

Product Submittal

Polymer Coated Gas Appliance Connectors

Description:

The CFI polymer coated stainless steel connectors are for use indoor and outdoor connections of gas appliances to natural, manufactured, mixed and liquefied petroleum (Low-Pressure or propane) gases and Low-Pressure gas-air mixtures.

Feature:

- ✓ Polymer coated tube provides corrosion, UV and salt resistance to harsh chemicals for indoor and outdoor applications
- ✓ Corrugated Tube design to withstand large bend and torque
- ✓ Uniform coated on stainless steel tube to complete the entire length for corrosion resistance.
- ✓ Flare connection end is manufactured with smooth and burrless thread to seal seamlessly and with less torque
- ✓ 304 Stainless Steel corrugated tube body
- ✓ 100% leak tested



Specifications:

ANSI Z21.24 / CSA 6.10

ANSI Z21.75 / CSA 6.27

Working rate:

Temperature: -40°F to 150°F

Pressure: 1/2 PSI maximum

Material Specifications:

Tube: 304 Stainless Steel

Nuts: Carbon Steel

Coating: Polymer blend

Adapters: Carbon Steel



For connector minimum flow capacity charts, please see the following page below

Gas Appliance Connectors

connector minimum flow capacity charts

Natural Gas British Thermo Unit Chart:

Connector with Fitting or Ball Valve

Nom O.D.	Nom I.D.	Natural Gas Straight Length Capacity (BTU per hour)							
		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	136,000	106,000	93,200	86,000
1"	3/4"	290,900	290,900	290,900	270,500	270,500	215,000	197,400	173,900
0.64 Sp Gr, 1000 BTU per Cubic Feet (37.2 MJ/m ³) gas at 0.5-inch water column (124Pa) pressure drop. Per ANSI Z21.24 / CSA 6.10 and ANSI Z21.75 / CSA 6.27 for use with pressure not to exceed 1/2 PSI									

Note: Connectors should be sized based on the appliance gas consumption rate. Select a connector with a capacity equal to or greater than appliance input rate.

Low Pressure Gas (Propane) British Thermo Unit Chart:

Connector with Fitting or Ball Valve

Nom O.D.	Nom I.D.	Low-Pressure Gas Straight Length Capacity (BTU per hour)							
		12"	18"	24"	30"	36"	48"	60"	72"
3/8"	1/4"	76,800	70,080	64,000	58,240	53,440	45,280	39,840	36,960
1/2"	3/8"	163,200	148,960	136,000	123,360	113,760	96,800	85,120	78,560
5/8"	1/2"	288,000	262,720	240,000	217,600	200,000	169,600	149,120	137,600
1"	3/4"	465,440	465,440	465,440	432,800	409,440	344,000	315,840	278,240
0.64 Sp Gr, 1000 BTU per Cubic Feet (37.2 MJ/m ³) gas at 0.5-inch water column (124Pa) pressure drop. Per ANSI Z21.24 / CSA 6.10 and ANSI Z21.75 / CSA 6.27 for use with pressure not to exceed 1/2 PSI									

Note: Connectors should be sized based on the appliance gas consumption rate. Select a connector with a capacity equal to or greater than appliance input rate.

The flow capacities in the charts are the minimum performance criterion established in **ANSI Z21.24 / CSA 6.10 and ANSI Z21.75 / CSA6.27** certifications.

* The flow capacity is regardless of the adapter or valve assembly, exceed these minimum flow requirements.