety and quality.

Our gas connectors are approved for use with natural or LP/propane gas supply systems with operating pressures no higher than ½ lb. per square inch.

CAUTION: Failure to read and follow these instructions and safety warnings may result in personal injury, property damage, or connector failure.

Tools Needed

A. Two 10 in. adjustable wrenches

B. Pipe dope or gas pipe thread tape

C. Non-corrosive gas leak test solution

Certifications and Specifications

- CSA certified for indoor and outdoor use
  - ANSI Z21.24/CSA 6.10
  - ANSI Z21.75/CSA 6.27

Applied Torque

Nominal connector I.D. (inches)	Torque (inch-pounds/N·m)	
	Minimum	Maximum
1/4	150 (16.95)	260 (29.38)
3/8	200 (22.60)	390 (44.06)
1/2	250 (28.25)	520 (58.75)
5/8	300 (33.90)	650 (73.44)
3/4	400 (45.19)	780 (88.13)
1	450 (50.84)	1040 (117.50)

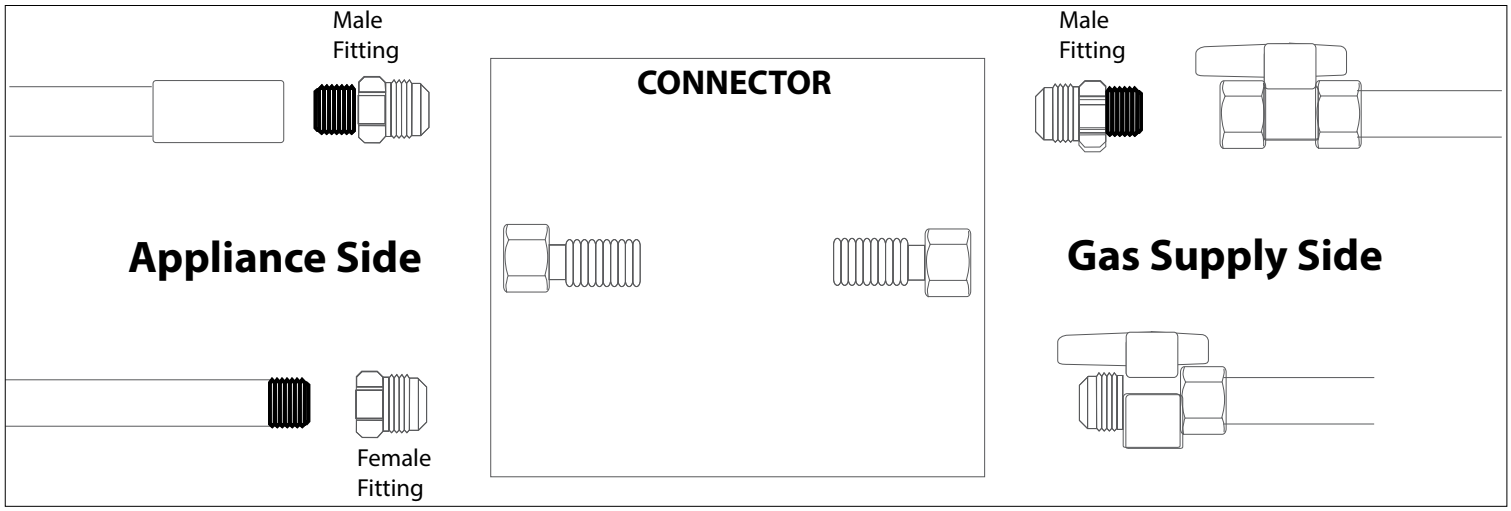
Important Installation Safety Warnings

- Gases can be highly flammable, igniting by a spark or a flame. Use caution and follow instructions carefully.
- NEVER reuse gas connectors, fittings, or valves. If an existing appliance is moved or a new appliance is installed, a new connector must be used.
- DO NOT use a connector that has been in a fire.
- To prevent corrosion, DO NOT allow strong cleaning solutions or chemicals containing amonia or chlorine to come in contact with or be stored near the connector. Do not use the connector near hot tubs or swimming pools. Rinse with water immediately if exposed.
- An accessible (within 6 feet) manual gas shut-off valve MUST be present on the gas supply, ahead of the connector. DO NOT continue installation if a shut-off valve is not present. Call a licensed plumber.
- DO NOT install the gas connector so that it is concealed within or runs through any wall or partition. The gas outlet must be in the same room as the appliance.
- DO NOT twist, kink, or bend the connector smaller than an 1-1/2" internal diameter. Avoid sharp bends.
- DO NOT trap the connector against sharp corners.
- DO NOT stretch the connector. The connector must be at least 2 -3 inches longer than the distance from the gas supply line to the appliance.
- NEVER join two or more connectors to make a longer connector.
- DO NOT use this connector with infrared radiant tube heaters.
- DO NOT use this connector on appliances in moving vehicles, such as RVs or trailers. It can be used in mobile homes.
- DO NOT use this connector to directly connect to an LP gas tank. ONLY connect to the regulator device on LP gas tanks.
- DO NOT use the connector on equipment with casters or rollers. Connectors are designed for occasional movement after installation. Repeated bending, flexing, or excess vibration will cause metal fatigue and must be avoided.
- USE THE FITTINGS SUPPLIED with this connector. DO NOT assemble the connector nut directly to the male pipe threads of the appliance or gas supply line.

Installation Instructions

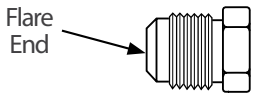
The gas connector and gas appliance installation must conform with all applicable local codes. If in doubt, contact your local gas company.

NOTE: Fuel gas codes require a manual shut-off valve within 6 feet of the appliance.



1. Turn off the gas supply before starting installation of the connector. If there is not a manual shut-off valve near the appliance, shut-off the gas supply at the main valve near the meter.
2. Remove all fittings from the connector and identify the fittings with your connector, based upon the image above.
3. If there is not a manual shut-off valve within 6 feet of the appliance, prepare to install a new manual shut-off valve onto the gas supply pipe.
4. Clean all pipe threads with a rag and wire brush to remove any debris.
5. Apply pipe thread sealant to all **male pipe threads** needed for your connection.

   DO NOT apply sealant or tape to the flare ends of the fittings or the shut-off valve. Sealant and tape prevent flare connections from sealing properly.



6. Thread the treated male pipe threads into the corresponding pipe, fitting, or valve and tighten with a wrench. Refer to the *Applied Torque* chart and do not overtighten.
7. Thread the ends of the connector onto the **flare end** connections of the appliance and gas supply and tighten with a wrench. Refer to the *Applied Torque* chart and do not overtighten.

WARNING: DO NOT TURN ON THE APPLIANCE until all connections have been tested for leaks.

WARNING: Do not use candles, matches, open flames, or other sources of ignition to test for leaks!

8. Use the manual shut-off valve to turn ON the gas supply.
9. Test all connections with non-corrosive gas leak test solution. (Do not use dish soap). Bubbles indicate a leak. If a leak if detected, shut off the gas supply before tightening any connections.
10. Once testing shows no leaks, rinse connections with water and dry.
11. If 10 minutes have passed and no gas smell is present, light the pilot light and turn on the appliance.