



gas connector installation & safety instructions

how to select a gas connector

1. Choose Connector by Appliance Type:

1/2" ID (5/8" OD) Tube/Flare	3/8" ID (1/2" OD) Tube/Flare	1/4" ID (3/8" OD) Tube/Flare
Large Demand Appliance	Moderate Demand Appliance	Low Demand Appliance
Furnace, Boiler, Pro-Grade Range	Water Heater, Range, Dryer	Space Heater, Gas Log Fireplace, Dryer

2. Measure Connector Length:

Measure from gas supply to appliance and add extra length to allow appliance to be pulled out safely.

3. Match Connector Ends to Appliance and Shut-Off Valve:

Use flare fittings. Do NOT connect flare nuts directly to pipe threads. Use proper adaptors.

important warnings

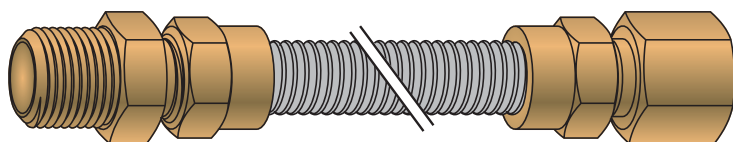
IMPORTANT: Always read all safety warnings on product tag and instruction sheets before beginning installation.

IMPORTANT: Even the highest-quality gas system can become hazardous if improperly installed, tested, or maintained. Always read all safety warnings and installation instructions thoroughly before beginning. Installation must comply with all applicable local, state, and national building and fuel gas codes. When in doubt, call a licensed plumber or your local gas company.

- Connector must be installed in accessible locations only.
- DO NOT conceal connector or run through walls, floors, partitions, or inside appliance panels.
- DO NOT install near open flame or route close to a gas log flame.
- Entire connector must remain visible for inspection.
- DO NOT reuse connector or fittings from old installations.
- DO NOT USE if damaged, corroded, exposed to fire, or coating is compromised.
- Avoid chemicals: Do not expose to bleach, ammonia, dish soap, solder flux, acids, insecticides, or solvents.
- Do not install near pools, hot tubs, or in moving vehicles.
- Not for use with infrared (radiant tube) heaters unless it is manufacturer approved.

BTU capacity by connector size

Use this chart to select the appropriate connector based on your appliance's maximum BTU input. Never exceed the listed BTU capacity. If unsure, consult a licensed professional.



GAS BTU RATING	Straight Length Capacity-Btu Per Hr using: 0.64Sp Gr, 1000 Btu Per Cu Ft (37.5 MJ Per Cu Meter) Gas at 0.5 inch Water Column (124 Pa) Pressure Drop. The capacity at 50 Pa (0.2 inch water column) pressure drop can be determined by multiplying the BTU per hr. listed in the table below by 0.632							
	12"	18"	24"	30"	36"	48"	60"	72"
1" OD (3/4" ID)			290,000	270,500	255,900	215,000	197,400	173,900
5/8" OD (1/2" ID)	180,000	164,200	150,000	136,000	125,000	106,000	93,200	86,000
1/2" OD (3/8" ID)	102,000	93,100	85,000	77,100	71,100	60,500	53,200	49,100
3/8" OD (1/4" ID)	48,000	43,600	40,000	36,400	33,400	28,300	24,900	23,100

installation instructions

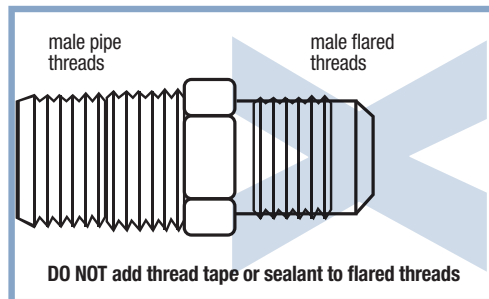
WARNING: Gas connector installation should be performed by a licensed professional. Improper installation can result in serious injury, property damage, or death. A qualified installer will ensure all connections are secure, components are properly matched, and installation complies with all local, state, and national codes.

WARNING: DO NOT stretch or twist the connector; ensure it's long enough to reach the appliance comfortably.

TOOLS NEEDED:

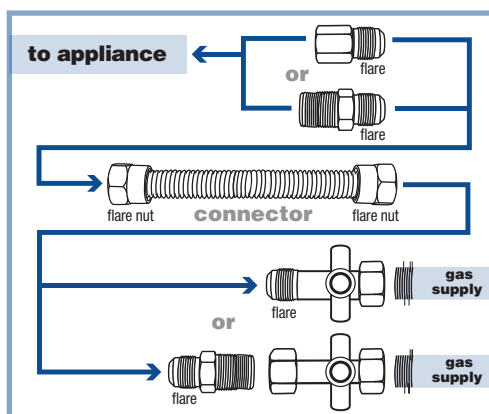
Two (2) 10 in. adjustable wrenches, thread sealant, leak detection solution

1. Shut off gas supply before disconnecting old appliance.
2. Clean all threads with a wire brush and rag.
3. Apply sealant only to male pipe threads. Do NOT apply sealant or tape to flare ends.

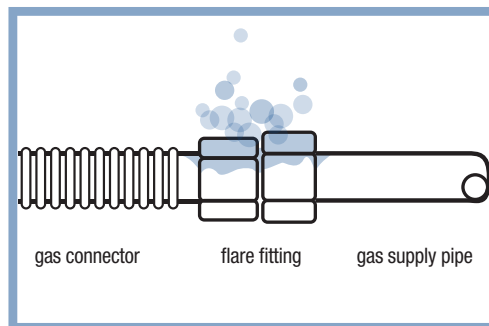


NEVER apply thread sealant or tape to the flared ends.

4. Install manual shut-off valve if needed, then connect flare fittings to appliance and valve and wrench-tighten.
5. Attach the gas connector to the flare fittings and wrench-tighten. Avoid sharp bends and kinks.



6. Final step: Leak test all connections with leak test solution (no open flames).
7. If bubbles appear, shut off gas and retighten. Wait 10 minutes for gas to dissipate before relighting.



8. Rinse all parts with clean water after the leak test to prevent corrosion.

safety notices

- Test for leaks using only approved leak detection solution.
- Appliance must not be turned on until leak testing is complete.
- Connector is rated up to 1/2 PSIG (3.5 kPa) and must not exceed this limit.
- Only use connector for indoor fixed appliance installations—not LP tank hookups.



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Listings & Certifications:

Components CSA listed to ANSI Z21.24 / CSA 6.10 standard "Connectors for Gas Appliances"
Components CSA listed to ANSI Z21.75 / CSA 6.27 standard "Connectors for Outdoor Gas Appliances & Manufactured Homes"