



# GAS CONNECTOR

APPLIANCE CONNECTORS WITH FITTINGS

**WARNING:**

ANY HOLE, CRACK, OR OTHER DAMAGE TO CONNECTORS OR ITS IMPROPER INSTALLATION COULD LEAD TO A POTENTIALLY EXPLOSIVE RELEASE OF GAS!

INSTALLATION & USER INSTRUCTIONS

DESIGN CERTIFIED FOR INDOOR AND OUTDOOR USE

MODEL NO. C-GC, C-GCY, AND C-GCB SERIES (1", 5/8", 1/2", 3/8" O.D.)

DESIGN COMPLIES WITH THE FOLLOWING STANDARDS:

**ANSI Z21.24 CSA/CGA 6.10 standard**

Connectors for Gas Appliances

**ANSI Z21.75 CSA/CGA 6.27 standard**

Connectors for Outdoor Gas Appliances & Manufactured Homes

Connectors are for ease of installation and proper alignment of fixed on piping system appliances using natural or liquefied petroleum (LP) gases at pressures not to exceed 1/2 psi(3.5kPa). Improper use must be avoided.

**WARNING: AVOID HAVING THE FOLLOWING MATERIALS IN CONTACT WITH THE CONNECTOR: ACIDS, SOLVENTS, CAUSTIC CHEMICALS (ex: AMMONIA, ACIDS), CLEANING SOLUTIONS (DISH SOAP, CLEANSER, BLEACH) SOLDER FLUX AND OTHER CHEMICALS USED TO ETCH METALS, HOUSEHOLD CHEMICALS (FUNGICIDES, INSECTICIDES), CHLORINATED CHEMICALS AND ANY LIQUID WITH CHLORIDE SUCH AS LAUNDRY BLEACH OR DISH DETERGENT.**

Leak check final assembly. Use non-corrosive gas leak test solution, where the seeping bubbles will indicate a leak. Do not use dish washing detergent.

**CAUTION:** Matches, candles, open flame or other sources of ignition should not be used for leak checking. Rinse all connections with water and dry, because leak test solution may cause corrosion. Connectors are designed for occasional movement after installation. Repeated bending, flexing, torsion or vibration must be avoided. Normal operation of a clothes dryer, tube heaters or similar gas appliance does not constitute extreme vibration or movement. Gas connectors contact with foreign objects, such as electrical wiring, copper or iron pipe, paneling, wall studs and sheet metals must be avoided.

**DO NOT REUSE:** The connectors and fittings are designed for use only on the original installation and not to be reused for another gas appliance or at another location. The gas outlet shall be in the same room as the appliance and the connector must not be concealed within or run through any wall, door or partition. The gas connector shall be of adequate length to reach from the gas supply line to the appliance without stretching. Flare seats must be kept clean and free of sealing compounds, grease and oil.

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**CAUTION:** CONNECTOR NUTS MUST NOT BE CONNECTED DIRECTLY TO PIPE THREADS. THIS CONNECTOR MUST BE INSTALLED WITH ADAPTER PROVIDED. The connector shall not be used if kinked, twisted or bent smaller than 1 1/2 inch internal diameter (i.e., approximately the diameter of a golf ball.) A readily accessible manual gas shutoff valve must be installed within 6 feet upstream of all appliances. Gas connector installation for a fixed appliance for indoor or outdoor installation must be in accordance with the National Fuel Code, ANSI Z233.1/NFPA54 and/or CAN/CGA B149-latest edition, Installation Codes.

**FOR YOUR SAFETY:** If you smell gas, turn off the gas supply to the appliance and have a qualified/competent individual correct the source of leak. Gas connector use is intended for the gas connections between the gas supply and the gas inlet of a fixed

appliance for indoor installation. The connector is not to be used for connection to an LP-gas cylinder mounted on or adjacent to a park trailer or manufactured (mobile) home or a residence. Gas connector is not to be installed underground or used in contact with the ground, the connector must not be concealed within or run through any wall, floor or partition. An appliance connector valve must be installed between the gas supply pipe and the gas connector. A new connector must be installed if indoor or outdoor appliance is replaced. Gas connector must be replaced if it is exposed to fire or its coating is damaged. Do not use this connector with infrared (radiant tube) heaters, infrared heaters expand and contract (cycle) during use which may cause connector to fail. The final assembly must be tested for leaks.

**CAUTION:** Test for leaks only with leak test solution. Rinse with clean water after leak testing.

**DO NOT USE OPEN FLAME TO TEST FOR GAS LEAKS.**

Gas connector may be used to connect appliances inside park trailers (ANSI A119.5) and inside manufactured homes (ANSI 223.1) having a total appliance rating or section rating not in excess of the following:

GAS BTU RATING	Straight Length Capacity-Btu Per Hr using: 0.64 Sp 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"
<b>1" OD (3/4" ID)</b>			290,000	270,500	255,900	215,000	197,400	173,900
<b>5/8" OD (1/2" ID)</b>	180,000	164,200	150,000	136,000	125,000	106,000	93,200	86,000
<b>1/2" OD (3/8" ID)</b>	102,000	93,100	85,000	77,100	71,100	60,500	53,200	49,100
<b>3/8" OD (1/4" ID)</b>	48,000	43,600	40,000	36,400	33,400	28,300	24,900	23,100



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