

IFGC/IFGS CHAPTER 8

REFERENCED STANDARDS

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.8.

ANSI

American National Standards Institute
25 West 43rd Street
Fourth Floor
New York, NY 10036

Standard reference number	Title	Referenced in code section number
ANSI A13.1—2007	Scheme for the Identification of Piping Systems	704.1.2.2
ANSI FC 1—2012	Stationary Fuel Cell Power Systems . . . . .	.633.1
LC 1/CSA 6.26—13	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	403.5.4
ANSI LC-4/CSA 6.32—12	Press-connect Metallic Fittings for Use In Fuel Gas Distribution Systems	403.10.2
Z21.1—2010	Household Cooking Gas Appliances . . . . .	.623.1
Z21.5.1/CSA 7.1—2014	Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers . . . . .	.613.1
Z21.5.2/CSA 7.2—2014	Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers	613.1, 614.3
Z21.8—94 (R2002)	Installation of Domestic Gas Conversion Burners . . . . .	.619.1
Z21.10.1/CSA 4.1—2012	Gas Water Heaters—Volume I—Storage, Water Heaters with Input Ratings of 75,000 Btu per Hour or Less . . . . .	.624.1
Z21.10.3/CSA 4.3—2011	Gas Water Heaters—Volume III—Storage, Water Heaters with Input Ratings Above 75,000 Btu per hour, Circulating and Instantaneous . . . . .	.624.1
Z21.11.2—2011	Gas-fired Room Heaters-Volume II-Unvented Room Heaters . . . . .	.621.1
Z21.13/CSA 4.9—2011	Gas-fired Low-pressure Steam and Hot Water Boilers . . . . .	.631.1
Z21.15/CGA 9.1—09	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves	Table 409.1.1
Z21.19/CSA 1.4—02(R2007)	Refrigerators Using Gas (R1999) Fuel . . . . .	.625.1
Z21.24/CGA 6.10—06	Connectors for Gas Appliances	411.1, 411.3
Z21.40.1/CGA 2.91—96 (R2011)	Gas-Fired Heat Activated Air Conditioning and Heat Pump Appliances . . . . .	.627.1
Z21.40.2/CGA 2.92—96 (R2011)	Gas-Fired Work Activated Air Conditioning and Heat Pump Appliances (Internal Combustion) . . . . .	.627.1
Z21.42—2014	Gas-Fired Illuminating Appliances . . . . .	.628.1
Z21.47/CSA 2.3—2012	Gas-Fired Central Furnaces . . . . .	.618.1
Z21.50/CSA 2.22—2012	Vented Gas Fireplaces . . . . .	.604.1
Z21.54—09	Gas Hose Connectors for Portable Outdoor Gas Fired Appliances . . . . .	.411.1
Z21.56/CSA 4.7—2013	Gas-Fired Pool Heaters . . . . .	.617.1
Z21.58/CSA 1.6—2013	Outdoor Cooking Gas Appliances . . . . .	.623.1
Z21.60/CSA 2.26—2012	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces . . . . .	.602.1
Z21.61—83 (R2004)	Gas-fired Toilets . . . . .	.626.1
Z21.69/CSA 6.16—09	Connectors for Movable Gas Appliances	411.1.1, 411.1.4
Z21.75/CSA 6.27—07	Connectors for Outdoor Gas Appliances and Manufactured Homes	411.1, 411.2
Z21.80/CSA 6.22—11	Line Pressure Regulators . . . . .	.410.1
Z21.84—2012	Manually-lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces	602.1, 602.2
Z21.86/CSA 2.32—08	Vented Gas-fired Space Heating Appliances . . . . .	.608.1, 609.1, 622.1
Z21.88/CSA 2.33—2015	Vented Gas Fireplace Heaters . . . . .	.605.1
Z21.91—07	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters	621.7.1
Z21.97—2012	Outdoor Decorative Appliances . . . . .	.636.1
Z83.4/CSA 3.7—2012	Nonrecirculating Direct-gas-fired Industrial Air Heaters . . . . .	.611.1
Z83.8/CSA 2.6—09	Gas Unit Heater, Gas Packaged Heater, Gas Utility Heaters and Gas-fired Duct Furnaces	610.1, 620.1
Z83.11/CSA 1.8—2013	Gas Food Service Equipment . . . . .	.623.1
Z83.18—2012	Recirculating Direct Gas-fired Industrial Air Heaters . . . . .	.612.1
Z83.19—01(R2009)	Gas-fired High-intensity Infrared Heaters . . . . .	.630.1
Z83.20—08	Gas-fired Low-intensity Infrared Heaters . . . . .	.630.1

REFERENCED STANDARDS

ASME

American Society of Mechanical Engineers
 Three Park Avenue
 New York, NY 10016-5990

Standard reference number	Title	Referenced in code section number
B1.20.1—83 (Reaffirmed 2006)	Pipe Threads, General Purpose (inch)	403.9
B16.1—2010	Cast-iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250.	403.12.1
B16.5—R2009	Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24 Metric/Inch Standard	403.12.2
B16.24—2011	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Classes 150, 300, 600, 900, 1500 and 2500	403.12.3
B16.42—2011	Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300.	403.12.4
B16.47—2011	Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard.	403.12.2
B16.33—2012	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	Table 409.1.1
B16.44—2002 (Reaffirmed 2007)	Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi	Table 409.1.1
B31.3—2012	Process Piping	704.1.2.4
B31.12—2008	Hydrogen Piping and Pipelines.	704.1.2, 704.1.2.4, 705.2, 705.3
B36.10M—2004	Welded and Seamless Wrought-steel Pipe	403.4.2
BPVC—2010/2011 addenda	ASME Boiler & Pressure Vessel Code (2007 Edition)	631.1, 703.2.2, 703.3.3, 703.3.4
CSD-1—2011	Controls and Safety Devices for Automatically Fired Boilers	631.1

ASTM

ASTM International
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

Standard reference number	Title	Referenced in code section number
A 53/A 53M—12	Specification for Pipe, Steel, Black and Hot Dipped Zinc-coated Welded and Seamless	403.4.2
A 106/A 106M—11	Specification for Seamless Carbon Steel Pipe for High-temperature Service	403.4.2
A 254—97 (2007)	Specification for Copper Brazed Steel Tubing	403.5.1
B 88—09	Specification for Seamless Copper Water Tube	403.5.2
B 210—12	Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes.	403.5.3
B 241/B 241M—12E1	Specification for Aluminum and Aluminum-alloy, Seamless Pipe and Seamless Extruded Tube	403.4.4, 403.5.3
B280—08	Standard Specification for Seamless Copper Tube for Air-Conditioning and Refrigeration Field Service	403.5.2
C 315—07(2011)	Specification for Clay Flue Liners and Chimney Pots	501.12
D 2513—2013E1	Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings	403.6, 403.6.1, 403.11, 404.17.2
E136—2012	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	202
F 1973—08	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems	404.17.2

CGA

Compressed Gas Association
 14501 George Carter Way, Suite 103
 Chantilly, VA 20151-2923

Standard reference number	Title	Referenced in code section number
S-1.1—(2011)	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases	703.3
S-1.2—(2005)	Pressure Relief Device Standards—Part 2—Cargo and Portable Tanks for Compressed Gases	703.3
S-1.3—(2008)	Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases.	703.3

CSA

CSA America Inc.
8501 E. Pleasant Valley Rd.
Cleveland, OH USA 44131-5575

Standard reference number	Title	Referenced in code section number
ANSI CSA America FC1—2012	Stationary Fuel Cell Power Systems . . . . .	.633.1
CSA 8—93	Requirements for Gas-fired Log Lighters for Wood Burning Fireplaces—with Revisions through January 1999	603.1

DOTn

Department of Transportation
400 Seventh St. SW.
Washington, DC 20590

Standard reference number	Title	Referenced in code section number
49 CFR, Parts 192.281(e) & 192.283 (b)—(2009)	Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards.	403.6.1
49 CFR Parts 100—180	Hazardous Materials Regulations	703.2.2, 703.3.3, 703.3.4

ICC

International Code Council, Inc.
500 New Jersey Ave, NW
6th Floor
Washington, DC 20001

Standard reference number	Title	Referenced in code section number
IBC—15	International Building Code®	102.2.1, 201.3, 301.10, 301.11, 301.12, 301.14, 302.1, 302.2, 305.6, 306.5.1, 06.6, 401.1.1, 412.6, 413.3, 413.3.1, 501.1, 501.3, 501.12, 501.15.4, 501.15.4.1, 609.3, 614.10, 633.1, 635.1, 706.2
IECC—15	International Energy Conservation Code®	301.2
IFC—15	International Fire Code®	201.3, 401.2, 412.1, 412.6, 412.7, 412.7.3, 412.8, 413.1, 413.3, 413.3.1, 413.5, 413.9.2.5, 633.1, 701.1, 701.2, 703.2, 703.2.2, 703.3.8, 703.4, 703.5, 704.1.2, 704.3, 704.4, 706.2, 706.3, 707.1, 707.2, 708.1
IMC—15	International Mechanical Code®	101.2.5, 201.3, 301.1.1, 301.13, 304.11, 307.1, 307.5, 501.1, 614.2, 614.10, 618.4, 621.1, 624.1, 631.2, 632.1, 703.1.2
IPC—15	International Plumbing Code®	201.3, 301.6, 307.3, 624.1.1, 624.2
IRC—15	International Residential Code®	101.2, 703.2.1

MSS

Manufacturers Standardization Society of
the Valve and Fittings Industry
127 Park Street, Northeast
Vienna, VA 22180

Standard reference number	Title	Referenced in code section number
SP 58—2009	Pipe Hangers and Supports-Materials, Design and Manufacture . . . . .	.407.2

REFERENCED STANDARDS

NFPA

National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
30A—15	Code for Motor Fuel Dispensing Facilities and Repair Garages	305.4, 305.10
37—14	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	616.1
51—13	Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes	414.1
58—14	Liquefied Petroleum Gas Code	401.2, 402.6, 403.6.2, 403.11
70—14	National Electrical Code	306.3.1, 306.4.1, 306.5.2, 309.2, 310.1.1.2, 413.9.2.4, 703.6
82—14	Incinerators, Waste and Linen Handling Systems and Equipment	503.2.5, T503.4, 607.1
85—15	Boiler and Combustion Systems Hazards Code	631.1
88A—15	Parking Structures	305.9
211—13	Standard for the Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	503.5.2, 503.5.3, 503.5.6.1, 503.5.6.3
409—11	Standard for the Aircraft Hangars	305.11
853—15	Installation of Stationary Fuel Cell Power Systems	633.1

UL

UL LLC
 333 Pfingsten Road
 Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
103—2010	Factory-built Chimneys, Residential Type and Building Heating Appliances—with Revisions through July 2012	506.1
127—2011	Factory-built Fireplaces	621.7
441—2010	Gas Vents	502.1
641—2010	Type L Low-temperature Venting Systems—with Revisions through May 2013	502.1
651—2011	Schedule 40 and 80 Rigid PVC Conduit and Fittings—with Revisions through March 2012	403.6.3
795—2011	Commercial-industrial Gas Heating Equipment—with Revisions through September 2012	610.1, 618.1, 631.1
959—2010	Medium Heat Appliance Factory-built Chimneys	506.3
1618—09	Wall Protectors, Floor Protectors and Hearth Extensions—with Revisions through May 2013	308.2
1738—2010	Venting Systems for Gas Burning Appliances, Categories II, III and IV—with Revisions through May 2011	502.1
1777—2007	Chimney Liners—with Revisions through July 2009	501.12, 501.15.4
2200—2012	Stationary Engine Generator Assemblies—with Revisions through June 2013	616.1