

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.

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

ANSI

Standard reference number	Title	Referenced in code section number
ANSI A13.1-96	Scheme for the Identification of Piping Systems	704.1.2.2
ANSI CSA-America FC 1-03	Stationery Fuel Cell Power Systems . . . . .	.633.1
LC 1—97	Interior Gas Piping Systems Using Corrugated Stainless Steel Tubing—with Addenda LC1a-1999 and LC1b-2001	403.5.4
ANSI LC-4—07	Press-connect Copper and Copper Alloy Fittings for Use In Fuel Gas Distribution Systems	403.10.2
Z21.1—03	Household Cooking Gas Appliances—with Addenda Z21.1a-2003 and Z21.1b-2003 . . . . .	.623.1
Z21.5.1—02	Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers—with Addenda Z21.5.1a-2003 . . . . .	.613.1
Z21.5.2—01	Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers—with Addenda Z21.5.2a-2003 and Z21.5.2b-2003 . . . . .	.613.1, 614.3
Z21.8—94 (R2002)	Installation of Domestic Gas Conversion Burners . . . . .	.619.1
Z21.10.1—04	Gas Water Heaters—Volume I—Storage, Water Heaters with Input Ratings of 75,000 Btu per Hour or Less . . . . .	.624.1
Z21.10.3—01	Gas Water Heaters—Volume III—Storage, Water Heaters with Input Ratings Above 75,000 Btu per hour, Circulating and Instantaneous—with Addenda Z21.10.3a-2003 and Z21.10.3b-2004 . . . . .	.624.1
Z21.11.2—02	Gas-fired Room Heaters—Volume II—Unvented Room Heaters—with Addenda Z21.11.2a-2003 . . . . .	.621.1
Z21.13—04	Gas-fired Low-pressure Steam and Hot Water Boilers . . . . .	.631.1
Z21.15—97 (R2003)	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves—with Addenda Z21.15a-2001(R2003) . . . . .	.409.1.1
Z21.19—02	Refrigerators Using Gas (R1999) Fuel . . . . .	.625.1
Z21.24—97	Connectors for Gas Appliances . . . . .	.411.1
Z21.40.1—96 (R2002)	Gas-fired Heat Activated Air Conditioning and Heat Pump Appliances—with Addendum Z21.40.1a-1997 (R2002) . . . . .	.627.1
Z21.40.2—96 (R2002)	Gas-fired Work Activated Air Conditioning and Heat Pump Appliances (Internal Combustion)—with Addendum Z21.40.2a-1997 (R2002) . . . . .	.627.1
Z21.42—93 (R2002)	Gas-fired Illuminating Appliances . . . . .	.628.1
Z21.47—03	Gas-fired Central Furnaces . . . . .	.618.1
Z21.50—03	Vented Gas Fireplaces—with Addenda Z21.50a-2003 . . . . .	.604.1
Z21.56—01	Gas-fired Pool Heaters—with Addenda Z21.56a-2004 and Z21.56b-2004 . . . . .	.617.1
Z21.58—95 (R2002)	Outdoor Cooking Gas Appliances—with Addendum Z21.58a-1998 (R2002) and Z21.58b-2002 . . . . .	.623.1
Z21.60—03	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces—with Addenda Z21.60a-2003 . . . . .	.602.1
Z21.61—83 (R1996)	Toilets, Gas-fired . . . . .	.626.1
Z21.69—02	Connectors for Movable Gas Appliances—with Addenda Z21.69a-2003 . . . . .	.411.1.1
Z21.75/CSA 6.27—01	Connectors for Outdoor Gas Appliances and Manufactured Homes . . . . .	.411.1, 411.2
Z21.80—03	Line Pressure Regulators . . . . .	.410.1
Z21.84—02	Manually-lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces—with Addenda Z21.84a-2003 . . . . .	.602.1, 602.2
Z21.86—04	Gas-fired Vented Space Heating Appliances . . . . .	.608.1, 609.1, 622.1
Z21.88—02	Vented Gas Fireplace Heaters—with Addenda Z21.88a-2003 and Z21.88b-2004 . . . . .	.605.1
Z21.91—01	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters . . . . .	.621.7.1
Z83.4—03	Nonrecirculating Direct-gas-fired Industrial Air Heaters . . . . .	.611.1
Z83.6—90 (R1998)	Gas-fired Infrared Heaters . . . . .	.630.1
Z83.8—02	Gas Unit Heaters and Gas-fired Duct Furnaces . . . . .	.620.1
Z83.11—02	Gas Food Service Equipment—with Addenda Z83.11a-2004 . . . . .	.623.1
Z83.18—00	Recirculating Direct Gas-fired Industrial Air Heaters—with Addenda Z83.18a-2001 and Z83.18b-2003 . . . . .	.612.1

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—2005 (Reaffirmed 2004)	Cast-iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250.	403.12
B16.20—98	Metallic Gaskets for Pipe Flanges Ring-joint, Spiral-wound and Jacketed	403.12
B16.33—02	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	409.1.1
B16.44—2002	Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi.	409.1.1
B31.3—04	Process Piping	704.1.2, 704.1.2.4, 705.2, 705.3
B36.10M—2004	Welded and Seamless Wrought-steel Pipe.	403.4.2
BPVC—04	ASME Boiler & Pressure Vessel Code (2001 Edition).	631.1, 703.2.2, 703.3.3, 703.3.4
CSD-1—2004	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—06a	Specification for Pipe, Steel, Black and Hot Dipped Zinc-coated Welded and Seamless.	403.4.2
A 106/A 106M—06a	Specification for Seamless Carbon Steel Pipe for High-temperature Service.	403.4.2
A 254—97 (2002)	Specification for Copper Braze Steel Tubing.	403.5.1
B 88—03	Specification for Seamless Copper Water Tube.	403.5.2
B 210—02	Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes	403.5.3
B 241/B 241M—02	Specification for Aluminum and Aluminum-alloy, Seamless Pipe and Seamless Extruded Tube	403.4.4, 403.5.3
C 315—07	Specification for Clay Flue Liners and Chimney Pots	501.12
D 2513—07a	Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings	403.6, 403.6.1, 403.11, 404.15.2
F 1973—05	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) Fuel Gas Distribution Systems	404.15.2

CGA

Compressed Gas Association
 1725 Jefferson Davis Highway, 5th Floor
 Arlington, VA 22202-4102

Standard reference number	Title	Referenced in code section number
S-1.1—(2002)	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases	703.3
S-1.2—(1995)	Pressure Relief Device Standards—Part 2—Cargo and Portable Tanks for Compressed Gases	703.3
S-1.3—(1995)	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 FC1-03	Stationary Fuel Cell Power Systems	633.1
CSA Requirement 3-88	Manually Operated Gas Valves for Use in House Piping Systems	409.1.1
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)	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—09	International Building Code®	102.2.1, 201.3, 301.10, 301.11, 301.12, 301.14, 302.1, 302.2, 305.6, 306.6, 401.1.1, 412.6, 413.3, 413.3.1, 501.1, 501.3, 501.12, 501.15.4, 609.3, 614.2, 706.2, 706.3
IECC—09	International Energy Conservation Code®	301.2
IFC—09	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, 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—09	International Mechanical Code®	101.2.5, 201.3, 301.1.1, 301.13, 304.11, 501.1, 614.2, 618.5, 621.1, 624.1, 631.2, 632.1, 703.1.2
IPC—09	International Plumbing Code®	201.3, 301.6, 624.1.1, 624.2
IRC—09	International Residential Code®	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-6—01	Standard Finishes for Contact Faces of Pipe Flanges and Connecting-end Flanges of Valves and Fittings	403.12
SP-58—93	Pipe Hangers and Supports—Materials, Design and Manufacture.	407.2

NFPA

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

Standard reference number	Title	Referenced in code section number
30A—03	Code for Motor Fuel Dispensing Facilities and Repair Garages	305.4
37—06	Installation and Use of Stationary Combustion Engines and Gas Turbines	616.1
51—02	Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes	414.1
58—08	Liquefied Petroleum Gas Code	401.2, 402.6, 403.11
70—08	National Electrical Code	306.3.1, 306.4.1, 306.5.2, 309.2, 413.9.2.4, 703.6
82—04	Incinerators, Waste and Linen Handling Systems and Equipment	607.1
85—07	Boiler and Combustion Systems Hazards Code	631.1
88A—02	Parking Structures	305.9
211—06	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	503.5.2, 503.5.3, 503.5.6.1, 503.5.6.3
409—01	Aircraft Hangars	305.11
853—07	Installation of Stationary Fuel Cell Power Systems	633.1

REFERENCED STANDARDS



Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
103—2001	Factory-built Chimneys, Residential Type and Building Heating Appliances— with Revisions through June 2006 .....	.506.1
127—96	Factory-built Fireplaces—with Revisions through 2006 .....	.621.7
441—96	Gas Vents—with Revisions through August 2006 .....	.502.1
641—95	Type L Low-temperature Venting Systems—with Revisions through April 1999 .....	.502.1
651—05	Schedule 40 and 80 Rigid PVC Conduit and Fittings .....	.403.6.3
795—2006	Commercial-industrial Gas Heating Equipment .....	.610.1, 618.1, 631.1
959—01	Medium Heat Appliance Factory-built Chimneys—with Revisions through September 2006 .....	.506.3
1738—06	Venting Systems for Gas Burning Appliances, Categories II, III and IV .....	.502.1
1777—04	Standard for Chimney Liners .....	.501.12, 501.15.4
2200—04	Stationary Engine Generator Assemblies .....	.616.1