

Required System Components

- Eastman Gas Connector

Required Tools

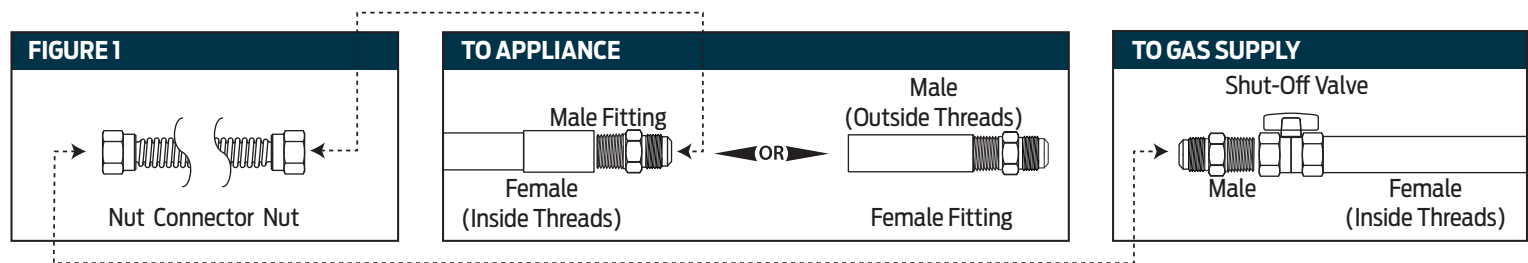
- Two 10" adjustable wrenches
- Leak detection solution
- Pipe thread sealant
- Cleaning rag

Note

- Fuel codes require installation of a manual shut-off valve in the same room that is within easy reach of the appliance (i.e. within 6 feet).
- A shut-off valve is not included with this connector.

CAUTION & WARNING

- The installation **MUST** be compliant with the National Fuel Gas Code (ANSI Z233.1) and local installation codes.
- The installation and testing **MUST** be performed by a qualified professional. Make sure that gas supply and gas valves of the appliances are shut off before the installation of gas connector.
- **DO NOT REUSE any connectors, fittings and valves.** They are designed for use on original installation only. Removal of connector and any additional handling may damage connector making it unsafe and unreliable for reuse.
- **WARNING:** Turn off gas supply before disconnecting old appliance. In absence of manual shut-off valve near appliance location, gas **MUST** be shut off on the main valve, near the meter.
- **DO NOT** use this connector if it has been in a fire. Fire can damage the connector making it unsafe for reuse.
- **DO NOT** use this connector on appliances equipped with rollers or casters. This connector is designed for limited movement after installation. Repeated bending, flexing or extreme vibration can cause metal fatigue and must be avoided.
- **DO NOT** use connectors to make a direct connection to LP gas containers. Connection **MUST** be made to the regulator device only.
- **DO NOT** use connector on appliance in moving vehicles such as RV's, trailers, etc. However, this product may be used in manufactured housing, like permanent residence mobile homes.
- **DO NOT** use this connector with infrared radiant tube heaters. Cyclic movement of heater may cause connector to fail.
- Keep cleaning solvents containing ammonia or chlorine away from uncoated or damaged gas connectors. **DO NOT** store these solutions near connectors or use the connectors near a swimming pool or hot tub. If exposed to these chemical products, rinse the connectors thoroughly with water.
- **DO NOT** join two or more connectors to make a longer connector.
- **DO NOT** stretch connector to make it fit. Connector should be of adequate length to reach from the gas supply line to the appliance without stretching.
- **DO NOT** conceal connector or run connector through enclosed outdoor BBQ pits, walls, partitions, floors or appliance panels. The gas outlet must be in the same room as appliance.
- **DO NOT** assemble gas connector nuts directly to male pipe threads of gas supply pipe or appliance. Install connector using the fittings provided. (See Figure 1)



WARNING: Turn off gas supply before disconnecting old appliance. In absence of manual shut-off valve near appliance location, gas **MUST** be shut off on the main valve, near the meter.

Measure

Determine the length needed to reach from the appliance inlet to the gas supply. Allow additional length to access behind the appliance.

**Local codes may limit the maximum length, check all local and applicable codes before installation.*

Check Appliance

Identify the manufacturer label on your appliance to determine the gas input rating. Select the correct length and Btu/hr rating that is greater than your appliance. (See below chart)

Match

Make sure fittings included match up to the gas supply and inlet of the appliance.

Be SAFE

Read and understand the installation instructions! Failure to follow the instructions can result in product failure, property damage and/or personal injury.

Mide

Determina la longitud necesaria para llegar desde la entrada del aparato hasta el suministro de gas. Agregar largo suficiente para permitir el acceso detrás del electrodoméstico.

**Los códigos locales pueden limitar la longitud máxima, verifica todos los códigos locales y aplicables antes de la instalación.*

Verifica el Electrodoméstico

Busca la etiqueta de fabricación de tu electrodoméstico para determinar la clasificación de entrada de gas. Selecciona la longitud correcta y la clasificación de Btu/h que sea mayor que la de tu electrodoméstico. (Vea el cuadro a continuación)

Correspondencia

Asegúrate de que los conectores incluidos correspondan con el suministro de gas y la entrada del aparato.

Ten CUIDADO

¡Lee y comprende las instrucciones de instalación! No seguir las instrucciones puede resultar en fallas del producto, daños a la propiedad y/o lesiones personales.

OD (in)	ID (in)	Straight Length Capacity in BTU/HR							
		12"	18"	24"	30"	36"	48"	60"	72"
3/8"	1/4"	48,000	43,800	40,000	36,400	33,400	28,300	24,900	23,100
1/2"	3/8"	102,000	93,100	85,000	77,100	71,100	60,500	53,200	49,100
5/8"	1/2"	180,000	164,200	150,000	136,000	125,000	106,000	93,200	86,000
1"	3/4"			290,900	270,500	255,900	215,000	197,400	173,900

This connector meets or exceeds the minimum allowable capacity as determined under test condition specified in ANSI Z21.24/CSA6.10. These connectors with the highlighted capacities above are not suitable for radiant tube heaters in the US. Select a connector on the chart above that has a larger flow capacity than the gas rating of your appliance.

Este conector cumple o excede la capacidad mínima permitida según se determina en la condición de prueba especificada en ANSI Z21.24/CSA6.10. Estos conectores con las capacidades resaltadas anteriormente no son adecuados para calentadores de tubo radiante en los EE. UU. Selecciona un conector en la tabla anterior que tenga una capacidad de flujo mayor que la clasificación de gas de tu electrodoméstico.

INSTALLATION INSTRUCTIONS

1. Clean all pipe threads with a soft bristle brush and rag to ensure connections are free of any debris such as metal shaving, rust, dirt, oil, or water.
2. Apply pipe thread sealant to the male pipe threads of connection. DO NOT apply grease, oil, sealant, or tape to flare ends of fitting or shut-off valve. Sealant and tape will prevent this connection from sealing properly.



- **WARNING:** Turn off gas supply before disconnection old appliance. In absence of manual shut-off valve near appliance location, gas MUST be shut off on the main valve, near the meter.



- **WARNING: DO NOT USE** matches, candles, open flames or other sources of ignition during product installation. A spark or flame may ignite gas vapors causing property damage and/or personal injury including death. Extinguish all pilot lights within 50ft. before proceeding with appliance installation.

3. Thread steel fitting to manual shut-off valve and other steel fitting onto appliance regulator. Thread flare nuts of gas connector onto shut-off valve and steel fitting. Wrench tighten all connections. **DO NOT** use a pipe wrench on the connector flare nut. If necessary, thread new manual shut-off valve onto gas supply pipe that is wrench tighten. Use a wrench only on the hex surfaces or the fittings.



- **CAUTION: DO NOT** stretch the connector to make it fit. Connector must be long enough to allow the appliance to be positioned at its farthest anticipated connected distance from the gas supply without stretching, twisting, or bending that is smaller than a 1-1/2 internal diameter (i.e. approximately the diameter of a golf ball).
- **CAUTION: DO NOT** trap connector against sharp edges or corners.
- **CAUTION: DO NOT** kink, or bend connector sharply on right angles.

4. Turn manual shut-off valve on to allow gas to enter the system after installation.



- **WARNING:** DO NOT TURN ON APPLIANCE until all connections have been leak tested properly.
- **WARNING:** DO NOT USE lighters, matches, candles, open flames or other sources of ignition to leak test connections!

5. Test all connections with non-corrosive gas leak test solution; bubbles with indicate a leak. If a leak is detected, turn off gas supply before further tightening connections. Water rinse and towel dry connection once test is complete.



TEST

Wait at least 10 minutes or more to be certain that all vapors have dissipated. If the leak test confirms connections do not leak gas and you do not smell any gas. THEN light pilot(s) and turn on appliance again. If you smell gas, turn off the gas at main shut-off valve and call a licensed plumber to check for leaks and fix any other problems.

- **CAUTION:** Rinse gas connector with water and towel dry after leak testing connections. Soap and test solutions may cause an uncoated connector to corrode.
- **CAUTION:** Wait at least 10 minutes to light pilot(s) once you have leak tested all connections and have found no leaks, to be certain that all vapors have dissipated.
- **DANGER:** Fuel gases are colorless, tasteless and in its pure state, odorless. They are odorized (rotten egg smell) so that their presence can be detected. LP gases are heavier than air and dissipate slower than natural or manufactured gases. LP gas, if released in quantity, will accumulate in low-lying areas such as a basement or crawl space.
- The above testing should be performed in accordance with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, Section 8.2, Piping system, appliance and equipment leakage test, and Section 8.3, Purging.

WARNING – The open end of the piping systems being tested shall not discharge into confined areas where there are ignition sources.

Design Certifications and Approvals

ANSI Z 21.24/CSA 6.10 Connectors for Gas Appliances
ANSI Z 21.75/CSA 6.27 Connectors for Outdoor Appliances and Manufactured Homes
ANSI Z 21.60/CSA 6.16 Movable Gas Appliances
Commonwealth of Massachusetts Board of State Examiners (except 48", 60", 72")
City of New York-MEA #376-92-M

