

CHAPTER 15

REFERENCED STANDARDS

User note:

About this chapter: This code contains numerous references to standards that are used to provide requirements for materials and methods of construction. This chapter contains a comprehensive list of all standards that are referenced in this code. These standards, in essence, are part of this code to the extent of the reference to the standard. 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 ((402-8)) 103.5.

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington, VA 22206

ANSI/ACCA 1 Manual D—2016: Residential Duct Systems
601.4, 603.2

ANSI/ACCA 10 Manual SPS—2010 (RA 2017): HVAC Design for Swimming Pools and Spas
403.2.1

ANSI/ASHRAE/ACCA 183—2007 (reaffirmed 2014): Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings
312.1

AHAM

AHAM Association of Home Appliance Manufacturers
1111 19th St. N.W., #402
Washington, D.C. 20036

[W] AHAM-Certified Range Hood Directory
403.4.7.3.1

[W] HRH-2 Household Range Hoods
403.4.7.3.1

AHRI

Air-Conditioning, Heating & Refrigeration Institute
2311 Wilson Blvd., Suite 400
Arlington, VA 22201

700—2017: with Addendum 1: Specifications for Refrigerants
1102.2.2.3

AMCA

Air Movement and Control Association International
30 West University Drive
Arlington Heights, IL 60004

230—15: Laboratory Methods of Testing Air Circulating Fans for Rating and Certification
930.1

ANSI/AMCA 210—16/ANSI/ASHRAE 51—16: Laboratory Methods of Testing Fans for Aerodynamic Performance Rating
403.3.2.5

ANSI/AMCA 550—15 (Rev. 09/18): Test Method for High Velocity Wind Driven Rain Resistant Louvers
401.5, 501.3.2

REFERENCED STANDARDS

ANCE

[W] UL/CSA/ANCE 60335-2-40-2019 Household and Similar Electrical Appliances—Safety—Part 2-40: Particular Requirements for Electrical Heat Pumps, Air Conditioners and Dehumidifiers

Table 1101.2

ANSI

American National Standards Institute
25 West 43rd Street, 4th Floor
New York, NY 10036

ANSI Z21.1—2016/CSA 1.1—2016: Household Cooking Gas Appliances
505.2

Z21.8—1994 (R2017): Installation of Domestic Gas Conversion Burners
919.1

ASHRAE

ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

15—2019: Safety Standard for Refrigeration Systems
1101.6, 1105.8, 1108.1

34—2019: Designation and Safety Classification of Refrigerants
202, 1102.2.1, 1103.1

62.1—2019: Ventilation for Acceptable Indoor Air Quality
401.2, 403.3.1.1.2.3.2

[W] 62.2—2019: Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings
401.4, 403.4, 403.4.7.3.3, 403.4.11

90.1—2016: Energy Standard for Buildings Except Low-rise Residential Buildings
401.2

170—2017: Ventilation of Health Care Facilities
407

180—2018: Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems
102.3

ANSI/AMCA 210—ANSI/ASHRAE 51—16: Laboratory Methods of Testing Fans for Aerodynamic Performance Rating
403.3.2.4

ASHRAE—2017: ASHRAE Handbook of Fundamentals
603.2

ASME

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

A112.4.1—2009 (R2019): Water Heater Relief Valve Drain Tubes
1006.6

B1.1—2003: Unified Inch Screw Threads, UN and UNR Thread Form
1108.3.4

B1.13M—2006: Metric Screw Threads: M Profile
1108.3.4

B1.20.1—2013(R2018): Pipe Threads, General Purpose (Inch)
1203.3.5, 1303.3.3

B1.20.3—1976: Dryseal Pipe Threads, Inch
1108.3.4

B16.3—2016: Malleable Iron Threaded Fittings, Classes 150 & 300
Table 1202.5

ASME—continued

- B16.5—2017: Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24**
Table 1202.5
- B16.9—2019: Factory-made Wrought Steel Butt-welding Fittings**
Table 1202.5
- B16.11—2016: Forged Fittings, Socket-welding and Threaded**
Table 1202.5
- B16.15—2018: Cast Alloy Threaded Fittings: Classes 125 and 250**
Table 1202.5
- B16.18—2018: Cast Copper Alloy Solder Joint Pressure Fittings**
513.13.1, Table 1202.5
- B16.22—2018: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings**
513.13.1, Table 1202.5
- B16.24—2016: Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500**
Table 1202.5
- B16.26—2018: Cast Copper Alloy Fittings for Flared Copper Tubes**
Table 1202.5
- B16.28—1994: Wrought Steel Butt-welding Short Radius Elbows and Returns**
Table 1202.5
- B16.50—2018: Wrought Copper and Copper Alloy Braze-joint Pressure Fittings**
Table 1107.5
- B16.51—2018: Copper and Copper Alloy Press-connect Pressure Fittings**
Table 1202.5
- B31.5—2010: Refrigeration Piping and Heat Transfer Components**
1107.5.1
- B31.5—2019: Refrigeration Piping and Heat Transfer Components**
1107.1
- B31.9—2020: Building Services Piping**
1201.3
- ~~((BPVC—2019: ASME Boiler & Pressure Vessel Code—07 Edition
1003.1, 1004.1, 1009.2, 1011.1))~~
- ~~((CSD-1—2018: Controls and Safety Devices for Automatically Fired Boilers
1004.1))~~

ASSE

ASSE International
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448

- 1017—2009: Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems**
1002.2.2
- 1061—2015: Performance Requirements for Push Fit Fittings**
Table 1202.5
- 1079—2005: Performance Requirements for Dielectric Pipe Unions**
1108.1.1

ASSP

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068

- ANSI/ASSP Z359.1—2020: The Fall Protection Code**
304.11

ASTM

ASTM International
 100 Barr Harbor Drive, P.O. Box C700
 West Conshohocken, PA 19428

- A53/A53M—2018: Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated, Welded and Seamless**
 Table 1202.4, Table 1202.5, Table 1302.3
- A105/A105M—18: Standard Specification for Carbon Steel Forgings for Piping Applications**
 Table 1107.5
- A106/A106M—2018: Specification for Seamless Carbon Steel Pipe for High-temperature Service**
 Table 1202.4, Table 1202.5, Table 1302.3
- A126—04(2014): Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings**
 Table 1202.5
- A181/A181M—14: Standard Specification for Carbon Steel Forgings, for General-purpose Piping**
 Table 1107.5
- A193/A193M—19: Standard Specification for Alloy-steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications**
 Table 1107.5
- A234/A234M—18A: Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service**
 Table 1202.5
- A240/A240M—17: Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications**
 Table 1302.3
- A254—2010(2018): Specification for Copper Brazed Steel Tubing**
 Table 1202.4, Table 1302.3
- A269/A269M—2015A: Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service**
 Table 1302.3
- A312/A312M—2018: Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes**
 Table 1302.3
- A334/A334M—04a(2016): Standard Specification for Seamless and Welded Carbon and Alloy-steel Tubes for Low-temperature Service**
 Table 1107.4
- A395/A395M—99(2014): Standard Specification for Ferritic Ductile Iron Pressure-retaining Castings for Use at Elevated Temperatures**
 Table 1202.5, Table 1302.3
- A420/A420M—2016: Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-temperature Service**
 Table 1202.5
- A536—84(2014): Standard Specification for Ductile Iron Castings**
 Table 1202.5
- A539—99: Specification for Electric-resistance-welded Coiled Steel Tubing for Gas and Fuel Oil Lines**
 Table 1302.3
- A707/A707M—19: Standard Specification for Forged Carbon and Alloy Steel Flanges for Low-temperature Service**
 Table 1107.5
- B32—08(2014): Specification for Solder Metal**
 1203.3.3
- B42—15a: Specification for Seamless Copper Pipe, Standard Sizes**
 513.13.1, Table 1107.4, Table 1202.4, Table 1302.3
- B43—15: Specification for Seamless Red Brass Pipe, Standard Sizes**
 513.13.1, Table 1107.4, Table 1202.4, Table 1302.3
- B68/B68M—11: Specification for Seamless Copper Tube, Bright Annealed**
 513.13.1
- B75/B75M—11: Specification for Seamless Copper Tube**
 Table 1302.3

ASTM—continued

- B88—2016: Specification for Seamless Copper Water Tube**
513.13.1, Table 1107.4, Table 1202.4, Table 1302.3
- B135/B135M—17: Specification for Seamless Brass Tube**
Table 1202.4
- B210—12: Specification for Aluminum and Aluminum-alloy Drawn Seamless Tubes**
Table 1107.4
- B251/B251M—2017: Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube**
513.13.1, Table 1202.4
- B280—2018: Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service**
513.13.1, Table 1107.4, Table 1302.3
- B302—2017: Specification for Threadless Copper Pipe, Standard Sizes**
Table 1202.4, Table 1302.3
- B361—16: Standard Specification for Factory-made Wrought Aluminum and Aluminum-alloy Welding Fittings**
Table 1107.5
- B491/B491M—15: Standard Specification for Aluminum and Aluminum-alloy Extruded Round Tubes for General-purpose Applications**
Table 1107.4
- B813—2016: Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube**
1203.3.3
- B819—2018: Standard Specification for Seamless Copper Tube for Medical Gas Systems**
Table 1107.4
- B828—2016: Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings**
1203.3.3
- B1003—16: Standard Specification for Seamless Copper Tube for Linesets**
Table 1107.4
- C315—2007(2016): Specification for Clay Flue Liners and Chimney Pots**
801.16.1, Table 803.10.4
- C411—2017: Test Method for Hot-surface Performance of High-temperature Thermal Insulation**
604.3
- D56—2016A: Test Method for Flash Point by Tag Closed Cup Tester**
202
- D93—18: Test Method for Flash Point of Pensky-Martens Closed Cup Tester**
202
- D1527—99(2005): Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80**
Table 1202.4
- D1693—15: Test Method for Environmental Stress-cracking of Ethylene Plastics**
Table 1202.4
- D1785—15E1: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120**
Table 1202.4, Table 1210.4
- D2235—2004(2016): Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings**
1203.3.4
- D2241—15: Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)**
Table 1202.4, Table 1210.4
- D2282—99(2005): Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)**
Table 1202.4
- D2412—11(2018): Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading**
603.8.3
- D2464—15: Standard Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80**
Table 1210.5
- D2466—2017: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40**
Table 1202.5, Table 1210.5
- D2467—15: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80**
Table 1202.5, Table 1210.5

REFERENCED STANDARDS

ASTM—continued

- D2564—2012(2018): Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems**
1203.3.4
- D2657—2007(2015): Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings**
Table 1210.5
- D2683—14: Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing**
Table 1210.5, 1210.6.6.1
- D2737—12a: Standard Specification for Polyethylene (PE) Plastic Tubing**
Table 1210.4
- D2846/D2846M—2017BE1: Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems**
Table 1202.4, Table 1202.5, 1203.3.4, Table 1210.4
- D2996—2017: Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe**
Table 1302.3
- D3035—15: Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter**
Table 1210.4
- D3261—2016: Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing**
Table 1210.5, 1210.6.6.1
- D3278—96(2011): Test Methods for Flash Point of Liquids by Small Scale Closed-cup Apparatus**
202
- D3309—96a(2002): Specification for Polybutylene (PB) Plastic Hot- and Cold-water Distribution Systems**
Table 1202.4
- E84—2018B: Standard Test Method for Surface Burning Characteristics of Building Materials**
202, 510.8, 602.2, 602.2.1, 602.2.1.6, 602.2.1.7, 604.3, 1204.1
- E119—2018B: Test Method for Fire Tests of Building Construction and Materials**
607.2.1, 607.5.2, 607.5.5, 607.6.1
- E136—2019: Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 Degrees C**
202
- E814—2013A(2017): Standard Test Method for Fire Tests of Penetration Firestop Systems**
506.3.11.2, 506.3.11.3
- E1509—2012(2017): Specification for Room Heaters, Pellet Fuel-burning Type**
904.1
- E2231—2018: Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics**
604.3, 1204.1
- E2336—16: Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems**
506.3.6, 506.3.11.2
- [W] E3087-18: Standard Test Method for Measuring Capture Efficiency of Domestic Range Hoods**
403.4.7.3.2, Table 403.4.7.3.2
- F437—15: Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80**
Table 1210.5
- F438—2017: Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40**
Table 1202.5, Table 1210.5
- F439—13: Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80**
Table 1202.5, Table 1210.5
- F441/F441M—15: Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80**
Table 1202.4, Table 1210.4
- F442/F442M—13e1: Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)**
Table 1202.4, Table 1210.4
- F493—14: Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings**
1203.3.4
- F714—13: Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter**
Table 1210.4

ASTM—continued

- F876—2018A: Specification for Cross-linked Polyethylene (PEX) Tubing**
 Table 1202.4, Table 1210.4
- F877—2018A: Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems**
 Table 1202.4, Table 1202.5, Table 1210.4
- F1055—2016A: Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Cross linked Polyethylene (PEX) Pipe and Tubing**
 Table 1210.5, 1210.6.6.2
- F1281—2017: Specification for Cross-linked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe**
 Table 1202.4
- F1282—2017: Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe**
 Table 1202.4, Table 1210.4, Table 1210.5
- F1476—07(2013): Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications**
 Table 1202.5, 1203.3.7
- F1548—2001(2018): Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications**
 Table 1202.5
- F1807—2018: Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing**
 Table 1202.5, Table 1210.5
- F1924—12: Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing**
 1210.6.6.3
- F1960—2018: Specification for Cold-expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing**
 Table 1202.5
- F1974—09(2015): Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe**
 Table 1202.5
- F2080—16: Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe**
 Table 1202.5
- F2098—2015: Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings**
 Table 1202.5
- F2159—2018: Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing**
 Table 1202.5, Table 1210.5
- F2389—2017A: Specification for Pressure-rated Polypropylene Piping Systems**
 Table 1202.4, Table 1202.5, 1203.16.1, Table 1210.4, Table 1210.5, 1210.6.7.1
- F2434—14: Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing**
 Table 1210.5
- F2623—14: Standard Specification for Polyethylene of Raised Temperature (PE-RT) SDR9 Tubing**
 Table 1202.4, Table 1210.4
- F2735—2009(2016): Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing**
 Table 1202.5
- F2769—2018: Polyethylene of Raised Temperature (PE-RT) Plastic Hot- and Cold-water Tubing and Distribution Systems**
 Table 1202.4, Table 1210.5
- F2806—10(2015): Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR)**
 Table 1202.4
- F2855—12: Standard Specification for Chlorinated Poly(Vinyl Chloride)/Aluminum/Chlorinated Poly(Vinyl Chloride) (CPVC-AL-CPVC) Composite Pressure Tubing**
 Table 1202.4

REFERENCED STANDARDS

ASTM—continued

F3226/F3226M—16: Standard Specification for Metallic Press Connect Fittings for Piping and Tubing Systems

Table 1302.3

F3253—2017: Standard Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-water Hydronic Distribution Systems

Table 1202.4, Table 1202.5

AWS

American Welding Society
8669 NW 36 Street, #130
Miami, FL 33166

A5.8M/A5.8—2011—AMD1: Specification for Filler Metals for Brazing and Braze Welding

1203.3.1, 1303.3.1

AWWA

American Water Work Association
6666 West Quincy Avenue
Denver, CO 80235

C110/A21.10—12: Standard for Ductile Iron & Gray Iron Fittings

Table 1202.5

C115/A21.15—11: Standard for Flanged Ductile-iron Pipe with Ductile Iron or Grey-iron Threaded Flanges

Table 1202.4

C151/A21.51—17: Ductile-iron Pipe, Centrifugally Cast

Table 1202.4

C153/A21.53—11: Standard for Ductile-iron Compact Fittings for Water Service

Table 1202.5

C901—16: Polyethylene (PE) Pressure Pipe and Tubing, 3/4 in. (19 mm) through 3 in. (76 mm) for Water Service

Table 1210.4

CPSC

Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814

CPSC August 2011: Title 15 of the Federal Hazardous Substance Act

202, 1009.1

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

ANSI/CSA FC1—2014: Fuel Cell Technologies—Part 3-100: Stationary Fuel Cell Power Systems—Safety

924.1

ANSI/CSA/IGSHPA C448 Series—16: Design and Installation of Ground Source Heat Pump Systems for Commercial and Residential Buildings

Table 1202.4, Table 1202.5, Table 1210.5

B137.1—17: Polyethylene (PE) Pipe, Tubing and Fittings for Cold-water Pressure Services

Table 1210.4, Table 1210.5

B137.2—17: Polyvinylchloride (PVC) Injection-moulded Gasketed Fittings for Pressure Applications

Table 1210.5

B137.3—17: Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications

Table 1210.5

B137.5—17: Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications

Table 1202.5, Table 1210.4, Table 1210.5

B137.6—17: Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing and Fittings for Hot- and Cold-water Distribution Systems

Table 1210.5

CSA—continued

- B137.9—17: Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-pipe Systems**
 Table 1202.4, Table 1210.4, Table 1210.5
- B137.10—17: Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure-pipe Systems**
 Table 1202.4
- B137.11—17: Polypropylene (PP-R) Pipe and Fittings for Pressure Applications**
 Table 1210.4, Table 1210.5
- B137.18—17: Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications**
 Table 1202.4, Table 1202.5, Table 1210.5
- C22.2 No. 218.1—13(R2017): Spas, Hot Tubs and Associated Equipment**
 916.1
- C22.2 No. 236—15: Heating and Cooling Equipment**
 916.1

DOL

U.S. Department of Labor Occupational Safety and Health Administration
 c/o Superintendent of Documents U.S. Government Printing Office
 Washington, DC 20402-9325

- 29 CFR Part 1910.1000 (2015): Air Contaminants**
 502.6
- 29 CFR Part 1910.1025 (2015): Toxic and Hazardous Substances**
 502.19

FDA

U.S. Food and Drug Administration
 10903 New Hampshire Avenue
 Silver Springs, MD 20993

- FDA Title 15: Federal Hazardous Substances Act**
 1403.4
- FDA Title 21: Code of Federal Regulations, Title 21, Food and Drugs, Chapter 1, Food and Drug Administration, Parts 174–186 (revised as of April 1, 2015)**
 1403.3

FS

Federal Specifications* General Services Administration
 7th & D Streets Specification Section, Room 6039
 Washington, DC 20407

- WW-P-325B (1976): Pipe, Bends, Traps, Caps and Plugs; Lead (for Industrial Pressure and Soil and Waste Applications)**
 Table 1202.4

*Standards are available from the Supt. of Documents, U.S. Government Printing Office, Washington, DC 20402-9325

HVI

Home Ventilating Institute*
1740 Dell Range Blvd., Suite H
PMB 450
Cheyenne, WY 82009

- [W] HVI Publication 911: Certified Home Ventilating Product Directory**
403.4.7.3.4
- [W] HVI 915-2020: Procedure for Loudness Testing of Residential Fan Products**
403.4.6.1, 403.4.6.2, 403.4.7.2
- [W] HVI 916-2020: Air Flow Test Procedure**
403.4.6.1, 403.4.6.2, 403.4.7.2
- [W] HVI 920-2020: Product Performance Certification Procedure Including Verification and Challenge**
403.4.6.1, 403.4.6.2, 403.4.7.2

ICC

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

IBC—21: International Building Code®

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IFC—21: International Fire Code®

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IFGC—21: International Fuel Gas Code®

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IPC—21: International Plumbing Code®

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IRC—21: International Residential Code®

101.2

IIAR

International Institute of Ammonia Refrigeration
1001 N. Fairfax Street, Suite 503
Arlington, VA 22314

ANSI/IIAR 2—2014, Including Addendum A: Safe Design of Closed-circuit Ammonia Refrigeration Systems

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ANSI/IIAR 3—2017: Ammonia Refrigeration Valves

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ANSI/IIAR 4—2020: Installation of Closed-circuit Ammonia Mechanical Refrigeration Systems

1101.6

ANSI/IIAR 5—2019: Startup of Closed-circuit Ammonia Refrigeration Systems

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MSS

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

SP 58—2009: Pipe Hangers and Supports—Materials Design and Manufacture, Selection, Application and Installation

305.4

NAIMA

North American Insulation Manufacturers Association
11 Canal Center Plaza, Suite 103
Alexandria, VA 22314

AH116—09: Fibrous Glass Duct Construction Standards
603.5, 603.9

NBBI

National Board of Boiler and Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, OH 43229-1183

NBIC—2017: National Board Inspection Code, Part 3
1003.3

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471

2—20: Hydrogen Technologies Code
502.16.1

30A—21: Code for Motor Fuel-dispensing Facilities and Repair Garages
304.6

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58—20: Liquefied Petroleum Gas Code
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69—19: Standard on Explosion Prevention Systems
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70—20: National Electrical Code
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606.3

80—19: Standard for Fire Doors and Other Opening Protectives
607.4.1.2

82—19: Incinerators and Waste and Linen Handling Systems and Equipment
601.1

85—19: Boiler and Combustion Systems Hazards Code
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91—20: Exhaust Systems for Air Conveying of Vapors, Gases, Mists and Noncombustible Particulate Solids
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96—21: Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations
507.1

99—21: Health Care Facilities Code
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105—19: Standard for Smoke Door Assemblies and Other Opening Protectives
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- 286—19: Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
602.2.1.6
- 704—17: Standard System for Identification of the Hazards of Materials for Emergency Response
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- 853—20: Standard on Installation of Stationary Fuel Cell Power Systems
924.1

NSF

NSF International
789 N. Dixboro Road P.O. Box 130140
Ann Arbor, MI 48105

- 14—2017: Plastic Piping System Components and Related Materials
301.4
- 358-1—2017: Polyethylene Pipe and Fittings for Water-based Ground-source “Geothermal” Heat Pump Systems
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SMACNA

Sheet Metal and Air Conditioning Contractors’ National Association, Inc.
4201 Lafayette Center Drive
Chantilly, VA 20151-1219

- ANSI/SMACNA 002—2011: Rectangular Industrial Duct Construction Standards, 2nd Edition
510.8.1
- ANSI/SMACNA 005—2013: Round Industrial Duct Construction Standards, 3rd Edition
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- ANSI/SMACNA 006—2020: HVAC Duct Construction Standards—Metal and Flexible, 4th Edition
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- ANSI/SMACNA 022—2015: SMACNA Phenolic Duct Construction Standards, 1st Edition (ANSI)
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- SMACNA—03—2021: Fibrous Glass Duct Construction Standards, 7th Edition
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UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062-2096

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803.6
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- 474—15: Standard for Dehumidifiers**
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- 484—14: Standard for Room Air Conditioners**
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