

## REFERENCED STANDARDS

**User notes:****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 PLUMBING, 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.*

## **AISI** *American Iron and Steel Institute, 25 Massachusetts Avenue, NW Suite 800, Washington, DC 20001*

### **S220-20: North American Standard for Cold-Formed Steel Nonstructural Framing**

307.3

### **S240-20: North American Standard for Cold-Formed Steel Structural Framing, 2020**

307.3

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

### **A118.10—(R2019): Standard Specifications for Load-bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation**

421.5.2.5, 421.5.2.6

### **ANSI Z21.22—2015 (R2020)/CSA 4.4-2015 (R2020): Relief Valves for Hot Water Supply Systems**

504.2, 504.4, 504.4.1

## **ASHRAE** *ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092*

### **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—2012(R2017): 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 (R2024): 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 (R2017): 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—2024: Water Heater Relief Valve Drain Tubes**

504.6

### **A112.4.2—2021/CSA B45.16—2021: Water Closet Personal Hygiene Devices**

412.9

### **A112.4.3—2024: Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System**

405.4

### **A112.4.4—2022: Plastic Push-Fit Drain, Waste, and Vent (DWV) Fittings**

705.2.5

### **A112.4.14—2022/CSA B125.14—22: Manually or Automatically Operated Valves for Use in Plumbing Systems**

Table 605.7

### **A112.6.1M —2022: Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use**

405.4.3

### **A112.6.2—2017 (R2022): Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks**

405.4.3

- A112.6.3—2022: Floor and Trench Drains**  
413.1
- A112.6.4—2003 (R2020): Roof, Deck, and Balcony Drains**  
1102.6
- A112.6.7—2010 (R2024): Sanitary Floor Sinks**  
414.1
- A112.6.9—2005 (R2024): Siphonic Roof Drains**  
1107.1
- A112.14.1—2003 (R2022): Backwater Valves**  
714.2
- A112.14.3—2023: Grease Interceptors**  
1003.3.5
- A112.14.4—2001 (R2022): Grease Removal Devices**  
1003.3.5
- A112.14.6—2010 (R2024): FOG (Fats, Oils and Greases) Disposal Systems**  
1003.3, 1003.3.5, 1003.3.7
- A112.18.1—2023/CSA B125.1—2023: 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—2023/CSA B125.2—2023: Plumbing Waste Fittings**  
412.1.2, 421.3.1
- A112.18.3—2002 (R2022): 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
- A112.18.9—2011 (2017): Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures**  
404.3
- A112.19.1—2022/CSA B45.2—2022: Enameled Cast Iron and Enameled Steel Plumbing Fixtures**  
407.1, 410.1, 418.1, 419.1, 421.1, 422.1
- A112.19.2—2021/CSA B45.1—2021: 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—2022/CSA B45.15—2022: Flush Valves and Spuds for Water Closets, Urinals, and Tanks**  
415.4
- A112.19.7—2023/CSA B45.10—2023: Hydromassage Bathtub Systems**  
426.1, 426.4
- A112.19.12—2024: 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 (R2023): Six-liter Water Closets Equipped with a Dual Flushing Device**  
425.1
- A112.19.15—2012 (R2022): Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors**  
407.4, 426.6
- A112.19.19—2021: Vitreous China Nonwater Urinals**  
424.1
- A112.21.3—2022: Hydrants for Utility and Maintenance Use**  
Table 608.1, 608.14.6
- A112.36.2M—1991 (R2022): Cleanouts**  
708.1.11.2
- ASME A112.3.4—2022/CSA B45.9—2022: Macerating Toilet Systems and Waste Pumping Systems for Plumbing Fixtures**  
405.5, 712.4.1
- 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—2021/ASME A112.1016—2021/CSA B125.16—2021: 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: Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures**

415.2

**ASSE 1070—2020/ASME A112.1070—2020/CSA B125.1070—20: Performance Requirements for Water Temperature Limiting Devices**

408.3, 412.5, 412.10, 419.5, 423.3, 607.1.2

**B1.20.1—2023: 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**

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**B16.4—2016: Gray Iron Threaded Fittings Classes 125 and 250**

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**B16.9—2023: 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—2024: Cast Iron Threaded Drainage Fittings**

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**B16.15—2023: Cast Alloy Threaded Fittings: Classes 125 and 250**

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**B16.18—2023: Cast Copper Alloy Solder Joint Pressure Fittings**

Table 605.5, Table 702.4, Table 1102.7

**B16.22—2023: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings**

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**B16.23—2016: Cast Copper Alloy Solder Joint Drainage Fittings DWV**

Table 702.4, Table 1102.7

**B16.26—2023: Cast Copper Alloy Fittings for Flared Copper Tubes**

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**B16.28—1994: Wrought Steel Butt welding Short Radius Elbows and Returns**

Table 605.5, Table 702.4, Table 1102.7

**B16.29—2022: Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)**

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**B16.34—2023: Valves—Flanged, Threaded and Welding End**

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**B16.51—2018: Copper and Copper Alloy Press-Connect Pressure Fittings**

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

**45—2018: Siphonic Roof Drainage**

1107.1

**ASPE/IAPMO Z1034—2015 (R2020): Test Method for Evaluating Roof Drain Performance**

1102.6

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

**1001—2017: Performance Requirements for Atmospheric Type Vacuum Breakers**

415.2, Table 608.1, 608.14.6, 608.17.4.1

**1004—2017: Performance Requirements for Commercial Dishwashing Machines**

409.1

**1005—1999: Performance Requirements for Water Heater Drain Valves  $\frac{3}{4}$  Inch Size**

501.3

- 1008—2020: Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units**  
413.1
- 1010—2004: Performance Requirements for Water Hammer Arresters**  
604.9
- 1011—2017: Performance Requirements for Hose Connection Vacuum Breakers**  
Table 608.1, 608.14.6
- 1012—2009: Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent**  
Table 608.1, 608.14.3, 608.17.2, 608.17.10
- 1013 —2021: Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies**  
Table 608.1, 608.14.2, 608.17.2
- 1014—2020: Performance Requirements for Backflow Prevention Devices for Hand-held Showers**  
412.2
- 1015—2021: Performance Requirements for Double Check 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 (R: 2021): Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied**  
1002.4.1.2,
- 1019—2011 (R2016): Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance**  
Table 608.1, 608.14.6
- 1020—2020: Performance Requirements for Pressure Vacuum Breaker Assembly**  
Table 608.1, 608.14.5
- 1022—2021: Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment**  
Table 608.1, 608.17.1.1, 608.17.1.2
- 1023—2020: Performance Requirements for Electrically Heated or Cooled Water Dispensers**  
412.12
- 1024—2021: Performance Requirements for Dual Check Backflow Preventers**  
605.3.1, Table 608.1, 608.14.9, 608.17.1.2
- 1035— 2020: Performance Requirements for Laboratory Faucet Backflow Preventers**  
Table 608.1, 608.14.6
- 1044—2015 (R2020): Performance Requirements for Trap Seal Primer—Drainage Types and Electronic Design Types**  
1002.4.1.3
- 1047— 2021: Performance Requirements for Reduced Pressure Detector Backflow Prevention Assemblies**  
Table 608.1, 608.14.2
- 1048— 2021: Performance Requirements for Double Check Detector Backflow Prevention Assemblies**  
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- 1049—2021: Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems**  
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- 1050—2021: Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems**  
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- 1051—2021: Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems**  
918.1
- 1052—2016: Performance Requirements for Hose Connection Backflow Preventers**  
Table 608.1, 608.14.6
- 1056—2013 (R2021): Performance Requirements for Spill Resistant Vacuum Breaker Assemblies**  
Table 608.1, 608.14.5
- 1060—2017 (R2021): Performance Requirements for Outdoor Enclosures for Fluid Conveying Components**  
608.15.1
- 1061—2020: Performance Requirements for Push-Fit Fittings**  
Table 605.5, 605.14.4, 605.16.3
- 1062—2021: Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings**  
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- 1064—2020: Performance Requirements for Backflow Prevention Assembly Field Test Kits**  
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- 1066—1997: Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings**  
604.11
- 1069—2020: Performance Requirements for Automatic Temperature Control Mixing Valves**  
412.4
- 1071—2012 (R2021): Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment**  
411.3, 412.5, 412.10, 419.5, 423.3, 607.1.2
- 1072—2020: Performance Requirements for Trap Seal Protection for Floor Drains**  
1002.4.1.4
- 1079—2012 (R: 2021): Performance Requirements for Dielectric Pipe Unions**  
605.23.1, 605.23.3
- 10812014 (R2020): 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 Reduced Pressure Principle Backflow Preventers (RPA) and Reduced Pressure Principle Fire Protection Backflow Preventers (RFP)**  
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- 5015—2015: Performance Requirements for Testing Double Check Valve Backflow Prevention Assemblies (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF)**  
312.11.2
- 5020—2015: Performance Requirements for Testing Pressure Vacuum Breaker Assemblies (PVB)**  
312.11.2
- 5047—2015: Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDF)**  
312.11.2
- 5048—2015: Performance Requirements for Testing Double Check Detector Fire Protection Backflow Prevention Assemblies (DCDF)**  
312.11.2
- 5052—98: Performance Requirements for Testing Hose Connection Backflow Preventers**  
312.11.2
- 5056—2015: Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB)**  
312.11.2
- 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
- ASSE 1003—2020: Performance Requirements for Water-pressure-reducing Valves for Domestic Water Distribution Systems**  
604.8
- 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: Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures**  
415.2
- ASSE 1070—2020/ASME A112.1070—2020/CSA B125.1070—20: Performance Requirements for Water Temperature Limiting Devices**  
408.3, 412.5, 412.10, 419.5, 423.3, 607.1.2
- ASSE/IAPMO 1055— 2020: Performance Requirements for Chemical Dispensing Systems with Integral Backflow Protection**  
608.14.8

**ASTM**

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

**A53/A53M—2020: Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless**

Table 605.3, Table 605.4, Table 702.1

**A74—2021: Specification for Cast Iron Soil Pipe and Fittings**

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**A269/A269M—2015A(2019): Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service**

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**A312/A312M—21: Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes**

Table 605.3, Table 605.4, Table 605.5, 605.22.2

**A518/A518M—99(2018): Standard Specification for Corrosion-Resistant High-Silicon Iron Castings**

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**A733—16: Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples**

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**A778/A778M—16(2021): Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products**

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**A888—21a: Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application**

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**B32—20: Specification for Solder Metal**

605.12.3, 605.13.6, 705.5.3, 705.6.1

**B42—20: Specification for Seamless Copper Pipe, Standard Sizes**

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**B43—20: Specification for Seamless Red Brass Pipe, Standard Sizes**

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**B75/B75M—20: Specification for Seamless Copper Tube**

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**B88—20: Standard Specification for Seamless Copper Water Tube**

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**B152/B152M—19: Standard Specification for Copper Sheet, Strip Plate, and Rolled Bar**

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**B251/B251M—2017: Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube**

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**B302—17: Specification for Threadless Copper Pipe, Standard Sizes**

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**B306—20: Specification for Copper Drainage Tube (DWV)**

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**B447—12a(2021): Specification for Welded Copper Tube**

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**B687—1999(2016): Specification for Brass, Copper and Chromium-plated Pipe Nipples**

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**B813—2016: Specification for Liquid and Paste Fluxes for Soldering Applications 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

**C4—04(2018): Specification for Clay Drain Tile and Perforated Clay Drain Tile**

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**C14—20: Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe**

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**C76—22: Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe**

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**C425—21: Specification for Compression Joints for Vitrified Clay Pipe and Fittings**

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- C443—21: Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets**  
705.4, 705.16
- C564—20a: 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—20: Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings**  
705.3.3
- C1440—21: Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems**  
705.16
- C1460—21: Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground**  
705.16
- C1461—21: 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—20: Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings**  
705.3.3
- C1563—2008(2021): 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
- C1822-2015: Standard Specification for Insulating Covers on Accessible Lavatory Piping**  
404.3
- D1253—14(2021)e1: 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—21a: Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120**  
Table 605.3
- D2235—2021: Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings**  
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- D2239—12a: Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter**  
Table 605.3,
- D2241—20: Standard 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**  
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- D2466—21: Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40**  
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- D2467—20: Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80**  
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- D2468—96a: Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40**  
Table 605.5
- D2564—20: Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems**  
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- D2609—21: Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe**  
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- D2657—2007(2015): Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings**  
605.18.2, 705.12.1
- D2661— 21: 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—20: 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—20e1: Specification for Joints for IPS PVC Pipe Using Solvent Cement**  
Table 605.3
- D2680—20: Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping**  
Table 702.3
- D2683—20: Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing**  
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- D2729—17: Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings**  
Table 1102.5, Table 1403.2
- D2737—21: Standard Specification for Polyethylene (PE) Plastic Tubing**  
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- D2751—05: Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings**  
Table 702.3, Table 702.4, Table 1102.7
- D2846/D2846M—19a: Standard 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—20: Standard Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets**  
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- D2949—18: Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings**  
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## **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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**CISPI** *Cast Iron Soil Pipe Institute, 2401 Fieldcrest Dr., Mundelein, IL 60060*

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

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**IAPMO** IAPMO Group, 4755 E. Philadelphia Street, Ontario, CA 91761 USA  
**ANSI/CAN/IAPMO Z1001—2021: Prefabricated Gravity Grease Interceptors**  
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## **ICC** *International Code Council, Inc., 200 Massachusetts Avenue, NW, Suite 250, Washington, DC 20001*

**CSA B805— 22/ICC 805—2022: Rainwater Harvesting Systems**

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102.2.1

**IECC—24: International Energy Conservation Code®**

313.1, 607.2.2, 607.5

**IFC—24: International Fire Code®**

201.3, 1201.1

**IFGC—24: International Fuel Gas Code®**

101.2, 201.3, 502.1, 502.1.1

**IMC—24: International Mechanical Code®**

201.3, 307.7, 310.1, 502.1, 502.1.1, 612.1, 1202.1

**IPSDC—24: International Private Sewage Disposal Code®**

701.2

**IRC —24: 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*

**SP-67—2022: Butterfly Valves**

Table 605.7

**SP-70—2023: 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—2023: Ball Valves with Flanged or Butt-welding Ends for General Service**

Table 605.7

**SP-78—2023: Cast Iron Plug Valves, Flanged and Threaded Ends**

Table 605.7

**SP-80—2019: Bronze Gate, Globe, Angle and Check Valves**

Table 605.7

**SP-110—2023: Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends (incl. a 2010 Errata Sheet)**

Table 605.7

**SP-122—2023: Plastic Industrial Ball Valves**

Table 605.7

**SP-139—2022: Copper Alloy Gate, Globe, Angle and Check Valves for Low Pressure/Low Temperature Plumbing Applications**

Table 605.7

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

**51—23: Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting and Allied Processes**

1203.1

**55—23: Compressed Gases and Cryogenic Fluids Code**

1203.1

**70—23: National Electrical Code**

502.1, 504.3, 1113.1.3

**99—24: Health Care Facilities Code**

1202.1

## **NGWA** *National Ground Water Association, 601 Dempsey Road, Westerville, OH 43081*

**ANSI/NGWA 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—2019: Commercial Warewashing Equipment**

409.1

**14—2020: Plastic Piping System Components and Related Materials**

303.3, 611.3

**18—2020: Manual Food and Beverage Dispensing Equipment**

426.1

**42—2021: Drinking Water Treatment Units—Aesthetic Effects**

611.1, 611.3

**44—2017: Residential Cation Exchange Water Softeners**

611.1, 611.3

**50—2020: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Facilities**

1302.8.1

**53—2020: Drinking Water Treatment Units—Health Effects**

611.1, 611.3

**58—2020: Reverse Osmosis Drinking Water Treatment Systems**

611.1, 611.2, 611.3

**61—2020: Drinking Water System Components—Health Effects**

410.1, 412.1, 605.3, 605.4, 605.5, 605.7, 605.12.3, 605.13.6, 608.12, 611.3

**62—2021: Drinking Water Distillation Systems**

611.1

**184—2019: Residential Dishwashers**

409.1

**350—2020: Onsite Residential and Commercial Water Reuse Treatment Systems**

1302.6.1

**359—2018: Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems**

Table 605.7

**372—2020: Drinking Water Systems Components—Lead Content**

605.2.1



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**PDI-G101 (2017): Testing and Rating Procedure for Hydro Mechanical Grease Interceptors with Appendix of Installation and Maintenance**

1003.3.5

**PDI-G102 (2009): Testing and Certification for Grease Interceptors with FOG Sensing and Alarm Devices**

1003.3.5

**PSAI** *Portable Sanitation Association International, 2626 E. 82nd Street, Suite 175, Bloomington, MN 55425*

**ANSI/PSAI Z4.3—2016: American National Standard: for Sanitation: Non-Sewered Waste Disposal Systems: Minimum Requirements**

311.1

**UL** *UL LLC, 333 Pfingsten Road, Northbrook, IL 60062-2096*

**399—2017: Drinking-Water Coolers—with Revisions through July 2020**

410.1

**430—2015: Waste Disposers—with Revisions through September 2021**

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**508—2018: Industrial Control Equipment—with Revisions through July 2021**

314.2.3

**723-2018: Standard for Test for Surface Burning Characteristics of Building Materials**

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**1795—2016: Hydromassage Bathtubs—with Revisions through December 2017**

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