

CHAPTER 15

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.

ANSI

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

Standard reference number	Title	Referenced in code section number
A118.10—99	Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation	417.5.2.5, 417.5.2.6
Z4.3—95	Minimum Requirements for Nonsewered Waste-disposal Systems	311.1
Z21.22—99 (R2003)	Relief Valves for Hot Water Supply Systems with Addenda Z21.22a—2000 (R2003) and Z21.22b—2001 (R2003)	504.2, 504.4, 504.4.1
CSA B45.5—11/ IAPMO Z124—11	Plastic Plumbing Fixtures	407.1, 415.1, 416.1, 416.2, 417.1, 418.1, 419.1, 420.1

AHRI

Air-Conditioning, Heating, & Refrigeration Institute
4100 North Fairfax Drive, Suite 200
Arlington, VA 22203

Standard reference number	Title	Referenced in code section number
1010—02	Self-contained, Mechanically Refrigerated Drinking-Water Coolers	410.1

API

American Petroleum Institute
1220 L Street NW
Washington, DC 20005-4070

Standard reference number	Title	Referenced in code section number
12D—2008	Specification for Field Welded Tanks for Storage of Production Liquids, effective April 1, 2009	1302.7.2
12F—2008	Specification for Shop Welded Tanks for Storage of Production Liquids, effective April 1 2009	1302.7.2

ASME

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

Standard reference number	Title	Referenced in code section number
A112.1.2—2004	Air Gaps in Plumbing Systems	406.1, 409.2, Table 608.1, 608.13.1
A112.1.3—2000 (R2011)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	406.1, 409.2, Table 608.1, 608.13.1, 1102.6
A112.3.1—2007	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground.	412.1, Table 702.1, Table 702.2, Table 702.3, Table 702.4, Table 1102.4, Table 1102.5, 1102.6, Table 1102.7
ASME A112.3.4—2013/ CSA B45.9—2013	Macerating Toilet Systems and Related Components	712.4.1
A112.4.1—2009	Water Heater Relief Valve Drain Tubes	504.6

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ASME—continued

A112.4.2—2009	Water Closet Personal Hygiene Devices	424.9
A112.4.3—1999 (R2010)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	405.4
A112.4.14—2004 (R2010)	Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems	Table 605.7
A112.6.1M—1997 (R2008)	Floor-affixed Supports for Off-the-floor Plumbing Fixtures for Public Use	405.4.3
A112.6.2—2000 (R2010)	Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks	405.4.3
A112.6.3—2001 (R2007)	Floor and Trench Drains	412.1
A112.6.4—2003 (R2008)	Roof, Deck, and Balcony Drains	1102.6
A112.6.7—2010	Enameled and Epoxy-coated Cast-iron and PVC Plastic Sanitary Floor Sinks	427.1
A112.6.9—2005 (R2010)	Siphonic Roof Drains	1107.1
A112.14.1—2003	Backwater Valves	715.2
A112.14.3—2000	Grease Interceptors	1003.3.4
A112.14.4—2001 (Reaffirmed 2007)	Grease Removal Devices	1003.3.4
A112.14.6—2010	FOG (Fats, Oils and Greases) Disposal Systems	1003.3.4, 1003.3.6
A112.18.1—2012/ CSA B125.1—2012	Plumbing Supply Fittings	424.1, 424.2, 424.3, 424.4, 424.6, 424.8, 605.7, 607.4, 608.2
A112.18.2—2011/ CSA B125.2—2011	Plumbing Waste Fittings	424.1.2
A112.18.3—2002	FOG (Fats, Oils and Greases) Disposal Systems	1003.3.4, 1003.3.6
A112.14.6—2010 (Reaffirmed 2008)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	424.2, 424.6
A112.18.6/ CSA B125.6—2009	Flexible Water Connectors	605.6
A112.18.9—2011	Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures	404.3
A112.19.1/—2013	Enameled Cast Iron and Enameled Steel Plumbing Fixtures	407.1, 410.1, 415.1, 416.1, 418.1
CSA B45.2—2013	Ceramic Plumbing Fixtures	401.2, 405.9, 407.1, 408.1, 410.1, 415.1, 416.1, 417.1, 418.1, 419.1, 420.1
A112.19.2—2013/ CSA B45.1—13	Stainless Steel Plumbing Fixtures	405.9, 407.1, 415.1, 416.1, 418.1, 420.1
A112.19.3—2008/ CSA B45.4—08(R2013)	Flush Valves and Spuds for Water-closets, Urinals, and Tanks	425.4
A112.19.5/—2011 CSA B45.15—2011	Hydromassage Bathtub Systems	421.1, 421.4
A112.19.7M—2012/ CSA B45.10—2012	Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Systems	416.4, 418.3
A112.19.12—2006	Six-Liter Water Closets Equipped with a Dual Flushing Device	420.1
A112.19.14-2006(R2011)	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors	407.4, 421.6
A112.19.15—2005	Vitreous China Nonwater Urinals	419.1
A112.19.19—2006	Hydrants for Utility and Maintenance Use	Table 608.1, 608.13.6
A112.21.3-1985(R2007)	Cleanouts	708.1.10.2
A112.36.2M—1991 (R2008)	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings	424.3, 424.4, 607.4
ASSE 1016/ ASME A112.1016/ CSA B125.16-2011	Pipe Threads, General Purpose (inch)	605.10.3, 605.11.3, 605.13.4, 605.15.3, 605.18.1, 605.22.4, 705.2.3, 705.3.3, 705.6.4, 705.19.1, 705.11.3
B1.20.1—1983(R2006)	Malleable Iron Threaded Fittings Classes 150 and 300	Table 702.4, Table 1102.7
B16.3—2011	Gray Iron Threaded Fittings Classes 125 and 250	Table 605.5, Table 702.4, Table 1102.7
B16.4—2011	Factory-made Wrought Steel Butt welding Fittings	Table 605.5, Table 702.4, Table 1102.7
B16.9—2007	Forged Fittings, Socket-welding and Threaded	Table 605.5, Table 702.4, Table 1102.7
B16.11—2011	Cast-iron Threaded Drainage Fittings	Table 702.4, Table 1102.7
B16.12—2009	Cast Bronze Threaded Fittings	Table 605.5, Table 702.4, Table 1102.7
B16.15—2011	Cast Copper Alloy Solder Joint Pressure Fittings	Table 605.5, Table 702.4, Table 1102.7
B16.18—2012	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	Table 605.5, Table 702.4, Table 1102.7
B16.22—2001(R2010)	Cast Copper Alloy Solder Joint Drainage Fittings DWV	Table 702.4, Table 1102.7
B16.23—2011	Cast Copper Alloy Fittings for Flared Copper Tubes	Table 605.5, Table 702.4, Table 1102.7
B16.26—2011	Wrought Steel Butt welding Short Radius Elbows and Returns	Table 605.5, Table 702.4, Table 1102.7
B16.28—1994	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)	Table 702.4, Table 1102.7
B16.29—2012	Valves Flanged, Threaded and Welding End	Table 605.7
B16.34—2009	Copper and Copper Alloy Press-Connect Pressure Fittings	Table 605.5
B16.51—2011		

ASPE

American Society of Plumbing Engineers
8614 Catalpa Avenue, Suite 1007
Chicago, IL 60656-1116

Standard reference number	Title	Referenced in code section number
45—2013	Siphonic Roof Drainage Systems	1107.1

ASSE

American Society of Sanitary Engineering
901 Canterbury Road, Suite A
Westlake, OH 44145

Standard reference number	Title	Referenced in code section number
1001—08	Performance Requirements for Atmospheric Type Vacuum Breakers	425.2, Table 608.1, 608.13.6, 608.16.4.1
1002—08	Performance Requirements for Antisiphon Fill Valves (Ballcocks) for Gravity Water Closet Flush Tanks	425.3.1, Table 608.1
1003—09	Performance Requirements for Water Pressure Reducing Valves	604.8
1004—08	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines	409.1
1005—99	Performance Requirements for Water Heater Drain Valves	501.3
1008—06	Performance Requirements for Plumbing Aspects of Food Waste Disposer Units	413.1
1010—04	Performance Requirements for Water Hammer Arresters	604.9
1011—04	Performance Requirements for Hose Connection Vacuum Breakers	Table 608.1, 608.13.6
1012—09	Performance Requirements for Backflow Preventers with Intermediate Atmospheric Vent	Table 608.1, 608.13.3, 608.16.2
1013—09	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers	Table 608.1, 608.13.2, 608.16.2
1015—09	Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies	Table 608.1, 608.13.7
ASSE 1016/ ASME A112.1016/ CSA B125.16—2011	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings	424.3, 424.4, 607.4
1017—2010	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems	501.2, 613.1
1018—2010	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied	1002.4.1.2
1019—2010	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type	Table 608.1, 608.13.6, 608.13.10
1020—04	Performance Requirements for Pressure Vacuum Breaker Assembly	Table 608.1, 608.13.5
1022—03	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment	Table 608.1, 608.16.1, 608.16.10
1024—04	Performance Requirements for Dual Check Valve Type Backflow Preventers (for Residential Supply Service or Individual Outlets)	605.3.1, Table 608.1, 608.13.10
1035—08	Performance Requirements for Laboratory Faucet Backflow Preventers	Table 608.1, 608.13.6
1037—90	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	425.2
1044—2010	Performance Requirements for Trap Seal Primer Devices Drainage Types and Electronic Design Types	1002.4.1.3
1047—2009	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies	Table 608.1, 608.13.2
1048—2009	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies	Table 608.1, 608.13.7
1049—2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems	901.3, 918.8
1050—2009	Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems	918.1
1051—2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems—fixture and Branch Devices	918.1
1052—04	Performance Requirements for Hose Connection Backflow Preventers	Table 608.1, 608.13.6
1055—2009	Performance Requirements for Chemical Dispensing Systems	608.13.9
1056—2010	Performance Requirements for Spill Resistant Vacuum Breaker	Table 608.1, 608.13.5, 608.13.8
1060—2006	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components	608.14.1
1061—2010	Performance Requirements for Removable and Nonremovable Push Fit Fittings	Table 605.5
1062—2006	Performance Requirements for Temperature Actuated, Flow Reduction Valves to Individual Supply Fittings	424.7

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1066—2009	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings	604.11
1069—05	Performance Requirements for Automatic Temperature Control Mixing Valves	424.4
1070—04	Performance Requirements for Water-temperature Limiting Devices	408.3, 416.5, 423.3, 424.5, 607.1.2
1072—07	Performance Requirements for Barrier Type Floor Drain Tap Seal Protection Devices	1002.4.14
1079—2005	Performance Requirements for Dielectric Pipe Unions	605.24.1, 605.24.3
5013—2009	Performance Requirements for Testing Reduced Pressure Principle Backflow Prevention Assembly (RPA) and Reduced Pressure Fire Protection Backflow Preventers (RFP)	312.10.2
5015—2009	Performance Requirements for Testing Double Check Valve Backflow Prevention Assemblies (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF)	312.10.2
5020—2009	Performance Requirements for Testing Pressure Vacuum Breaker Assemblies (PVBA)	312.10.2
5047—98	Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDA)	312.10.2
5048—2009	Performance Requirements for Testing Double Check Valve Detector Assembly (DCDA)	312.10.2
5052—98	Performance Requirements for Testing Hose Connection Backflow Preventers	312.10.2
5056—98	Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB)	312.10.2

ASTM

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

Standard reference number	Title	Referenced in code section number
A53/A53M—12	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	Table 605.3, Table 605.4, Table 702.1
A74—13A	Specification for Cast-iron Soil Pipe and Fittings	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 708.2, 708.7, Table 1102.4, Table 1102.5, Table 1102.7
A312/A312M—13a	Specification for Seamless, Welded, And Heavily Cold Worked Austenitic Stainless Steel Pipes	Table 605.3, Table 605.4, Table 605.5, 605.23.2
A733—2003(2009)e1	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	Table 605.8
A778—01(2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	Table 605.3, Table 605.4, Table 605.5
A888—13A	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 708.7, Table 1102.4, Table 1102.5, Table 1102.7
B32—08	Specification for Solder Metal	605.13.3, 605.14.6, 705.6.3, 705.17.3
B42—10	Specification for Seamless Copper Pipe, Standard Sizes	Table 605.3, Table 605.4, Table 702.1
B43—09	Specification for Seamless Red Brass Pipe, Standard Sizes	Table 605.3, Table 605.4, Table 702.1
B75—11	Specification for Seamless Copper Tube	Table 605.3, Table 605.4, Table 702.1, Table 702.2, Table 702.3, Table 1102.4
B88—09	Specification for Seamless Copper Water Tube	Table 605.3, Table 605.4, Table 702.1, Table 702.2, Table 702.3, Table 1102.4
B152/B152M—13	Specification for Copper Sheet, Strip Plate and Rolled Bar	402.3, 417.5.2.4, 425.3.3, 902.2
B251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	Table 605.3, Table 605.4, Table 702.1, Table 702.2, Table 702.3, Table 1102.4
B302—12	Specification for Threadless Copper Pipe, Standard Sizes	Table 605.3, Table 605.4, Table 702.1
B306—09	Specification for Copper Drainage Tube (DWV)	Table 702.1, Table 702.2, Table 1102.4
B447—12a	Specification for Welded Copper Tube	Table 605.3, Table 605.4
B687—99(2011)	Specification for Brass, Copper and Chromium-plated Pipe Nipples	Table 605.8
B813—10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	605.13.3, 605.14.6, 705.6.3, 705.7.3
B828—02(2010)	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	605.13.3, 605.14.6, 705.6.3, 705.17.3
C4—04(2009)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	Table 702.3, Table 1102.4, Table 1102.5
C14—11	Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe	Table 702.3, Table 1102.4
C76—13a	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	Table 702.3, Table 1102.4
C425—04(2009)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	705.12, 705.16
C443—12	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	705.5, 705.16
C564—12	Specification for Rubber Gaskets for Cast-iron Soil Pipe and Fittings	705.4.2, 705.4.3, 705.16

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C700—13	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	Table 702.3, Table 702.4, Table 1102.4, Table 1102.5
C1053—00(2010)	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	Table 702.1, Table 702.4
C1173—10e1	Specification for Flexible Transition Couplings for Underground Piping System	705.2.1, 705.5, 705.11.1, 705.12, 705.13.2, 705.16
C1277—12	Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings	705.4.3
C1440—08	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems	705.16
C1460—08	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground	705.16
C1461—08	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use	705.19
C1540—11	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings	705.4.3
C1563—13	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping Applications	705.4.2
D1253—08	Standard Test Method For Residual Chlorine in Water	1301.2.1, 1303.9
D1527—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80	Table 605.3
D1785—12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	Table 605.3
D2235—04(2011)	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	605.10.2, 705.2.2, 705.2.2, 705.7.2
D2239—12a	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	Table 605.3
D2241—09	Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)	Table 605.3
D2282—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR)	Table 605.3
D2464—06	Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	Table 605.5
D2466—06	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	Table 605.5
D2467—06	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	Table 605.5
D2468—96a	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40	Table 605.5
D2564—12	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	605.22.3, 705.11.2, 705.14.2
D2609—02(2008)	Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe	Table 605.5
D2657—07	Practice for Heat Fusion-joining of Polyolefin Pipe and Fitting Waste, and Vent Pipe and Fittings	605.19.2, 705.13.1
D2661—11	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 705.2.2, 705.7.2, Table 1102.4, Table 1102.7
D2665—12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	Table 702.1, Table 702.2, Table 702.3, Table 702.4, Table 1102.4, Table 1102.7
D2672—96a(2009)	Specification for Joints for IPS PVC Pipe Using Solvent Cement	Table 605.3
D2683—10e1	Standard Specification for Socket-type Polyethylene fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing	Table 605.5, 717.5
D2729—11	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	Table 1102.5, Table 1403.2
D2737—2012a	Specification for Polyethylene (PE) Plastic Tubing	Table 605.3
D2751—05	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings	Table 702.3, Table 702.4, Table 1102.4, Table 1102.7
D2846/D2846M—09be1	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems	Table 605.3, Table 605.4, Table 605.5, 605.15.2, 605.16.2
D2855—96(2010)	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	605.22.3, 705.11.2
D2949—10	Specification for 3.25-in Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	Table 702.1, Table 702.2, Table 702.3, Table 702.4, Table 1102.7
D3034—08	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	Table 702.3, Table 702.4, Table 1102.4, Table 1102.5, Table 1102.7
D3035—2012e1	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	Table 605.3
D3139—98(2011)	Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals	605.10.1, 605.22.1

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D3212—07	Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals	705.2.1, 705.11.1, 705.13.2
D3261—12	Specification for Butt Heat Fusion Polyethylene (PE) Plastic fittings for Polyethylene (PE) Plastic Pipe and Tubing	Table 605.5
D3311—11	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	Table 1102.7
D4068—09	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-containment Membrane	417.5.2.2
D4551—12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane	417.5.2.1
E2635—08	Standard Practice for Water Conservation in Buildings Through In-Situ Water Reclamation	1304.3
E2727—10	Standard Practice for the Assessment of Rainwater Quality	1302.8.1
F405—05	Specification for Corrugated Polyethylene (PE) Pipe and Fittings.	Table 1102.5, Table 1403.2
F409—12	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	424.1.2, Table 1102.7
F437—09	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80.	Table 605.5
F438—09	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40.	Table 605.5
F439—12	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80.	Table 605.5
F441/F441M—13	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	Table 605.3, Table 605.4
F442/F442M—13	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	Table 605.3, Table 605.4
F477—10	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe	605.24, 705.16
F493—10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	605.15.2, 605.16.2
F628—08	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 705.2.2, Table 1102.4, Table 1102.7
F656—10	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	605.22.3, 705.11.2, 705.14.2
F714—2013	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter	Table 702.3, 717.4
F876—2013	Specification for Cross-linked Polyethylene (PEX) Tubing.	Table 605.3, Table 605.4
F877—2011a	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems	Table 605.3, Table 605.4, Table 605.5
F891—10	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core	Table 702.1 Table 702.2, Table 702.3, Table 1102.4, Table 1102.5, Table 1102.7
F1055—13	Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing	Table 605.5
F1281—11	Specification for Cross-linked Polyethylene/Aluminum/ Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe	Table 605.3, Table 605.4, Table 605.5, 605.21.1
F1282—10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe.	Table 605.3, Table 605.4, Table 605.5, 605.21.1
F1412—09	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage.	Table 702.1, Table 702.2, Table 702.4, 705.14.1, 901.3
F1476—07	Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications	Table 605.5, 605.14.3, 605.18.3, 605.22.2, 605.23.3
F1488—09e1	Specification for Coextruded Composite Pipe	Table 702.1, Table 702.2, Table 702.3, Table 1403.2
F1548—01(2006)	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	Table 605.5
F1673—10	Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 705.15.1
F1807—13	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 605.5
F1866—07	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings	Table 702.4, Table 1102.7
F1960—12	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for use with Cross-linked Polyethylene (PEX) Tubing.	Table 605.5
F1970—12	Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) OR Chlorinated Poly (Vinyl Chloride) (CPVC) Systems	Table 605.7
F1974—09	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe.	Table 605.5, 605.21.1

ASTM—continued

F1986—01(2011)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems	Table 605.3, Table 605.4, Table 605.5
F2080—12	Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe	Table 605.5
F2098—08	Standard specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal and Plastic Insert Fittings.	Table 605.5
F2159—11	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 605.5
F2262—09	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9	Table 605.3, Table 605.4
F2306/F2306M—13	12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications	Table 1102.4, Table 1102.7
F2389—10	Specification for Pressure-rated Polypropylene (PP) Piping Systems.	Table 605.3, Table 605.4, Table 605.5, Table 605.7, 605.20.1
F2434—09	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 605.5
F2735—09	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	Table 605.5
F2769—10	Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold Water Tubing and Distribution Systems	Table 605.3, Table 605.4, Table 605.5
F2831—11	Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used In Rehabilitation of Metallic Pressurized Piping Systems.	601.5
F2855—11	Specification Poly (Vinyl Chloride)/Aluminum/Poly (Vinyl Chloride) (CPVC/AL/CPVC) Composite Pressure Tubing	Table 605.3, Table 605.4

AWS

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

Standard reference number	Title	Referenced in code section number
A5.8M/A5.8—2011	Specifications for Filler Metals for Brazing and Braze Welding.	605.11.1, 605.13.1, 605.14.1, 705.3.1, 705.6.1, 705.7.1

AWWA

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

Standard reference number	Title	Referenced in code section number
C104/A21.4-08	Cement-mortar Lining for Ductile-iron Pipe and Fittings for Water.	605.3, 605.5
C110/A21.10—12	Ductile-iron and Gray-iron Fittings	Table 605.5, Table 702.4, Table 1102.7
C111/A21.11-12	Rubber-gasket Joints for Ductile-iron Pressure Pipe and Fittings	605.12
C115/A21.15—11	Flanged Ductile-iron Pipe with Ductile-iron or Gray-iron Threaded Flanges.	Table 605.3, Table 605.4
C151/A21.51—09	Ductile-iron Pipe, Centrifugally Cast for Water	Table 605.3, Table 605.4
C153—00/A21.53—11	Ductile-iron Compact Fittings for Water Service	Table 605.5
C500—09	Standard for Metal-Seated Gate Valves for Water Supply Service.	Table 605.7
C504—10	Standard for Rubber-Seated Butterfly Valves	Table 605.7
C507—11	Standard for Ball Valves, 6 In. Through 60 In.	Table 605.7
C510—07	Double Check Valve Backflow Prevention Assembly	Table 608.1, 608.13.7
C511—07	Reduced-pressure Principle Backflow Prevention Assembly	Table 608.1, 608.13.2, 608.16.2
C651—05	Disinfecting Water Mains	610.1
C652—11	Disinfection of Water-storage Facilities	610.1
C901—08	Polyethylene (PE) Pressure Pipe and Tubing 1/2 inch (13 mm) Through 3 inch (76 mm) for Water Service.	Table 605.3
C904—08	Cross-linked Polyethylene (PEX) Pressure Pipe 1/2 inch (13 mm) Through 3 inch (76 mm) for Water Service.	Table 605.3
D100—05	Standard for Welded Carbon Steel Tanks for Water Storage	1302.7.2
D115—06	Standard for Tendon Prestressed-Concrete Water Tanks	1302.7.2
D120—09	Standard for Thermosetting Fiberglass-Reinforced Plastic Tanks.	1302.7.2

REFERENCED STANDARDS

CISPI

Cast Iron Soil Pipe Institute
5959 Shallowford Road, Suite 419
Chattanooga, TN 37421

Standard reference number	Title	Referenced in code section number
301—04a	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications.	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 708.7, Table 1102.4, Table 1102.5, Table 1102.7
310—04	Specification for Coupling for Use in Connection with Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications.	705.4.3

CSA

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

Standard reference number	Title	Referenced in code section number
A257.1M—2009	Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings.	Table 702.3, Table 1102.4
A257.2M—2009	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	Table 702.3, Table 1102.4
A257.3M—2009	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets	705.5, 705.16
ASME A112.18.1—2012/ CSA B125.1—2012	Plumbing Supply Fittings	424.1, 424.2, 424.3, 424.4, 424.6, 424.8, 605.7, 607.4, 608.2
ASME A112.18.2—2011/ CSA B125.2—2011	Plumbing Waste Fittings.	424.1.2
ASME A112.19.2—2013/ B45.1—2013	Ceramic Plumbing Fixtures	401.2, 405.9, 407.1, 408.1, 410.1, 415.1, 416.1, 417.1, 418.1, 419.1, 420.1
ASME A112.19.1—2013/ CSA B45.2—2013	Enameled Cast-iron and Enameled Steel Plumbing Fixtures	407.1, 410.1, 415.1, 416.1, 418.1
ASME A112.19.3—2008/ CSA B45.4—08(R2013)	Stainless-steel Plumbing Fixtures	405.9, 407.1, 415.1, 416.1, 418.1, 420.1
ASME A112.19.5—2011/ CSA B45.15—2011	Flush Valves and Spuds for Water Closets, Urinals and Tanks	425.4
ASME A112.19.7—2012/ CSA B45.10—2012	Hydromassage Bathtub Systems.	421.1, 421.4
CSA B45.5—11/ IAPMO Z124-2011	Plastic Plumbing Fixtures	407.1, 415.1, 416.1, 416.2, 417.1, 419.1, 420.1
ASME A112.3.4—2013/ CSA B45.9—2013	Macerating Systems and Related Components.	712.4.1
ASSE 1016/ ASME A112.1016/ CSA B125.16—2011	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings	424.3, 424.4, 607.4
B64.1.1—11	Vacuum Breakers, Atmospheric Type (AVB)	425.2, Table 608.1, 608.13.6, 608.16.4.1
B64.1.2—11	Pressure Vacuum Breakers, (PVB).	Table 608.1, 608.13.5
B64.1.3—11	Spill Resistant Pressure Vacuum Breakers (SRPVB).	608.13.8
B64.2—11	Vacuum Breakers, Hose Connection Type (HCVB)	Table 608.1, 608.13.6
B64.2.1—11	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature	Table 608.1, 608.13.6
B64.2.1.1—11	Hose Connection Dual Check Vacuum Breakers, (HCDVB).	Table 608.1, 608.13.6
B64.2.2—11	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature	Table 608.1, 608.13.6
B64.3—11	Backflow Preventers, Dual Check Valve Type with Atmospheric Port (DCAP)	Table 608.1, 608.13.3, 608.16.2
B64.4—11	Backflow Preventers, Reduced Pressure Principle Type (RP)	Table 608.1, 608.13.2, 608.16.2
B64.4.1—11	Reduced Pressure Principle for Fire Sprinklers (RPF)	Table 608.1, 608.13.2
B64.5—11	Double Check Backflow Preventers (DCVA)	Table 608.1, 608.13.7
B64.5.1—11	Double Check Valve Backflow Preventer for Fire Systems (DCVAF)	Table 608.1 608.13.7
B64.6—11	Dual Check Backflow Preventers Valve (DuC)	605.3.1, Table 608.1, 608.13.10
B64.7—11	Laboratory Faucet Vacuum Breakers (LFVB)	Table 608.1, 608.13.6
B64.10—11	Manual for the Selection and Installation of Backflow Prevention Devices	312.10.2
B64.10.1—11	Maintenance and Field Testing of Backflow Preventers	312.10.2
B79—08(R2013)	Commercial and Residential Drains, and Cleanouts.	412.1
B125.3—2012	Plumbing Fittings	408.3, 416.5, 423.3, 424.4, 424.5, 425.2, 425.3.1, Table 605.7, Table 608.1

CSA—continued

B137.1—13	Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services.	Table 605.3, Table 605.5
B137.2—13	Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications.	Table 605.5
B137.3—13	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	Table 605.3 Table 605.5, 605.22.3, 705.11.2, 705.14.2
B137.5—13	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications	Table 605.3, Table 605.4, Table 605.5
B137.6—13	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems.	Table 605.3, Table 605.4, Table 605.5
B137.9—13	Polyethylene/Aluminum/ Polyethylene Composite Pressure Pipe Systems	Table 605.3, Table 605.5, 605.21.1
B137.10—13	Cross-linked Polyethylene/Aluminum/ Polyethylene Composite Pressure Pipe Systems	Table 605.3, Table 605.4, Table 605.5, 605.21.1
B137.11—13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications.	Table 605.3, Table 605.4, Table 605.5
B181.1—11	Acrylonitrile-butadiene-styrene ABS Drain, Waste and Vent Pipe and Pipe Fittings	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 705.2.2, 715.2, Table 1102.4, Table 1102.7
B 181.2—11	Polyvinylchloride PVC and chlorinated polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	Table 702.1 Table 702.2, 705.11.2, 705.14.2, 715.2
B 181.3—11	Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems	Table 702.1, Table 702.2, Table 702.3, Table 702.4, 705.14.1
B182.1—11	Plastic Drain and Sewer Pipe and Pipe Fittings.	705.11.2, 705.14.2, Table 1102.4, Table 1102.5
B182.2—11	PSM Type Polyvinylchloride PVC Sewer Pipe and Fittings.	Table 702.3, Table 1102.4, Table 1102.5
B182.4—11	Profile Polyvinylchloride PVC Sewer Pipe and Fittings	Table 702.3, Table 1102.4, Table 1102.5
B182.6—11	Profile Polyethylene (PE) Sewer Pipe and Fittings for Leak-proof Sewer Applications	Table 1102.5
B182.8—11	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	Table 1102.5
B356—10	Water Pressure Reducing Valves for Domestic Water Systems	604.8
B483.1—14	Drinking Water Treatment Units	611.1, 611.2
B481.1—12	Testing and Rating of Grease interceptors Using Lard	1003.3.4
B481.3—12	Sizing, Selection, Location and Installation of Grease Interceptors	1003.3.4
B602—10	Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe	705.2.1, 705.4.3, 705.5, 705.11.1, 705.12, 705.13.2, 705.16

IAPMO

IAPMO Group
4755 E. Philadelphia
Ontario, CA 91761

Standard reference number	Title	Referenced in code section number
Z1001-2007	Prefabricated Gravity Grease Interceptors.	1003.3.6
CSA B45.5—11/ IAPMO Z124-2011	Plastic Plumbing Fixtures	407.1, 415.1, 416.1, 416.2, 417.1, 419.1, 420.1

ICC

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

Standard reference number	Title	Referenced in code section number
A117.1—2009	Accessible and Usable Buildings and Facilities.	404.2
IBC—15	International Building Code®.	201.3, 307.1, 307.2, 307.3, 308.2, 309.1, 309.2, 310.1, 310.3, 315.1, 403.1, Table 403.1, 403.4, 404.1, 407.3, 417.6, 502.4, 606.5.2, 1106.5, 1301.9.4, 1307.7.2, 1303.6, 1402.1
IECC—15	International Energy Conservation Code®.	313.1, 607.5
IFC—15	International Fire Code®.	201.3, 1201.1
IFGC—15	International Fuel Gas Code®.	101.2, 201.3, 502.1, 502.1.1
IMC—15	International Mechanical Code®	201.3, 307.7, 310.1, 422.9, 502.1, 502.1.1, 612.1, 1202.1
IPSDC—15	International Private Sewage Disposal Code®.	701.2
IRC—15	International Residential Code®.	101.2

REFERENCED STANDARDS

ISEA

International Safety Equipment Association
1901 N. Moore Street, Suite 808
Arlington, VA 22209

Standard reference number	Title	Referenced in code section number
ANSI/ISEA Z358.1—2009	Emergency Eyewash and Shower Equipment	411.1

MSS

Manufacturers Standardization Society Of the Valve and Fittings Industry, Inc.
127 Park St. NE
Vienna, VA 22180-4602

Standard reference number	Title	Referenced in code section number
SP-67—2011	Butterfly Valves	Table 605.7
SP-70—2011	Gray Iron Gate Valves, Flanged and Threaded Ends	Table 605.7
SP-71—2011	Gray Iron Swing Check Valves, Flanged and Threaded Ends	Table 605.7
SP-72—2010	Ball Valves with Flanged or Butt-Welding Ends for General Service	Table 605.7
SP-78—2011	Cast Iron Plug Valves, Flanged and Threaded Ends	Table 605.7
SP-80—2008	Bronze Gate, Globe, Angle and Check Valves	Table 605.7
SP-110—2010	Ball Valves, Threaded, Socket Welded, Solder Joint, Grooved and Flared Ends	Table 605.7

NFPA

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

Standard reference number	Title	Referenced in code section number
51—13	Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes	1203.1
55—13	Compressed Gases and Cryogenic Fluids Code	1203.1
70—14	National Electric Code	502.1, 504.3, 1113.1.3
99—15	Health Care Facilities Code	1202.1

NSF

NSF International
789 Dixboro Road
Ann Arbor, MI 48105

Standard reference number	Title	Referenced in code section number
3—2010	Commercial Warewashing Equipment	409.1
14—2011	Plastic Piping System Components and Related Materials	303.3, 611.3
18—2012	Manual Food and Beverage Dispensing Equipment	426.1
42—2011	Drinking Water Treatment Units—Aesthetic Effects	611.1, 611.3
44—2012	Residential Cation Exchange Water Softeners	611.1, 611.3
50—2012	Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Facilities	1302.8.1
53—2011a	Drinking Water Treatment Units—Health Effects	611.1, 611.3
58—2012	Reverse Osmosis Drinking Water Treatment Systems	611.2, 611.3
61—2012	Drinking Water System Components—Health Effects	410.1, 424.1, 605.3, 605.4, 605.5, 605.7, 611.3
62—2012	Drinking Water Distillation Systems	611.1
350—2011	Onsite Residential and Commercial Water Reuse Treatment Systems	1302.6.1
359—2011	Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems	Table 605.7
372—2010	Drinking Water Systems Components—Lead Content	605.2.1

PDI

Plumbing and Drainage Institute
 800 Turnpike Street, Suite 300
 North Andover, MA 01845

Standard reference number	Title	Referenced in code section number
PDI G101 (2012)	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data	1003.3.4
PDI G102 (2009)	Testing and Certification for Grease Interceptors with Fog Sensing and Alarm Devices	1003.3.4

UL

UL LLC
 333 Pfingsten Road
 Northbrook, IL 60062-2096

Standard reference number	Title	Referenced in code section number
58—1996	Steel Underground Tanks for Flammable and Combustible Liquids— with revisions through July 27, 1998	1302.7.2
142—2006	Steel Aboveground Tanks for Flammable and Combustible Liquids— with revisions through February 12, 2010	1302.7.2
399—2008	Drinking-Water Coolers—with revisions through January 14, 2011	410.1
430—2009	Waste Disposers—with revisions through March 23, 2011	413.1
508—99	Industrial Control Equipment—with revisions through March 2013	314.2.3
1316—1994	Glass-Fiber Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols and Alcohol Gasoline Mixtures— with revisions through May 12, 2006	1302.7.2
1746—2007	External Corrosion Protection Systems for Steel Underground Storage Tanks	1302.7.2
1795—2009	Hydromassage Bathtubs including revisions through August 23, 2011	421.1