



BTU Requirements

1. Check the appliance for the BTU flow capacity required.
2. Refer to the chart below to select the connector needed.
3. Choose the diameter and length equal to or greater than the BTU requirements of the appliance.

Natural Gas BTU Chart

Connector Minimum Flow Capacity – For Natural Gas (per ANSI Z21.24/CSA 6.10 & ANSI Z21.75/CSA 6.27) Straight Length Capacity – BTU per Hr 0.64 SG., 1000 BTU per Cu. Ft. at 0.5 inch Water Column (124 Pa) Pressure Drop			
Length	10C Series OD 3/8", ID 1/4"	20C Series OD 1/2", ID 3/8"	30C Series OD 5/8", ID 1/2"
12"	48,000	102,000	180,000
18"	43,800	93,100	164,200
24"	40,000	85,000	150,000
30"	36,400	77,100	136,000
36"	33,400	71,100	125,000
48"	28,300	60,500	106,000
60"	24,900	53,200	93,200
72"	23,100	49,100	86,000

Propane BTU Chart

Connector Minimum Flow Capacity – For Propane Gas Straight Length Capacity – BTU per Hr 1.55 SG., 2500 BTU per Cu. Ft. at 0.5 inch Water Column (124 Pa) Pressure Drop			
Length	10C Series OD 3/8", ID 1/4"	20C Series OD 1/2", ID 3/8"	30C Series OD 5/8", ID 1/2"
12"	76,800	163,200	288,000
18"	70,080	148,960	262,720
24"	64,000	136,000	240,000
30"	58,240	123,360	217,600
36"	53,440	113,760	200,000
48"	45,280	96,800	169,600
60"	39,840	85,120	149,120
72"	36,960	78,560	137,600

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SAFETY SHIELD®



Coated Stainless Steel Gas Connectors

The quality and security you expect from Dormont



Dormont SAFETY SHIELD®

The Quality and Security You Expect

For over 30 years, Dormont has been the leading manufacturer of the highest quality, safe and most durable coated stainless steel gas connectors on the market today.

With over 80 million safe installations, Dormont gas connectors provide the quality and security you expect for your customers.


The Safety Shield gas connectors come in a variety of lengths and diameters for the installer to choose from (see chart on back). Our connectors are compatible with all major brands of gas appliances to ensure that they work to their maximum efficiency.

Safety Shield Yellow Coating

- Provides easy gas line identification
- Enhances protection from exposure to harsh chemicals that may be found in household products such as: chlorine, ammonia, bleach and muriatic acid.

High Quality Manufacturing

Safety Shield gas connectors are produced using proprietary automated manufacturing processes and are 100% leak tested.

- CSA design certified* 
ANSI Z21.24/CSA 6.10 - Connectors for gas appliances
ANSI Z21.75/CSA 6.27 - Connectors for outdoor appliances and manufactured homes
- No-neck™ design provides increased flexibility
- Durable, 304 stainless steel construction

High Performance Coating

- Consistent coverage provides protection along the entire length of the connector.
- **No over-spray on the inside of the tube**, which could introduce debris into the gas system and equipment.

* Nut by nut configurations are not CSA certified

Features and Specifications

- Approved for indoor and outdoor use.
- Temperature rating of connector with adapters: -40°F to 150°F (-40°C to 65.5°C).
- 100% factory leak tested.
- Follow all manufacturers' warnings and instructions.
- Follow local and state codes and The National Fuel Gas Code ANSI Z223.1/NFPA54 (or CAN/CSA B149.1 in Canada).
- When installing a new appliance or when an existing appliance is moved to a new location **a NEW gas connector must be used** per manufacturer's installation instructions and per product standards ANSI Z21.24/CSA 6.10 and ANSI Z21.75/CSA 6.27.



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