

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. Chapter 15 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 102.8.

ANSI

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

A118.10—14: Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation

421.5.2.5, 421.5.2.6

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

ASHRAE

ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

ASHRAE 18—2008 (RA13): Method of Testing for Rating Drinking-Water Coolers with Self-contained Mechanical Refrigeration (ANSI/ASHRAE Approved)

410.1

ASME

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

A112.1.2—2022: Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water Connection Receptors)

406.1, 409.2, Table 608.1, 608.14.1

A112.1.3—2000 (R2020): Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances

406.1, 409.2, Table 608.1, 608.14.1, 1102.6

A112.3.1—2007 (R2022): Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground

413.1, Table 702.1, Table 702.2, Table 702.3, Table 702.4, Table 1102.4, Table 1102.5, 1102.6, Table 1102.7

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

504.6

A112.4.2—2020/CSA B45.16—20: Water Closet Personal Hygiene Devices

412.9

A112.4.3—1999 (R2020): Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System

405.4

A112.4.4—2017: Plastic Push-Fit Drain, Waste, and Vent (DWV) Fittings

705.2.4

A112.4.14—2004 (R2019): Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems

Table 605.7

A112.6.1M—1997(R2017): Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use

405.4.3

REFERENCED STANDARDS

ASME—continued

- A112.6.2—2022: Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks**
405.4.3
- A112.6.3—2019: Floor and Trench Drains**
413.1
- A112.6.4—2003 (R2020): Roof, Deck, and Balcony Drains**
1102.6
- A112.6.7—2010 (R2020): Sanitary Floor Sinks**
414.1
- A112.6.9—2005 (R2020): Siphonic Roof Drains**
1107.1
- A112.14.1—2003 (R2022): Backwater Valves**
714.2
- A112.14.3—2021: Grease Interceptors**
1003.3.5
- A112.14.4—2001 (R2022): Grease Removal Devices**
1003.3.5
- A112.14.6—2010 (R2020): FOG (Fats, Oils and Greases) Disposal Systems**
1003.3, 1003.3.5, 1003.3.7
- A112.18.1—2020/CSA B125.1—2020: Plumbing Supply Fittings**
412.1, 412.2, 412.3, 412.4, 412.6, 412.8, Table 605.7, 607.4, 608.2
- A112.18.2—2019/CSA B125.2—19: Plumbing Waste Fittings**
412.1.2, 421.3.1
- A112.18.3—2002 (R2020): Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings**
412.2, 412.6
- A112.18.6—2021/CSA B125.6—21: Flexible Water Connectors**
605.6
- A112.19.1—2020/CSA B45.2—20: Enameled Cast Iron and Enameled Steel Plumbing Fixtures**
407.1, 410.1, 418.1, 419.1, 421.1, 422.1
- A112.19.2—2020/CSA B45.1—20: Ceramic Plumbing Fixtures**
401.2, 405.10, 407.1, 408.1, 410.1, 418.1, 419.1, 421.1, 422.1, 424.1, 425.1
- A112.19.3—2021/CSA B45.4—2021: Stainless Steel Plumbing Fixtures**
405.9, 407.1, 408.1, 410.1, 418.1, 419.1, 421.1, 425.1
- A112.19.5—2021/CSA B45.15—2021: Flush Valves and Spuds for Water Closets, Urinals, and Tanks**
415.4
- A112.19.7—2012/CSA B45.10—2012 (R2021): Hydromassage Bathtub Systems**
426.1, 426.4
- A112.19.12—2019: Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Waste Systems**
419.4
- A112.19.14—2013 (R2018): Six-liter Water Closets Equipped with a Dual Flushing Device**
425.1
- A112.19.15—2012 (R2017): Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors**
407.4, 426.6
- A112.19.19—2021: Vitreous China Nonwater Urinals**
424.1
- A112.21.3—1985 (R2017): Hydrants for Utility and Maintenance Use**
Table 608.1, 608.14.6
- A112.36.2M—1991 (R2017): Cleanouts**
708.1.11.2
- ASME A112.3.4—2020/CSA B45.9—20: Macerating Toilet Systems and Waste Pumping Systems for Plumbing Fixtures**
405.5, 712.4.1

ASME—continued

- ASSE 1002—2020/ASME A112.1002—2020/CSA B125.12—2020: Anti-Siphon Fill Valves for Water Closet Tanks**
415.3.1, Table 608.1
- ASSE 1016—2020/ASME A112.1016—2020/CSA B125.16—2020: Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations**
412.3, 412.4, 607.4
- ASSE 1037—2015/ASME A112.1037—2015/CSA B125.37—2015: Pressurized Flushing Devices for Plumbing Fixtures**
415.2
- ASSE 1070—2020/ASME A112.1070—2020/CSA B125.1070—20: Water Temperature Limiting Devices**
408.3, 412.5, 412.10, 419.5, 423.3, 607.1.2
- B1.20.1—2019: Pipe Threads, General Purpose (inch)**
605.10.3, 605.12.4, 605.14.3, 605.17.1, 705.2.3, 705.5.4, 705.8.1, 705.10.3
- B16.3—2021: Malleable Iron Threaded Fittings Classes 150 and 300**
Table 1102.7
- B16.4—2021: Gray Iron Threaded Fittings Classes 125 and 250**
Table 605.5, Table 702.4, Table 1102.7
- B16.9—2018: Factory-Made Wrought Steel Butt welding Fittings**
Table 605.5, Table 702.4, Table 1102.7
- B16.11—2021: Forged Fittings, Socket-Welding and Threaded**
Table 605.5, Table 702.4, Table 1102.7
- B16.12—2009 (R2019): Cast Iron Threaded Drainage Fittings**
Table 702.4, Table 1102.7
- B16.15—2018: Cast Alloy Threaded Fittings: Class 125 and 250**
Table 605.5, Table 702.4, Table 1102.7
- B16.18—2018: Cast Copper Alloy Solder Joint Pressure Fittings**
Table 605.5, Table 702.4, Table 1102.7
- B16.22—2018: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings**
Table 605.5, Table 702.4, Table 1102.7
- B16.23—2021: Cast Copper Alloy Solder Joint Drainage Fittings DWV**
Table 702.4, Table 1102.7
- B16.26—2018: Cast Copper Alloy Fittings for Flared Copper Tubes**
Table 605.5, Table 702.4, Table 1102.7
- B16.28—1994: Wrought Steel Butt welding Short Radius Elbows and Returns**
Table 605.5, Table 702.4, Table 1102.7
- B16.29—2017: Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)**
Table 702.4, Table 1102.7
- B16.34—2020: Valves—Flanged, Threaded and Welding End**
Table 605.7
- B16.51—2018: Copper and Copper Alloy Press-Connect Pressure Fittings**
Table 605.5

ASPE

American Society of Plumbing Engineers
6400 Shafer Ct., Suite 350
Rosemont, IL 60018-4914

- 45—2013: Siphonic Roof Drainage Systems**
1107.1
- ASPE/IAPMO Z1034—2015: Test Method for Evaluating Roof Drain Performance**
1102.6

- 1001—2017: Performance Requirements for Atmospheric Type Vacuum Breakers**
415.2, Table 608.1, 608.14.6, 608.17.4.1
- 1003—09: Performance Requirements for Water Pressure Reducing Valves**
604.8
- 1004—2016: Performance 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—2016: Performance Requirements for Hose Connection Vacuum Breakers**
Table 608.1, 608.14.6
- 1012—09: Performance Requirements for Backflow Preventers with Intermediate Atmospheric Vent**
Table 608.1, 608.14.3, 608.17.2, 608.17.10
- 1013—2011: Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers**
Table 608.1, 608.14.2, 608.17.2
- 1015—2017: Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies**
607.1.2, Table 608.1, 608.14.7
- 1017—2009: Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems**
501.2, 613.1
- 1018—2001: Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied**
1002.4.1.2
- 1019—2011 (R2016): Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type**
Table 608.1, 608.14.6
- 1020—04: Performance Requirements for Pressure Vacuum Breaker Assembly**
Table 608.1, 608.14.5
- 1022—2017: Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment**
Table 608.1, 608.17.1.1, 608.17.1.2
- 1024—2017: Performance Requirements for Dual Check Valve Type Backflow Preventers, Anti-siphon-type, Residential Applications**
605.3.1, Table 608.1, 608.14.9, 608.17.1.2
- 1035—08: Performance Requirements for Laboratory Faucet Backflow Preventers**
Table 608.1, 608.14.6
- 1044—2015: Performance Requirements for Trap Seal Primer Devices—Drainage Types and Electronic Design Types**
1002.4.1.3
- 1047—2011: Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies**
Table 608.1, 608.14.2
- 1048—2011: Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies**
Table 608.1, 608.14.7
- 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**
918.1

ASSE—continued

- 1052—2016: Performance Requirements for Hose Connection Backflow Preventers**
Table 608.1, 608.14.6
- 1055—2018: Performance Requirements for Chemical Dispensing Systems**
608.14.8
- 1056—2013: Performance Requirements for Spill Resistant Vacuum Breaker**
Table 608.1, 608.14.5
- 1060—2017: Performance Requirements for Outdoor Enclosures for Fluid Conveying Components**
608.15.1
- 1061—2015: Performance Requirements for Push Fit Fittings**
Table 605.5, 605.14.4, 605.16.3
- 1062—2017: Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves to Individual Supply Fittings**
412.7
- 1064—2006 (R2011): Performance Requirements for Backflow Prevention Assembly Field Test Kits**
312.10.2
- 1066—1997: 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**
412.4
- 1071—2012: Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment**
411.3, 412.10, 412.5, 419.5, 423.3, 607.1.2
- 1072—07: Performance Requirements for Barrier Type Floor Drain Tap Seal Protection Devices**
1002.4.1.4
- 1079—2005: Performance Requirements for Dielectric Pipe Unions**
605.23.1, 605.23.3
- 1081—2014: Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems**
608.14.3, 608.17.2
- 1082—2018: Performance Requirements for Water Heaters with Integral Temperature Control Devices for Hot Water Distribution Systems.**
412.10, 607.1.1
- 1084—2018: Performance Requirements for Water Heaters with Temperature Limiting Capacity**
412.5, 607.1.2
- 1085—2018: Performance Requirements for Water Heaters for Emergency Equipment**
411.3, 607.1.1, 607.1.2
- 5013—2015: Performance Requirements for Testing Reduced Pressure Principle Backflow Prevention Assembly (RPA) and Reduced Pressure Fire Protection Backflow Preventers (RFP)**
312.10.2
- 5015—2015: Performance Requirements for Testing Double Check Valve Backflow Prevention Assemblies (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF)**
312.10.2
- 5020—2015: Performance Requirements for Testing Pressure Vacuum Breaker Assemblies (PVBA)**
312.10.2
- 5047—2015: Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDA)**
312.10.2
- 5048—2015: 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—2015: Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB)**
312.10.2
- ASSE 1002—2020/ASME A112.1002—2020/CSA B125.12—2020: Anti-Siphon Fill Valves for Water Closet Tanks**
415.3.1, Table 608.1

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- ASSE 1016—2020/ASME A112.1016—2020/CSA B125.16—2020: Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations**
412.3, 412.4, 607.4
- ASSE 1037—2015/ASME A112.1037—2015/CSA B125.37—15: Pressurized Flushing Devices for Plumbing Fixtures**
415.2
- ASSE 1070—2020/ASME A112.1070—2020/CSA B125.1070—20: Water Temperature Limiting Devices**
408.3, 412.5, 412.10, 419.5, 423.3, 607.1.2

ASTM

ASTM International
100 Barr Harbor Drive, P.O. Box C700
West Conshohocken, PA 19428-2959

- A53/A53M—2018: Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless**
Table 605.3, Table 605.4, Table 702.1
- A74—17: Specification for Cast-iron Soil Pipe and Fittings**
Table 702.1, Table 702.2, Table 702.3, Table 702.4, 708.1.6, Table 1102.4, Table 1102.5, Table 1102.7
- A269/A269M-15a: Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service**
Table 605.3
- A312/A312M—2018: Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes**
Table 605.3, Table 605.4, Table 605.5, 605.22.2
- A733—16: Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples**
Table 605.8
- A778/A778M—16: Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products**
Table 605.3, Table 605.4, Table 605.5
- A888—2018: 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, Table 1102.4, Table 1102.5, Table 1102.7
- B32—08(2014): Specification for Solder Metal**
605.12.3, 605.13.6, 705.5.3, 705.6.1
- B42—15a: Specification for Seamless Copper Pipe, Standard Sizes**
Table 605.3, Table 605.4, Table 702.1
- B43—15: Specification for Seamless Red Brass Pipe, Standard Sizes**
Table 605.4, Table 702.1
- B75/B75M—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—2016: 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, 415.3.3, 902.2
- B251/B251M—2017: 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—17: Specification for Threadless Copper Pipe, Standard Sizes**
Table 605.3, Table 605.4, Table 702.1
- B306—13: 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—1999(2016): Specification for Brass, Copper and Chromium-plated Pipe Nipples**
Table 605.8
- B813—16: Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube**
605.12.3, 605.13.6, 705.5.3, 705.6.1
- B828—2016: Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings**
605.12.3, 605.13.6, 705.5.3, 705.6.1

ASTM—continued

- C4—04(2018): Specification for Clay Drain Tile and Perforated Clay Drain Tile**
Table 702.3, Table 1102.4, Table 1102.5
- C14—15a: Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe**
Table 702.3, Table 1102.4
- C76—2018A: Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe**
Table 702.3, Table 1102.4
- C425—2004(2018): Specification for Compression Joints for Vitrified Clay Pipe and Fittings**
705.11, 705.16
- C443—2012(2017): Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets**
705.4, 705.16
- C564—14: Specification for Rubber Gaskets for Cast-iron Soil Pipe and Fittings**
705.3.2, 705.3.3, 705.16
- C700—2018: Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated**
Table 702.3, Table 702.4, Table 1102.4, Table 1102.5
- C1053—2000(2015): Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications**
Table 702.1, Table 702.4
- C1173—2018: Specification for Flexible Transition Couplings for Underground Piping System**
705.2.1, 705.5, 705.10.1, 705.11, 705.12.2, 705.16
- C1277—2018: Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings**
705.3.3
- C1440—2017: Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems**
705.16
- C1460—2017: Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground**
705.16
- C1461—2008(2017): 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—2018: Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings**
705.3.3
- C1563—2008(2017): 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**
705.3.2
- D1253—14: 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—2015E1: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120**
Table 605.3
- D2235—2004(2016): Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings**
605.10.2, 705.2.2
- D2239—12a: Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter**
Table 605.3
- D2241—15: 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—15: Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80**
Table 605.5, 605.21.3
- D2466—2017: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40**
Table 605.5
- D2467—15: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80**
Table 605.5

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- D2468—96a: Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40**
Table 605.5
- D2564—2012(2018): Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems**
605.21.3, 705.10.2, 705.14.2
- D2609—15: Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe**
Table 605.5
- D2657—2007(2015): Practice for Heat Fusion-joining of Polyolefin Pipe and Fitting Waste, and Vent Pipe and Fittings**
605.18.2, 705.12.1
- D2661—14E1: 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, Table 1102.4, Table 1102.7
- D2665—2014: 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—14: Specification for Joints for IPS PVC Pipe Using Solvent Cement**
Table 605.3
- D2680—01(2014): Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping**
Table 702.3
- D2683—14: Standard Specification for Socket-type Polyethylene Fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing**
Table 605.5, Table 702.4, 716.5
- D2729—2017: 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 1102.7
- D2846/D2846M—2017BE1: Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems**
Table 605.3, Table 605.4, Table 605.5, 605.14.2, 605.15.2
- D2855—2015: Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings**
605.21.3, 705.10.2
- 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—2016: 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—15: Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter**
Table 605.3
- D3138—2016: Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-pressure Piping Components**
705.16.4
- D3139—98(2011): Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals**
605.10.1, 605.22.1
- D3212—07(2013): Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals**
705.2.1, 705.10.1, 705.12.2, 705.15
- D3261—2016: Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing**
Table 605.5
- D3311—2017: Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns**
Table 1102.7
- D4068—2017: Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-containment Membrane**
421.5.2.2
- D4551—2017: Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane**
421.5.2.1
- E2635—14: Standard Practice for Water Conservation Through In-Situ Water Reclamation**
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- F442/F442M—13e1: Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)**
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- F628—2012E2: Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core**
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- F656—2015: Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings**
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- F667/F667M—2016: Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings**
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- F891—2016: Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core**
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- F1055—2016A: Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Cross-linked Polyethylene Pipe and Tubing**
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- F1282—2017: Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe**
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- F1412—2016: Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage**
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- F1488—2014E1: Specification for Coextruded Composite Pipe**
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- F1866—2018: Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings**
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- F1974—09(2015): Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe**
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- F1986—2001(2011): Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems**
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- F2080—2016: Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe**
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- F2098—2015: Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Fittings**
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- F2306/F2306M—2018: 12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications**
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- F2389—2017A: Specification for Pressure-rated Polypropylene (PP) Piping Systems**
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718.1
- F2599—16: Standard Practice for The Sectional Repair of Damaged Pipe by Means of an Inverted Cured-in-Place Liner**
718.1
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- F2769—2018: Polyethylene or Raised Temperature (PE-RT) Plastic Hot- and Cold-water Tubing and Distribution Systems**
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- F2831—2012(2017): Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used in Rehabilitation of Metallic Pressurized Piping Systems**
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- F3226/F3226M—16: Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems**
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- F3240—17: Standard Practice for Installation of Seamless Molded Hydrophilic Gaskets (SMHG) for Long Term Watertightness of Cured-in-Place Rehabilitation of Main and Lateral Pipelines**
 718.1

AWS

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

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AWWA

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

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- C504—15: Standard for Rubber-Seated Butterfly Valves**
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- C507—15: Standard for Ball Valves, 6 In. Through 60 in. (150 mm through 1,500 mm).**
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- C510—17: Double Check Valve Backflow Prevention Assembly**
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CISPI

Cast Iron Soil Pipe Institute
2401 Fieldcrest Dr.
Mundelein, IL 60060

- 301—18: Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications**
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- 310—18: 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**
705.3.3

CSA

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

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- A257.2—14: Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings**
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- A257.3—14: Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets**
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- B182.2—18: PSM Type Polyvinylchloride PVC Sewer Pipe and Fittings**
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1301.1

IAPMO

IAPMO Group
4755 E. Philadelphia Street
Ontario, CA 91761 USA

ASPE/IAPMO Z1034—2015: Test Method for Evaluating Roof Drain Performance
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1003.3.7

ICC

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

- CSA B805—18/ICC 805—2018: Rainwater Harvesting Systems**
1301.1
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102.2.1
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- IFGC—21: International Fuel Gas Code®**
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- IMC—21: International Mechanical Code®**
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- IPSDC—21: International Private Sewage Disposal Code®**
701.2
- IRC—21: International Residential Code®**
101.2

ISEA

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

- ANSI/ISEA Z358.1—2014: 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

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- SP-70—2013: Gray Iron Gate Valves, Flanged and Threaded Ends**
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Table 605.7

NFPA

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

51—18: Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes

1203.1

55—19: Compressed Gases and Cryogenic Fluids Code

1203.1

70—20: National Electrical Code

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99—21: Health Care Facilities Code

1202.1

NGWA

National Ground Water Association
601 Dempsey Road
Westerville, OH 43081

NGWA/ANSI 01—14: Water Well Construction Standard

602.3.1

NSF

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

3—2017: Commercial Warewashing Equipment

409.1

14—2018: Plastic Piping System Components and Related Materials

303.3, 611.3

18—2016: Manual Food and Beverage Dispensing Equipment

426.1

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611.1, 611.3

44—2018: Residential Cation Exchange Water Softeners

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61—2018: Drinking Water System Components—Health Effects

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62—2017: Drinking Water Distillation Systems

611.1

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605.2.1

PDI

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

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1003.3.5

PSAI

Portable Sanitation Association International
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- PSAI/ANSI Z4.3—16: Minimum Requirements for Nonsewered Waste-disposal Systems**
311.1

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- 399—2017: Drinking-Water Coolers—with revisions through August 2018**
410.1
- 430—2015: Waste Disposers—with revisions through February 2018**
416.1
- 508—2018: Industrial Control Equipment**
314.2.3
- 1795—2016: Hydromassage Bathtubs—with revisions through December 2017**
426.1