

# PRODUCT TECHNICAL SPECIFICATIONS

## SPECIFICATIONS

Tubing: Stainless Steel 304 (ASTM A240)  
 Fitting: Zinc-plated Steel S45C  
 Coating: Epoxy  
 Rated Pressure: CSA Certified up to 0.5 psi  
 Rated Operating Temperature: -40°F to 150°F  
 100% Leak Tested

## TYPES

Stainless Steel (uncoated)  
 Yellow Epoxy Coated Stainless Steel  
 Black Epoxy Coated Stainless Steel

## SIZES

3/8" OD (1/4" ID)  
 1/2" OD (3/8" ID)  
 5/8" OD (1/2" ID)  
 1" OD (3/4" ID)

## LENGTHS

12" 18" 24" 30" 36" 48" 60" 72"

## APPLICATIONS

Dryer  
 Boiler  
 Fireplace  
 Space Heater  
 Manufactured Home  
 Tankless Water Heater  
 Rooftop Unit  
 Range/Oven  
 BBQ Grill  
 Furnace

## CERTIFICATIONS & APPROVALS

ANSI Z21.24 / CSA 6.10  
 Gas Appliances

ANSI Z21.69 / CSA 6.16  
 Movable Gas Appliances

ANSI Z21.75 / CSA 6.27  
 Outdoor Gas Appliances & Manufactured Homes

Commonwealth of Massachusetts

City of New York (MEA # 170-08-E)

IAPMO/UPC Certified  
 ASME A 112.18.6 / CSA B125.6

## TESTING

Strength Test  
 Withstands an internal hydrostatic pressure of 250 psi (17 MPa) without bursting or evidence of leakage.

Bending Test  
 Withstands 30 bends without leakage in depth of not more than 2 inches of water.

Corrosion Test  
 Withstands 15 applications of 90 degrees twists.

Durability at High Temperature  
 Withstands a temperature of 800°F

Strength of Fittings  
 Does not leak within a tighten torque of 1,040 inch-pounds.



## CONNECTOR MINIMUM FLOW CAPACITY - FOR NATURAL GAS

Straight Length Capacity (BTU/Hr., 0.64 SpGr., 1,000 BTU per cubic ft. at 0.5" W.C. pressure drop)									
Series	Nominal ID" (OD")	12"	18"	24"	30"	36"	48"	60"	72"
14	1/4" (3/8")	48,000	43,800	40,000	36,400	33,400	28,300	24,900	23,100
38	3/8" (1/2")	102,000	93,100	85,000	77,100	71,100	60,500	53,200	49,100
12	1/2" (5/8")	180,000	164,200	150,000	136,000	125,000	106,000	93,200	86,000
34	3/4" (1")	290,900	290,900	290,900	270,500	255,900	215,900	197,400	173,900

The above flow capacities are the minimum performance requirement per ANSI Z21.24 / CSA & 6.10 and ANSI Z 21.75 / CSA 6.27  
 FLEXTRON Gas Connectors exceed these minimum flow capacities requirements.