

**CHAPTER 17**  
**STANDARDS TABLE 17-1**  
**STANDARDS FOR EQUIPMENT AND MATERIALS**

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
ACCA Manual D-2002	Residential Duct Systems	Ducts	302.10, 304.1, 403.1, 503.1, 505.2, 601.1, 601.2, 602.4, 606.1, Table 6-2-P-1, 924.2
ACCA Manual J-2003	Residential Load Calculations	Ducts	113.2, 210.0, 403.1, 403.5.1, 601.2, Table 6-2-A, 1201.3.5.3,
ACCA Manual N Fifth Edition	Commercial Load Calculation	Ducts	113.2, 210.0, 403.1, 403.5.1, 601.2, Table 6-2-A, 1201.3.5.3
ACCA Manual Q	Low Pressure Low Velocity Duct Systems Design	Ducts	203.0, Table 4-1, 601.2, 605.0(E), 1002.0(7)
ANSI/SMACNA-006-2006	HVAC Duct Construction Standards Metal and Flexible 3rd Edition	Ducts, Metal and Flexible	506.2, 602.1, 602.4, 602.5, 602.6, 604.2, 604.5 and 605.0
ARI 700-2006*	Specification for Fluorocarbon Refrigerant	Refrigerants	1102.0
ASCE 25-2006	Earthquake Actuated Automatic Gas Shutoff Devices	Earthquake Valves, Shutoff Valves	Ch.13
ASHRAE 15-2007*	Safety Refrigeration Systems	Refrigeration Systems	Ch.11, 1102.0
ASHRAE 34-2007*	Designation and Safety Classification of Refrigerants	Refrigeration Classifications	1102.0, 1103.0, 1133.0 Table 11-1
ASHRAE 62.1-2007*	Ventilation for Acceptable Indoor Air Quality	Indoor Air Quality Ventilation	Ch.4
ASHRAE 129-1997* (RA 2002)	Measuring Air-Change Effectiveness	Used As An Alternate Sizing Value	Table 4-2
ASHRAE Climatic Conditions	ASHRAE Handbook – Fundamentals, Chapter 27 Table 1A & B, for the US 2001	Design	Ch.4, Ch.6
ASHRAE Handbook	Fundamentals, Climatic Conditions for the United States; Chapter 27, Table 1, and B, 2001	Climatic Conditions	Ch.4
ASHRAE Volume 1980	Panel Heating Systems	Design	1202.0, 1203.0
ASME A13.1-2007*	Scheme for the Identification of Piping Systems	Piping	1111.8, 1112.4, 1309.6.5, 1201.2.1.14, 1309.7.7
ASME A112.4.1-1993*	Water Heater Relief Valve Drain Tubes Valve	Drain tubes, Relief Valve Drains, Water Heater Drain	225.0, 802.2.2.5
ASME A112.18.6- 2003*	Flexible Water Connectors	Product, Connectors, Flexible Connectors, Water Connectors	Tables 3-4, 3-5 and 3-6, 919.2, 1312.1.7
ASME A112.20.1-2004*	Qualification of Installers of High Purity Piping Systems	Certification: High Purity Piping, Installers	Ch.14
ASME B1.20.1-1983 (R2006)*	Pipe Threads, General Purpose, Inch	Threads	1309.5.7(A), 1201.2.2.1
ASME B1.20.3-1976 (R2003)*	Dryseal Pipe Threads, Inch Joints	Threads	1309.5.8.4(6)

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
ASME B16.1-2005	Cast-Iron Pipe Flanges and Flanged Fittings, Classes 25, 125, 250	Cast Fittings, Cast Iron Fittings, Copper Alloy Fittings, Flanged Fittings, Pressure Fittings, Solder Fittings	1309.5.9
ASME B16.18-2001 (R2005)	Cast Copper Alloy Solder Joint Pressure Fittings	Cast Fittings, Copper Alloy Fittings, Pressure Fittings, Solder Fittings	1201.2.1.4
ASME B16.20-1998 (R2004)*	Metallic Gaskets for Pipe Flanges; Spiral-Wound, and Jacketed	Pipe Flanges	1309.5.9
ASME B16.22-2001 (R2005)*	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	Copper Alloy Fittings, Pressure Fittings, Solder Fittings, Wrought Fittings	1201.2.1.4.2
ASME B16.23-2002 (R2006)*	Cast Copper Alloy Solder Joint Drainage Fittings - DWV	Cast Fittings, Copper Alloy Fittings, Drainage Fittings, Solder Fittings	309.0
ASME B16.24-2006*	Cast Copper Alloy Pipe Flanged Fittings Classes 150, 300, 400, 600, 900, 1500, and 2500	Cast Fittings, Copper Alloy Fittings, Flanged Fittings	111.7, 1309.5.8.1, 1309.5.10
ASME B16.26-2006*	Cast Copper Alloy Fittings for Flared Copper Tubes	Cast Fittings, Copper Alloy, Flared tube Fittings	1201.2.1.4
ASME B16.29-2007*	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings	Copper Alloy Fittings, Drainage Fittings, Solder Fittings, Wrought Fittings	309.0
ASME B16.33-2002 (R2007)*	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psi (Sizes ½ NPS - NPS 24)	Gas Valve, Manual Valve	1312.9
ASME B16.50-2001*	Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings	Braze Joint Fittings, Copper Alloy Fittings, Copper Fittings, Pressure Fittings, Wrought Fittings	Ch.12
ASME B31.5-2006*	Refrigeration Piping	Refrigeration Piping, Piping	1110.2, 1110.3
ASME B36.10M-2004*	Welded and Seamless Wrought Steel Pipe	Seamless Pipe, Steel Pipe, Welded Pipe, Wrought Steel Pipe	1309.5.2.2
ASME Section IV	Rules for Construction of Heating Boilers	Boiler Construction, Heating Boilers	1001.0
ASME Section VIII	Rules for Construction of Pressure Vessels	Pressure Vessel Construction, Pressure Vessels	1335.6.2, 1001.0
ASTM A 53-2007*	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded, and Seamless	Black Steel Pipe, Seamless Steel Pipe, Steel Pipe, Welded Steel Pipe, Zinc Coated Steel Pipe	1309.5.2.2(2)
ASTM A 254-97 (R2002)	Copper-Brazed Steel Tubing	Steel Pipe	1331.1

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ASTM A 312-2007	Seamless, and Welded and Heavy Cold Worked of Austenitic Stainless Steel Pipes	Carbon Steel Fittings, Pipe Fittings, Pipe Nipples, Stainless Steel Fittings	Ch.12, Ch.14
ASTM A 653-2007	Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	Alloyed Coating, Bake Hardenable Steel, High Strength Low Alloy Minimized Spangle Coating, Sheet Steel, Spangle, Steel, Steel Sheet, Structural Steel	209.0, Appendix A
ASTM A 733-2003	Welded and Seamless Carbon Steel and Pipe Coatings, Pipe Nipples, Stainless Steel Fittings	Carbon Steel Fittings, Austenitic Stainless Steel Pipe Nipples	Ch.12, Ch.14
ASTM A 861-2004	High-Silicon Iron Pipe and Fittings	Corrosion Resistant, Fittings, High-Silicon Iron, Hubless, Hub/Plain-End, No-hub	Ch.12, Ch.14
ASTM B 32-2004	Solder Metal	Bar, Flux, Flux Cored Solder, Ingot, Lead-silver Alloys, Lead-tin Alloys, Lead-tin-silver Alloys, Powder, Ribbon	1201.2.3.7
ASTM B 42-2002 <sup>e1</sup>	Seamless Copper Pipe, Standard Sizes	Copper Pipe, Extra Strong, Regular, Standard Sizes	Ch.12, Ch.13
ASTM B 43-1998 (R2004)	Seamless Red Brass Pipe, Standard Sizes	Copper Alloy UNS No. C23000, Red Brass Pipe	1111.7
ASTM B 75-2002	Seamless Copper Tube	Seamless Copper Tube, Seamless Tube, Tube	Ch.12, Ch.13
ASTM B 88-2003	Seamless Copper Water Tube, (K, L, M)	Copper Tube, Seamless, UNS No. C10200, UNS No. C12000, UNS No. C12200, Water Tube	Ch.12, 1309.5.3.2, 1331.1
ASTM B 135-2002, ASTM B 135M-2000 (2006)	Seamless Brass Tube	Seamless Brass Tube	Ch.12, Ch.13
ASTM B 210-2004/B210M-2005	Aluminum and Aluminum-Alloy Drawn Seamless Tubes/Aluminum and Aluminum-Alloy Drawn Seamless Tubes Metric	Product	1309.5.3.3
ASTM B 241/241M-2002	Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube	Product	1309.5.2.4, 1309.5.3.3
ASTM B 280-2003	Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	Air Conditioning Tube, Copper Tube, Field Service Tube, Refrigeration Tube, Seamless Copper Tube	Ch.11, 1309.5.3.2, 1331.1

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ASTM B 302-2007	Threadless Copper Pipe (TP)	Brazed-Joint Pipe Fittings, Copper Pipe, Threadless Copper Pipe, Threadless Pipe, Threadless Pipe (TP)	Ch.12, Ch.13
ASTM B 306-2002	Copper Drainage Tube (DWV)	Copper Tube, Drainage Tube	309.0
ASTM B 370-2003	Copper Sheet and Strip for Building Construction	Building Construction, Coils For Building Construction, Copper Sheet, Copper Strip, Down Spouts, Flashing, Gutters, Roofing, Sheet/Strip In Flat Lengths	508.1.1
ASTM B 447-2007	Welded Copper Tube	Copper Tube, Copper Welded Tube, Welded Tube	1201.2.1.1, 1201.2.1.2, 1201.2.3.7, 1309.5.2.3, 1309.5.3.2
ASTM B 587-2006	Welded Brass Tube	Brass Tube, Welded Brass Tube	1201.2.1.1, 1201.2.1.3, 1201.2.1.4.1, 1201.2.3.1, 1309.5.2.3, 1309.5.3.2
ASTM B 687-1999 (R2005) <sup>e1</sup>	Brass, Copper, and Chromium-Plated Pipe Nipples	Chromium Plating, Copper, Copper Alloy Fittings, Em Tube, Pipe Nipples	1313.7
ASTM B 813-2000 <sup>e1</sup>	Liquid and Paste Fluxes for Soldering of Copper Aggressiveness Test, and Copper Alloy Tube	Copper and Copper Alloys, Corrosiveness, Flushing, Liquid and Paste Fluxes, Resistivity, Soldering, Spreading Factor, Tarnish	1201.2.1.7
ASTM B 828-2002	Making Capillary Joints in Copper and Copper Alloy Tube and Fittings	Assembly, Capillary, Cleaning, Copper, Corrosivity, Fittings, Flux	1201.2.3.7
ASTM C 411-2005	Hot-Surface Performance of High Temperature Thermal Insulation	Block Board, Cracking, Delamination, Hot-Surface Performance, Pipe Thermal Insulation, Surface Analysis Building, Temperature Tests-Insulation, Thermal Insulating Materials	1201.2.1.8, 1201.3.1.3, 1201.4.1.3
ASTM C 518-2004	Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	Certification: Calibration, Error Analysis, Heat Flow Meter Apparatus, Heat Flux, Instrument Verification, Thermal Conductivity, Thermal Resistance, Thermal Testing, Tunnel Test	Table 6-6A
ASTM D 93-2007	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	Certification	503.3
ASTM D 2513-2007b*	Thermoplastic Gas Pressure Pipe, Tubing and Fittings	Product	1309.5.4, 1312.1.7(B)(1)

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ASTM E 84-2007b	Surface Burning Characteristics of Building Materials	Certification: 25 Foot Tunnel, Flame Spread, Flame Spread Index, Smoke Developed, Smoke Developed Index, Steel Sheet, Surface Burning Test	602.2, 605.0(E), 1201.2.1.8, 1201.3.1.3, 1201.4.1.3, Table 3-2, footnote 6
ASTM E 814-2006	Fire Tests of Through-Penetration Fire Stops	Certification: Fire Testing-building Materials, Fire Testing-Hose Stream Test, Structural Analysis/Applications	507.2.5, 507.2.6, 928.1(c)
ASTM E 2231-2007a	Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics	Certification: IEEE, Insulation, Pipe, Preparation	605.0, 1201.2.1.8, 1201.4.1.3
ASTM E 2336-2004	Standard Test Method for Fire-Resisting Grease Duct Enclosure Systems	Field Fabricated Grease Duct	507.2.6
ASTM F 876-2006*	Crosslinked Polyethylene (PEX) Tubing	Piping	1201.3, 1201.3.1.1, 1201.3.2
ASTM F 877-2005 <sup>e1</sup> *	Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems	Piping	1201.3, 1201.3.1.1, 1201.3.2
ASTM F 1281-2007*	Crosslinked polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	Composite, Crosslinked PE, PEX-AL-PEX, Pipe, Pressure	1201.4, 1201.4.1.1, 1201.4.2
ASTM F 1282-2006*	The Standard for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	Composite Pressure Pipe	1201.7, 1201.7.1.1, 1201.7.1.6
ASTM F 1807-2007a <sup>e1</sup> *	Metal Insert Fittings Utilizing Copper Crimp Ring for SDR 9 Crosslinked Polyethylene (PEX) Tubing	Pipe Fittings	1201.3.2
ASTM F 1960-2007a*	Cold Expansion Fittings with PEX Reinforcing Rings for Use with Crosslinked Polyethylene (PEX) Tubing	Pipe Fittings	1201.3.2
ASTM F 1961-2002a*	Metal Mechanical Cold Flare Compression Fittings with Disc Springs for Crosslinked Polyethylene (PEX) Tubing	Cold and Hot Water Distribution, Cold Expansion Insert Fittings, Crosslinked Polyethylene, PEX	1201.3, 1201.3.1.1, 1201.3.2
ASTM F 1970-2005*	Special Engineered Fittings or Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC)	Fittings, Connection	309.5
ASTM F 1973-2005*	Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyimide 11 (PA11) Fuel Gas Distribution	Piping Connection	1309.5.4.2, 1312.1.7(B)(2)
ASTM F 1974-2004*	Standard Specification for Metal Insert Fittings for polyethylene/Aluminum/Polyethylene and Crosslinked polyethylene/ Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	Joints	1201.7.1.6
ASTM F 2080-2005*	Cold-Expansion Fittings with Metal Compression Sleeves for Crosslinked Polyethylene (PEX) Pipe	PEX Fittings	1201.3.1.2
ASTM F 2098-2004 <sup>e1</sup>	Stainless Steel Clamps for Securing SDR 9 Crosslinked	Pipe Connection	1201.4.1.1
ASTM F 2158-2001	Residential Central-Vacuum Tube and Fittings	Central Vacuum, Fittings, PVC, Tube	506.1(3)
ASTM F 2159-2005	Plastic Insert Fittings Utilizing a Copper Ring for SDR 9 Crosslinked Polyethylene (PEX) Tubing	Pipe Connection	1201.3.2
ASTM F 2262-2005*	Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Tubing OD Controlled SDR 9	Pipe Connection	1201.4.2

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ASTM F 2389-2007	Standard Specification for Pressure-rated Polypropylene (PP) Piping Systems	Polypropylene Piping	1201.5, 1201.5.1.1, 1201.5.1.2, 1201.5.1.5
ASTM F 2434-2005	Metal Insert Fittings Utilizing Copper Crimp Ring for SDR 9 Crosslinked Polyethylene (PEX) Tubing and SDR 9 Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Tubing	Pipe Fittings	1201.4.2
ASTM F 2509-2006	Field-Assembled Anodeless Riser Kits for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing	Plastic Pipe Connection	1312.1.7(B)(3)
ASTM F 2623-2007	Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR-9 Tubing	Hot Water Piping	1201.6, 1201.6.1.1
AWS A5.8-2004*	Specification for Filler Metals for Brazing and Braze Welding	Pipe Joints	1205.0, 1309.5.8.1, 1309.5.8.2
AWS B2.4-2006*	Specifications for Welding Procedures and Performance Qualifications for Thermoplastics	Pipe Welder	502.0, 508.2
AWWA C110-2003*	Ductile-Iron and Gray-Iron Fittings, 3 in. through 48 in. (75 mm through 1,200 mm), for Water and Other Liquids	Pipe Construction	1201.2.1.1
AWWA C151-2002*	Ductile-Iron Pipe, Centrifugally Cast, for Water	Water Pipe	1201.2.1.1
AWWA C203-2002*	Coal-Tar Protective Coatings and Linings for Steel Water Pipelines - Enamel and Tape - Hot Applied	Pipe Coatings, Pipe Linings	1201.2.1.6, 1309.5.6
AWWA C500-2002*	Gate Valves for Water and Sewerage Systems Valves	Gate Valves	Ch.14
CAN/CGSB 3.2-1999	Heating Fuel Oil	Fuel Oil	Appendix C.1.0
CFR 29, 1910.1000	Code of Federal Regulations	Occupational Exposure Limit	Table 11-1
CFR 49, 191 and 192	Code of Federal Regulations	Gas Supply System	1324.0, 1325.0
CFR 49, 192.123	Code of Federal Regulations	Design Pressure and Design Limitations	1330.0, 1332.2.1
CFR 49, 192.281(e)	Code of Federal Regulations	Plastic Pipe	1309.5.4.2
CFR 49, 192.283(b)	Code of Federal Regulations	Joints	1309.5.4.2
CGA 2.91-M96, CGA 2.91A-M97*	Gas-Fired, Heat Activated, Air Conditioning and Heat Pump Appliances (same as CSA 2.9.1a 97) (R2002)	Gas Fired Air Conditioning, Gas Fired Heat Pump	307.0
CGA 6.14-M96 (R2001)*	Automatic Vent Damper Devices for Use with Gas-Fired Appliances (same as CSA 6.14-96) (R2001)	Vent Dampers, Automatic Dampers	802.14, 802.15(3)(4), 803.1, 803.2.1, C.9.0 (A)(8), (B)(9), (D)(9), (E)(9)
CGA 9.1a-2001 (R2003)*	Manually Operated Gas, Valves for Appliances, Appliance Connector Valves and Hose End Valves (same as CGA 9.1)	Appliance Valves, Connector Valves, Gas Valves, Hose End Valves, Manually Operated Valves, Valves	1309.8.2, 1309.10, 1313.4
CSA 1.4-2002*	Refrigerators Using Gas Fuel	Gas Refrigerators, Refrigerators	802.2.2.6, 923.0
CSA 1.6-2007*	Outdoor Gas Cooking Appliances	Cooking Appliances	921.0
CSA 1.8-2006*	Gas Food Service Equipment	Food Service Equipment	913.1, 913.3(A), (B)
CSA 2.14a 2007*	Gas-Fired Construction Heaters	Product	307.1, 924.0, 927.0
CSA 2.22-2007*	Decorative Gas Appliances, Vented	Appliances, Decorative Appliances	203.0, 224.0, Table 8-1, 907.2, 907.3
CSA 2.26b-2004*	Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces	Decorative Appliances, Decorative Fireplace Appliances	907.0, 1313.4

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CSA 2.6-2006*	Gas Unit Heaters and Gas-Fired Duct Furnaces	Product	901.0, 911.0
CSA 2.7-1998 (R2004)*	Installation of Domestic Gas Conversion Burners	Conversion Burner Installation, Gas Burners	802.10.2.4, 802.12.1, 906.0, C.4.0
CSA 2.7-M1998*	Domestic Gas Conversion Burners	Conversion Burners, Domestic, Gas Burners	802.10.2.4, 802.12.1, C.4.0
CSA 2.32-2007*	Gas-Fired Vented Heating Appliances	Gas Appliances, Vented Heaters	306.0, 307.1
CSA 2.34b-2004*	Gas-Fired Tube Type and Low Intensity Infrared Heaters	Infrared Heaters, Low Intensity Heaters	919.0
CSA 2.35b-2007*	Gas-Fired High Intensity Infrared Heaters	High Intensity Heaters, Infrared Heaters	919.0
CSA 3.7b-2006*	Non-Recirculating Direct Gas-Fired Industrial Air Heaters	Air Heaters, Non-Recirculating, Non-Recirculating Heaters	909.0
CSA 4.1-2006*	Gas Water Heaters, Volume I, Water Heaters with Input Ratings of 75,000 Btu per Hour or Less	Gas Water Heaters	225.0, 517.1.2, 802.2.2.5, Table 13-1
CSA 4.3a-2007*	Gas Water Heaters, Volume III, Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating and Instantaneous Water Heaters	Gas Water Heaters	225.0, 517.1.2, 802.2.2.5, Table 13-1
CSA 4.4b-2001 (R2003)*	Relief Valves for Hot Water Supply Systems	Hot Water, Pressure Relief, Relief Valves, Valves	904.6, 1006.0, 1007.0, 1010.2, 1206.0
CSA 4.7-2006*	Gas-Fired Pool Heaters	Gas Fired Heaters, Pool Heaters, Spa Heaters	922.0
CSA 4.9b-2007*	Gas-Fired Low Pressure Steam and Hot Water Boilers	Gas Fired Boilers, Hot Water Boilers, Low Pressure Boilers, Steam Boilers	214.0, 904.0, 904.1.1, 904.2(E), 1003.1, Table 13-1
CSA 6.3b-2007*	Gas Appliance Pressure Regulators	Appliance Regulators, Gas Refrigerators, Pressure Regulators	917.5, 1309.7.5(B) 1311.0(1), (2)
CSA 6.5-2005*	Automatic Valves for Gas Appliances	Appliance Valves, Automatic Gas Valves, Valves	917.2(B)(3), B.4.0
CSA 6.8-2005*	Pilot Gas Filters	Filters, Pilot Filters	1311.0
CSA 6.9A-2005*	Quick-Disconnect Devices for Use with Fuel Gas	Quick Disconnect	1303.7
CSA 6.10b-2006*	Connectors for Gas Appliances	Connectors, Gas Connectors	1312.1.7, Tables 3-4, 3-5 and 3-6
CSA 6.16b-2006*	Connectors for Moveable Gas Appliances	Appliance Connectors, Connectors	1312.1.7, Tables 3-4, 3-5 and 3-6
CSA 6.22a- 2005*	Line Pressure Regulators	Pressure Regulators, Regulators	1309.7, 1309.7.5(A),
CSA 6.26-2005*	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST) Fuel Gas	CSST, Fuel Gas Tubing, Stainless Steel Tubing	1309.5.3.4
CSA A7.1b-2006*	Gas Clothes Dryers - Volume I, Type I	Clothes Dryers, Gas	504.3, 701.1.1, 701.1.4, 802.2.2.4, 905.0, 1312.7
CSA 7.2a-2006*	Gas Clothes Dryers - Volume II, Type 2	Clothes Dryers, Gas	504.3, 701.1.4, 905.0, 1312.7

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CSA 8.4a-2006*	Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances	Appliance Connectors, Gas Connectors, Hose Connectors, Indirect Water Heaters, Pool Heaters, Portable Appliance Connectors	1312.1.7
CSA America FC 1-2004*	Fuel Cell Power Plants	Fuel Cell Power Plants	1601.0
CSA F379.1-88 (R2006)	Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer)	Solar Heating Systems	1206.0, Ch.15
CSA LC4-2007*	Press-Connect Copper and Copper Alloy Fittings For Use in Fuel Gas Distribution Systems	Copper Alloy Fittings	1309.5.8.2
CSA Z21.1a-2007*	Household Gas Cooking Appliances	Household Cooking Appliances, Gas Fired	305.0, Table 3-2, 916.0, Table 13-1, 1313.1
CSA Z21.11.2b-2007*	Gas-Fired Unvented Room Heaters, Volume II	Room Heaters, Unvented Heaters	924.1.1
CSA Z21.12-1994 (R2000)*	Draft Hoods	Draft Hoods, Hoods	205.0, 206.0, 701.1.3, 802.2.2.5, 802.12, B.6.0
CSA Z21.20-2007*	Automatic Gas Ignition Systems and Components (same as CSA C22-2 No. 99)	Automatic Ignition, Gas Ignition, Ignition	917.2(B)(3), B.4.0
CSA Z21.23b-2005	Gas Appliance Thermostats	Thermostats	912.1(C)
CSA Z21.24-2006*	Connectors for Gas Appliances (same as CSA 6.10)	Connectors For Gas	919.2
CSA Z21.42a-2004*	Gas-Fired Illuminating Appliances	Illuminating Appliances	203.0, Table 13-1
CSA Z21.61-1983 (R2004)*	Gas-Fired Toilets	Toilets	926.0
CSA Z21.71a-2005 (R2007)*	Automatic Intermittent Ignition Systems for Field Installation	Automatic Pilot Ignition, Pilot Ignition	1003.9, Table 10-3
CSA Z21.90-2001 (R2005)	Gas Convenience Outlets (same as CSA 6-24)	Gas Outlets	1312.7
CSA Z83.18a-2005*	Recirculating Direct Gas-Fired Industrial Air Heaters	Air Heaters, Industrial Heaters, Recirculating	910.1
CSA 2.33a-2007*	Vented Gas Fireplace Heaters	Fire Place Heaters	802.5.8
EPA 202-1996	Determination of Condensable Particulate Emissions for Stationary Sources	Miscellaneous	516.2.9
IAPMO IS 13-2006	Installation Protectively Coated Pipe	Pipe Coatings	1312.1.3
IAPMO PS 33-2007a	Flexible PVC Hose for Pools, Hot Tubs, Spas and Jetted Bathtubs	Flexible Hose, Hose, PVC Hose	309.5
IAPMO PS 120-2004	Flashing and Stand Combination for Air Conditioning Units (Residential or Commercial Unit Curb)	Air Conditioning Flashing Stand	1106.2
IAS 1-1991	U.S. Requirements for Indirect Water Heaters for Use With External Heat Source	Indirect Water Heaters	225.0, 517.1.2, Table 13-1
I-B-R 1st Edition Aug, 2002	Rating Procedure for Heating Boilers	Certification	Ch.10
IIAR2-1999	Mechanical Refrigeration, Equipment, Design, and Installation of Ammonia Systems	Ammonia Refrigeration Systems	1102.0
ISO Guide 65:1996	General Requirements for Bodies Operating Product Certification Systems	Certification	214.0, Ch.3
MSS SP-6-2007	Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings	Butterfly Valves, Pipe Hangers, Pipe Supports, Valves	1309.10
MSS SP-58-2002*	Pipe Hangers and Supports - Materials, Design, and Manufacture	Pipe Hangers, Pipe Supports	1312.2.6(A)
MSS SP-67-2002a*	Butterfly Valves	Butterfly Valves, Valves	Ch.12, Ch.13, Ch.14



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MSS SP-69-2003*	Pipe Hangers and Supports - Selection and Application	Pipe Hangers, Pipe Supports	1312.2.6(A)
MSS SP-80-2003*	Bronze Gate, Globe, Angle, and Check Valves	Angle Valves, Bronze Valves, Check Valves, Gate Valves, Globe Valves, Valves	1309.8.2
MSS SP-89-2003*	Pipe Hangers and Supports - Fabrication and Installation Practices	Installing Pipe Hanger, Installing Piping Supports	1201.2.1.11, 1311.2.6(A)
MSS SP-104-2003*	Wrought Copper Solder Joint Pressure Fittings	Pressure Fittings, Solder Fittings, Wrought Copper Fittings	1201.2.2.2, Ch.13, Ch.14
MSS SP-106-2003*	Cast Copper Alloy Flanges and Flanged Fittings, Class 125, 150, and 300	Cast Copper Alloy Fittings, Copper Alloy Fittings, Copper Alloy Fittings, Flanged Fittings	1111.0
MSS SP-109-1997 (R2006)*	Welded Fabricated Copper Solder Joint Pressure Fittings	Copper Fittings, Fabricated Fittings, Pressure Fittings, Solder Fittings, Welded Pipe	1201.2.2.2, Ch.13, Ch.14
NFPA 10-2007*	Portable Fire Extinguishers	Fire Extinguishing	513.11
NFPA 12-2008	Carbon Dioxide Extinguishing Systems	Fire Extinguishing	513.2.2.1
NFPA 13-2007	Installation of Sprinkler Systems	Fire Extinguishing	513.2.2.1
NFPA 17-2002*	Dry Chemical Extinguishing Systems	Fire Extinguishing	513.2.2.1, 513.3
NFPA 17A-2002*	Wet Chemical Extinguishing Systems	Fire Extinguishing	513.2.2.1, 513.3
NFPA 30-2008	Flammable and Combustible Liquids Code	Combustible Liquids, Flammable Liquids	204.0
NFPA 31-2006*	Installation of Oil Burning Equipment	Oil Burning Equipment	302.3, 1334.0, 1335.6, 1335.6.1
NFPA 37-2006	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	Generators	925.0, 1602.0
NFPA 52-2006	Compressed Natural Gas (CNG) Vehicular Fuel Systems	CNG Vehicle Fuel Systems	1301.0
NFPA 54/Z223.1-2006*	National Fuel Gas Code	Fuel Gas Code	516.2.1, 1309.7.5(A)(1)
NFPA 58-2004*	Liquefied Petroleum Gas Code	LPG Code	303.7, 516.2.1, 1309.5.4.3, 1313.0
NFPA 69-2008	Explosion Prevention Systems	Explosion Prevention	505.1.2
NFPA 70-2008	National Electrical Code	Electrical Code	207.0, 511.1.6, 512.2.6, 516.2.7, 516.2.9(D)
NFPA 80-2007	Fire Doors and Fire Windows	Fire Doors	510.7.5
NFPA 82-2007	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	Incinerator Shutes	918.0
NFPA 85-2004	Boiler and Combustion Systems Hazard Code	Boiler Hazard Code, Fuel Cell Power Plants Fuel Cells	1001.0(9), 1018.0, Table 10-3
NFPA 88A-2007	Parking Structures	Building	911.8.1
NFPA 90A-2002	The Installation of Air-Conditioning and Ventilating Systems	HVAC	Ch.6, 904.7

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
NFPA 90B-2006	The Installation of Warm Air Heating and Air-Conditioning Systems	HVAC	Ch.6, 904.7(A)
NFPA 91-2004	Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids	Product Conveying Ducts	506.5.4
NFPA 96-2008	Ventilation Control and Fire Protection of Commercial Cooking Operations	Commercial Cooking	Ch.5, Part II
NFPA 211-2006	Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances	Chimneys, Fireplaces, Solid Fuel Appliances	517.7.1, 517.7.2, 517.7.3, 801.1, 801.2, 802.5.1.2, 802.5.1.3, 802.5.4.2
NFPA 255-2006	Method of Test of Burning Characteristics of Building Materials	Certification: Surface Burning Test (ASTM E84 and UL 723)	602.2, 605.0, 1201.2.1.8, 1201.3.1.3 1201.4.1.3, Table 3-1, footnote 6
NFPA 262-2007*	Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces	Certification: Surface Burning Test, Wire, Cable	602.2(5)
NFPA 274-2003*	Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation	Pipe Insulation	1201.2.1.8, 1201.3.1.3, 1201.4.1.3
NFPA 409-2004	Standard on Aircraft Hangars	Building	911.9
NFPA 501A-2005	Fire Safety Criteria for Manufactured Home Installations Sites and Communities	Building	Ch.13, Part II
NFPA 654-2006	Prevention of Fire and Dust Explosion from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	Dust Explosion Prevention, Gutters	506.4
NFPA 780	Standard for the Installation of Lightning Protection Systems	Lightning Protection System	1312.14
NFPA 853-2007*	Installation of Stationary Fuel Cell Power Systems	Fuel Cell Power Plants, Fuel Cells	1601.0
PPI TR-4-2007b	Recommended Hydrostatic Strengths and Design Stresses for Thermoplastic Pipe and Fittings Compounds	Certification: Pipe and Fittings Compounds, Thermoplastic Compounds	Ch.12, Ch.14
SAE J512-97	Automotive Tube Fittings	Tube Fittings	Ch.12
SMACNA-2003	Fibrous Glass Duct Construction Standard 7th Edition	Fiberglass Ducts	602.3
UL 17-1994	Vent or Chimney Connector Dampers for Oil-Fired Appliances	Vent Dampers	1005.4
UL 21-2007*	LP-Gas Hose	Hose, LPG-Hose	1312.2
UL 33-2003*	Heat Responsive Links for Fire-Protection Service	Fusible Links	606.0
UL 51-2002	Power-Operated Pumps for Anhydrous Ammonia and LP-Gas	Ammonia Pumps, LPG Pumps, Pumps	516.2.1, 1309.5.4.3, 1313.0
UL 80-2007*	Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids	Oil Tanks, Tanks	302.3, 1018.0, 1335.6.2
UL 103-2001*	Factory-Built Chimneys for Residential Type and Building Heating Appliances	Chimneys, Heating Appliance Chimneys, Residential Chimneys	802.5.1
UL 125-2007*	Valves for Anhydrous Ammonia and LP-Gas (Other than Safety Relief)	Ammonia Valves, LPG Valves, Valves	516.2.1, 1309.5.4.3, 1313.0
UL 127-1996*	Factory-Built Fireplaces	Fireplaces	802.5.1.3, 802.5.4.1, 802.10.13
UL 132-2007*	Safety Relief Valves for Anhydrous Ammonia and LP-Gas	Ammonia Relief Valves, LPG Valves, Relief Valves	516.2.1, 1309.5.4.3, 1313.0
UL 144-1999*	LP-Gas Regulators	Low Pressure Boilers, Regulators	1301.0

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STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
UL 174-2004*	Household Electric Storage Tank Water Heaters	Water Heaters, Electric	225.0, 517.1.2, 802.2.2.5, 803.1.8.1, Table 13-1
UL 180-2003	Liquid-Level Indicating Gauges for Oil Burner Fuels	Gauges, Level Gauges	302.3, 1018.0, Ch.13
UL 181-2005*	Factory-Made Air Ducts and Air Connectors	Air Connectors, Air Ducts	602.5, A.6.501
UL 181A-2005*	Closure Systems for Use with Rigid Air Ducts	Air Ducts	602.4
UL 181B-2005*	Closure Systems for Use with Flexible Air Ducts and Air Connectors	Air Connectors, Air Ducts	602.4, A.6.507(A)(4), A.6.508(2)
UL 197-2003*	Commercial Electric Cooking Appliances	Appliances, Commercial Cooking, Electric Appliances	507.1.1, 508.2.11
UL 207-2001	Refrigerant-Containing Components and Accessories, Non Electrical	Refrigerant Components	Ch.11
UL 252-2003*	Compressed Gas Regulators	Regulators	Ch.13
UL 268A-1998*	Smoke Detectors for Duct Application	Smoke Detectors	609.0
UL 296-2003*	Oil Burners	Burners	302.3, 1019.0, 1302.0, 1318.0, 1332.0(2), 1332.2, 1333.6, 1333.6.1, 1334.0, 1335.2, 1335.3
UL 300-2005*	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Equipment	Certification: Restaurant Fire Protection	513.2.2
UL 343-1997	Pumps for Oil-Burning Appliances	Oil Pumps, Pumps	302.3, 1019.0, 1302.0, 1318.0, 1332.0(2), 1332.2, 1333.6, 1333.6.1, 1334.0, 1335.2, 1335.3
UL 352-2006	Constant-Level Oil Valves	Oil Valves, Valves	Appendix C
UL 353-1994	Limit Controls	Controls	912.2
UL 378-2006*	Draft Equipment	Draft Equipment	1003.15
UL 391-2006*	Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces	Furnaces, Solid Fuel	Ch.9
UL 399-1993*	Drinking-Water Coolers	Drinking Fountains, Water Coolers	Ch.9
UL 404-2005*	Gauges for Compressed Gas Service Indicating Pressure	Gauges, Compressed Gas	Ch.13
UL 412-2004*	Refrigeration Unit Coolers	Refrigeration	Ch.11
UL 429-1999	Electrically Operated Valves	Valves	Ch.12, 1309.9, Ch.14
UL 441-1996*	Gas Vents	Vents	802.6
UL 443-2006	Steel Auxiliary Tanks for Oil-Burner Fuel	Oil Tanks, Tanks	302.3, 1019.0, 1302.0, 1318.0, 1332.0(2), 1332.2, 1333.6, 1333.6.1, 1334.0, 1335.2, 1335.3
UL 471-2006	Commercial Refrigerators and Freezers	Freezers, Refrigerators	923.0, Ch. 11
UL 525-2004	Flame Arrestors	Flame Arrestors	Ch.9
UL 536-1997*	Flexible Metallic Hose	Hose, Metallic Hose	Ch.13
UL 555-2006	Fire Dampers	Dampers	606.2
UL 555C-2006*	Ceiling Dampers	Dampers	606.0
UL 555S-1999	Smoke Dampers	Dampers	606.0

STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
UL 565-1998	Liquid-Level Gauges and Indicators for Anhydrous Ammonia and LP-Gas	Gauges, LP Gas	516.2.1, 1309.5.4.3, 1309.5.9(D), 1313.0
UL 569-1995*	Pigtails and Flexible Hose Connectors for LP-Gas	Gas Connectors, Connectors	516.2.2, 1309.5.4.3, 1309.5.9(D), 1313.0
UL 641-1995	Type L Low-Temperature Venting Systems	Product	302.3
UL 710-1995	Exhaust Hoods for Commercial Cooking Equipment	Exhaust Hoods, Hoods	508.6, 513.2.2
UL 723-2008*	Test for Surface Burning Characteristics of Building Materials	Surface Burning Testing	508.2.8, 508.3, 1201.2.1.8
UL 726-1995	Oil-Fired Boiler Assemblies	Boiler, Oil Fired	302.3, 1320.0
UL 727-2006	Oil-Fired Central Furnaces	Furnaces, Central, Oil Fired	302.3, 1320.0
UL 729-2003	Oil-Fired Floor Furnaces	Furnaces, Floor, Oil Fired Furnaces	302.3, 912.0
UL 730-2003	Oil-Fired Wall Furnaces	Furnaces, Wall, Oil Fired	302.3, 928.0
UL 731-1995	Oil-Fired Heater Units	Heaters, Oil Fired	302.3, 927.0
UL 732-1995*	Oil-Fired Storage Tank Water Heaters	Water Heaters, Oil Fired	302.3, 1320.0
UL 733-1993	Oil-Fired Air Heaters and Direct-Fired Heaters	Water Heaters, Direct Fired, Oil Fired	302.3, 1320.0
UL 737-2007	Fireplace Stoves	Fireplace Stoves	208.0
UL 791-2006	Residential Incinerators	Incinerators	Table 8-2
UL 795-2006	Commercial-Industrial Gas Heating Equipment	Heating Equipment, Gas Fired	Ch.10
UL 834-2004*	Heating Water Supply, and Power Boilers-Electric	Boilers, Electric Ranges Boilers	Ch.10
UL 842-1997	Valves for Flammable Fluids	Valves	Ch.13
UL 858-2005*	Household Electric Ranges	Electric Ranges, Ranges	Ch.9
UL 867-2000	Electrostatic Air Cleaners	Filters	311.2
UL 896-1993	Oil-Burning Stoves	Stoves, Oil Fired	1320.0
UL 900-2004*	Air Filter Units	Air Filters, Filters	311.2
UL 907-1994	Fireplace Accessories	Fireplace Accessories	Ch.9
UL 921-2006*	Commercial Electric Dishwashers	Dishwashers	Ch.5, Part II
UL 959-2001*	Medium Heat Appliance Factory-Built Chimneys	Chimneys	802.5
UL 984-1996	Hermetic Refrigerant Motor-Compressors	Compressors, Refrigeration	Ch.11
UL 1026-2007*	Electric Household Cooking and Food Serving Appliances	Cooking Appliances, Electric Appliances	916.0
UL 1046-2000	Grease Filters for Exhaust Ducts	Filters-Grease	509.1
UL 1206-2003*	Electric Commercial Clothes-Washing Equipment	Clothes Washers, Commercial Clothes Washers	Ch.5
UL 1240-2005*	Electric Commercial Clothes-Drying Equipment	Clothes Dryers, Commercial	905.0
UL 1453-2004*	Electric Booster and Commercial Storage	Electric Water Heaters, Water Heaters	302.3, 303.8.1.6, 308.0
UL 1479-2003	Fire Tests of Through-Penetration Firestops	Firestops	Ch.12
UL 1482-1996	Solid-Fuel Type Room Heaters	Room Heaters, Solid Fuel Heaters	924.0

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STANDARD NUMBER	STANDARD TITLE	APPLICATION	REFERENCED SECTION
UL 1738-1993	Venting Systems for Gas-Burning Appliances, Categories II, III, and IV	Gas Vent Systems, Vent Systems	802.0
UL 1746-2007*	External Corrosion Protection Systems for Steel Underground Storage Tanks	Tanks	204.0, Ch.10
UL 1777- 2007*	Chimney Liners	Chimneys, Liners	803.1.6, 803.2.19
UL 1812-1995	Ducted Heat Recovery Ventilators	Heat Recovery Ventilators	Ch.6
UL 1815-2001	Nonducted Heat Recovery Ventilators	Heat Recovery Ventilators	Ch.6
UL 1820-2004*	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics	Surface Burning Test, Pneumatic Tubing	602.2(7)
UL 1887-2004*	Fire Test of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics	Surface Burning Test, Fire Sprinkler Pipe	602.2(6)
UL 1963-2005*	Refrigerant Recovery/ Recycling Equipment	Refrigerant Equipment	Ch.11
UL 1978-2005*	Grease Ducts	Ducts, Grease	508.2.11
UL 1995-2005*	Heating and Cooling Equipment	HVAC, Electric	307.0
UL 2021-1997	Fixed and Location-Dedicated Electric Room Heaters	Product, Heating, Electric	Ch.9
UL 2043-1996	Fire Test for Heat and Visible Smoke Release For Discrete Products and Their Accessories Installed in Air-Handling Spaces	Surface Burning Test, Discrete Products	602.2(8)
UL 2157-1997	Electric Clothes Washing Machines and Extractors	Clothes Washers, Extractors	Ch.5
UL 2158-1997	Electric Clothes Dryers	Clothes Dryers, Electric	905.0
UL 2200,1998	Stationary Engine Generator Assemblies	Assemblies	1602.0
UL 2221-2001	Tests of Fire Resistive Grease Duct Enclosure Assemblies	Duct Wrap, Grease Duct Enclosure	507.2.5

Although these standards are referenced in Chapter 17, some of the materials and equipment in the standards may not be acceptable for use under the provisions of this code.

\* *ANSI Approved Standards*