Florida Building Code, Plumbing

**CHAPTER 15**

**REFERENCED STANDARDS**

FBCP

**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. The application of the referenced standards shall be as specified in Section 102.4 of the *Florida Building Code, Building*.

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

**AHRI**

Arlington, VA 22203

Standard Referenced

reference in code

number Title section number

1010—02 Self-contained, Mechanically Refrigerated Drinking-Water Coolers 410.1

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

**ANSI**

Standard Referenced

reference in code

number Title 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

IAPMO Z1157---14 Ball Valves

(P123-15)

ANSI/NGWA-01-14 Water Well Construction Standard

(P98-15 Part I)

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

**API**

Standard Referenced

reference in code

number Title 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

**ASHRAE**

ASHRAE, Inc.

1791 Tullie Circle NE Atlanta, GA 30329-2305

Standard Referenced

reference in code

number Title section number

ASHRAE 18-2008 (RA 2013) Methods of Testing for Rating Drinking-Water Coolers with Self Contained Mechanical Refrigeration

(P58-15)

American Society of Mechanical Engineers Three Park Avenue

**ASME**

New York, NY 10016-5990

Standard Referenced

reference in code

number Title section number

A112.1.2—~~2004~~ 2012 Air Gaps in Plumbing Systems . . . . . . . . . . . . . . . . . . . . . . . . . . . .406.1, 409.2, Table 608.1, 608.13.1

A112.1.3—2000 (R2011) (R2015) Air Gap Fittings for Use with Plumbing Fixtures,

Appliances and Appurtenances . . . . . . . . . . . . . . . . . . . 406.1, 409.2, Table 608.1, 608.13.1, 1102.6

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A112.3.1—2007 (R2012) 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

ASMEA112.4.2—~~2009~~2015/CSA B45.16-15 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)~~ 2016 Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems . . . . . . . . Table 605.7 A112.14.6—2010 FOG (Fats, Oils and Greases) Disposal Systems . . . . . . . . . . . . . . . . . . . . . . . . . . . .1003.3.4, 1003.3.6

A112.6.1M—1997 ~~(R2008)~~ (R2012) Floor-affixed Supports for Off-the-floor Plumbing Fixtures for Public Use 405.4.3

A112.6.2—2000 ~~(R2010)~~ 2016 Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks 405.4.3

A112.6.3—~~2001 (R2007)~~ 2016 Floor and Trench Drains 412.1

A112.6.4—2003 ~~(R2008)~~ (R2012) Roof, Deck, and Balcony Drains 1102.6

A112.6.7—~~2010~~ (R2015) ~~Enameled and Epoxy-coated Cast-iron and PVC Plastic~~ Sanitary Floor Sinks 427.1

A112.6.9—2005 ~~(R2010)~~2015 Siphonic Roof Drains 1107.1

A112.14.1—2003 (R2012) Backwater Valves 715.2

A112.14.3—~~2000~~ 2016 Grease Interceptors 1003.3.4

A112.14.4—2001

~~(Reaffirmed 2007)~~ (R2012) Grease Removal Devices 1003.3.4

A112.14.6-2010 (R2015) FOG (Fats, Oils, and Greases) Disposal Systems

A112.18.1—201~~12~~7/

CSA B125.1—201 ~~2~~7 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~~/2015

CSA B125.2—~~2011~~2015 Plumbing Waste Fittings 424.1.2

A112.18.3M—2002

~~(Reaffirmed 2008)~~R2012 Performance Requirements for Backflow Protection Devices

and Systems in Plumbing Fixture Fittings . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .424.2, 424.6

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CSA B125.6—2009 (R2014) 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

CSA B45.2—2013 Enameled Cast Iron and Enameled Steel Plumbing Fixtures . . . . . . . 407.1, 410.1, 415.1, 416.1, 418.1 A112.19.2—2013/

CSA B45.1—13 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

A112.19.3—2008/

CSA B45.4—08(R2013) Stainless Steel Plumbing Fixtures. . . . . . . . . . . . . . . . . . . . . . .405.9, 407.1, 415.1, 416.1, 418.1, 420.1

A112.19.5/—~~2011~~2017

CSA B45.15—~~2011~~2017 Flush Valves and Spuds for Water-closets, Urinals, and Tanks 425.4

A112.19.7M—201~~2~~7/

CSA B45.10—201~~2~~7 Hydromassage Bathtub Systems. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .421.1, 421.4

A112.19.12—~~2006~~ 2014 Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and

Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Waste Systems . . . . .416.4, 418.3

A112.19.14-~~2006(R2011)~~ 2013 Six-Liter Water Closets Equipped with a Dual Flushing Device 420.1

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A112.21.3-1985(R2007) Hydrants for Utility and Maintenance Use . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 608.1, 608.13.6 A112.36.2M—1991

~~(R2008)~~(R2012) Cleanouts 708.1.10.2

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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

B1.20.1—~~1983(R2006)~~2013 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

B 16.3—~~2011~~2016 Malleable Iron Threaded Fittings Classes 150 and 300 . . . . . . . . . . . . . . . . .Table 702.4, Table 1102.7 B 16.4—~~2011~~2016 Gray Iron Threaded Fittings Classes 125 and 250 . . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7

B 16.9—~~2007~~2012 Factory-made Wrought Steel Buttwelding Fittings . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7 B 16.11—~~2011~~2016 Forged Fittings, Socket-welding and Threaded . . . . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7 B 16.12—2009(R2014) Cast-iron Threaded Drainage Fittings. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 702.4, Table 1102.7

B 16.15—~~2011~~2013 Cast ~~Bronze~~Alloy Threaded Fittings Classes 125 and 250 . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7

B 16.18—2012 Cast Copper Alloy Solder Joint Pressure Fittings. . . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7 B 16.22—~~2001(R2010)~~2013 Wrought Copper and Copper Alloy Solder Joint

Pressure Fittings . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5, Table 702.4, Table 1102.7

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B 16.23—~~2011~~2016 Cast Copper Alloy Solder Joint Drainage Fittings DWV . . . . . . . . . . . . . . . Table 702.4, Table 1102.7 B 16.26—~~2011~~2016 Cast Copper Alloy Fittings for Flared Copper Tubes . . . . . . . Table 605.5, Table 702.4, Table 1102.7 B 16.28—1994 Wrought Steel Buttwelding Short Radius Elbows and Returns. . . . . . . . . . . . . . . . . . . . . . Table 605.5,

Table 702.4, Table 1102.7

B 16.29—2012 Wrought Copper and Wrought Copper Alloy Solder

Joint Drainage Fittings (DWV). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 702.4, Table 1102.7

B16.34—~~2009~~2015 Valves Flanged, Threaded and Welding End. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.7

B16.51—~~2011~~2013 Copper and Copper Alloy Press-Connect Pressure Fittings . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.5

B31.5 – 2016 Refrigeration Piping and Heat Transfer Components

American Society of Plumbing Engineers 8614 Catalpa Avenue, Suite 1007

**ASPE**

Chicago, IL 60656-1116

Standard Referenced

reference in code

number Title section number

45—2013 Siphonic Roof Drainage Systems 1107.1

American Society of Sanitary Engineering 901 Canterbury Road, Suite A

**ASSE**

Westlake, OH 44145

Standard Referenced

reference in code

number Title section number

1001—~~08~~2016 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

ASSE 1002-2015/ASME A112 1002-2015/CSA B125. 12-15 Antisiphon Fill Valves

1003—09 Performance Requirements for Water Pressure Reducing Valves 604.8

ASSE1004—~~08~~2016 Performance Requirements for Backflow Prevention Requirements

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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~~2016 Performance Requirements for Hose Connection Vacuum Breakers . . . . . . . . . .Table 608.1, 608.13.6

1012—09 Performance Requirements for Backflow Preventers

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1013—~~09~~ 2017 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~~2017 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~~2017 Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied 1002.4.1.2

1019—~~2010~~2016 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~~2016 Performance Requirements for Backflow Preventer

for Beverage Dispensing Equipment . . . . . . . . . . . . . . . . . . . . . . . .Table 608.1, 608.16.1, 608.16.10

1024—~~04~~2016 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

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~~Performance Requirements for~~ Pressurized Flushing Devices

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1044—2010 Performance Requirements for Trap Seal Primer Devices

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1047—~~2009~~2017 Performance Requirements for Reduced Pressure Detector

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1048—~~2009~~2017 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~~2016 Performance Requirements for Hose Connection Backflow Preventers . . . . . . . Table 608.1, 608.13.6 1055—~~2009~~2016 Performance Requirements for Chemical Dispensing Systems 608.13.9

1056—~~2010~~2013 Performance Requirements for Spill Resistant Vacuum Breaker. . . . . . . . . . . . . . . . . . . . .Table 608.1,

608.13.5, 608.13.8

1060—~~2006~~2016 Performance Requirements for Outdoor Enclosures for Fluid

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1061—~~2010~~ 20112015 Performance Requirements for ~~Removable and Nonremovable~~ Push Fit Fittings . . . . . . . . Table 605.5

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1062—~~2006~~2016 Performance Requirements for Temperature Actuated, Flow Reduction

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1066—~~2009~~2017 Performance Requirements for Individual Pressure Balancing In-line

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1069—05 Performance Requirements for Automatic Temperature Control Mixing Valves 424.

ASSE 1070—~~04~~ 2015/ASME A112 1070 2015/ CSA B125.70-15

~~Performance Requirements for~~ Water-temperature Limiting Devices . . . . . . . . . . . . . . . . 408.3, 416.5, 423.3, 424.5, 607.1.2

2060-2016 Performance Requirements for Outdoor Enclosures for Fluid Conveying Components

1071 --- 2012 Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment

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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~~2015 Performance Requirements for Testing Reduced Pressure Principle

Backflow Prevention Assembly (RPA) and Reduced Pressure

Fire Protection Backflow Preventers (RFP) 312.10.2

5015—~~2009~~2015 Performance Requirements for Testing Double Check Valve Backflow Prevention Assemblies (DC) and Double Check Fire Protection

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5020—~~2009~~2015 Performance Requirements for Testing Pressure Vacuum Breaker

Assemblies (PVBA) 312.10.2

5047—~~98~~2015 Performance Requirements for Testing Reduced Pressure Detector

Fire Protection Backflow Prevention Assemblies (RPDA) 312.10.2

5048—~~2009~~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—~~98~~2015 Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB) 312.10.2

ASTM International 100 Barr Harbor Drive

**ASTM**

West Conshohocken, PA 19428-2959

Standard Referenced

reference in code

number Title 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~~15 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~~15A 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~~15 Specification for Welded and Seamless Carbon Steel and Austenitic

Stainless Steel Pipe Nipples . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.8

A778—~~01(2009)e1~~/A778M-15 Specification for Welded Unannealed Austenitic Stainless

Steel Tubular Products. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.3, Table 605.4, Table 605.5

A888—~~13A~~15 Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary

and Storm Drain, Waste, and Vent Piping Application . . . . . . . . . . . . . . . . . . . . . . . . . .Table 702.1,

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B32—08(2014) Specification for Solder Metal . . . . . . . . . . . . . . . . . . . . . . . . . . . 605.13.3, 605.14.6, 705.6.3, 705.17.3

B42—~~10~~2015A Specification for Seamless Copper Pipe, Standard Sizes. . . . . . Table 605.3, Table 605.4, Table 702.1

B43—~~09~~15 Specification for Seamless Red Brass Pipe, Standard Sizes . . . Table 605.3, 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—~~09~~14 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~~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—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)~~(14) Specification for Clay Drain Tile and Perforated Clay Drain Tile . . . . . . . Table 702.3, Table 1102.4,

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C14—~~11~~15a Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe . . . . . . . Table 702.3, Table 1102.4

C76—~~13a~~15a Specification for Reinforced Concrete Culvert, Storm

Drain and Sewer Pipe. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 702.3, Table 1102.4

C296/C296M-00(2015) Specification for Asbestos-Cement Pressure Pipe

C425—04~~(2009)~~(2013) 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~~14 Specification for Rubber Gaskets for Cast-iron Soil Pipe and Fittings . . . . . . .705.4.2, 705.4.3, 705.16

C700—13 Specification for Vitrified Clay Pipe, Extra Strength, Standard

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C508-00/C508M-00(2015) Specification for Asbestos-Cement Underdrain Pipe

C1053—00(2010) Specification for Borosilicate Glass Pipe and Fittings for

Drain, Waste, and Vent (DWV) Applications . . . . . . . . . . . . . . . . . . . . . . . Table 702.1, Table 702.4

C1173—10~~e1~~(2014) 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~~15 Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings 705.4.3

C1440—08(2013) Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain,

Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems 705.16

C1460—~~08~~2012 Specification for Shielded Transition Couplings for Use with Dissimilar DWV

Pipe and Fittings Above Ground 705.16

C1461—08(2013) 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~~15 Specification for Heavy Duty Shielded Couplings Joining Hubless

Cast-iron Soil Pipe and Fittings 705.4.3

C1563—2008(2013 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~~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—~~12~~15 Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe,

Schedules 40, 80 and 120. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.3

D1869-15 Specification for Rubber Rings for Fiber-Reinforced Cement Pipe

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~~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—~~06~~15 Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings,

Schedule 80 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.5

D2466—~~06~~15 Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40. . . . . . . .Table 605.5 D2467—~~06~~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—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)~~15 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~~14 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~~14 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)~~14 Specification for Joints for IPS PVC Pipe Using Solvent Cement. . . . . . . . . . . . . . . . . . . . Table 605.3 D2683—~~10e1~~14 Standard Specification for Socket-type Polyethylene fittings for

Outside Diameter-controlled Polyethylene Pipe and Tubing . . . . . . . . . . . . . . . . .Table 605.5, 717.5

D2683—14 Specification for Socket- Type Polyethylene Fittings for Outside Diameter-Controlled

Polyethylene Pipe and Tubing

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~~14 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~~14a 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~~15 Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on

Controlled Outside Diameter . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.3

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(P184-15 Part I)

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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, 705.11.1, 705.13.2

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for Polyethylene (PE) Plastic Pipe and Tubing. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5

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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

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In-Situ Water Reclamation 1304.3

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F437—~~09~~15 Specification for Threaded Chlorinated Poly (Vinyl Chloride)

(CPVC) Plastic Pipe Fittings, Schedule 80. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5

F438—~~09~~15 Specification for Socket-type Chlorinated Poly (Vinyl Chloride)

(CPVC) Plastic Pipe Fittings, Schedule 40. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5

F439—~~12~~13 Standard Specification for Chlorinated Poly (Vinyl Chloride)

(CPVC) Plastic Pipe Fittings, Schedule 80. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.5

F441/F441M—~~13~~15 Specification for Chlorinated Poly (Vinyl Chloride)

(CPVC) Plastic Pipe, Schedules 40 and 80. . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.3, Table 605.4

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Plastic Pipe (SDR-PR) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.3, Table 605.4

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(CPVC) Plastic Pipe and Fittings . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .605.15.2, 605.16.2

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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~~15 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

F667 ---12 "Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings"

(P237-15)/(P241-15)

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Based on Outside Diameter . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 702.3, 717.4

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Hot - and Cold-Water Distribution Systems. . . . . . . . . . . . . . . Table 605.3, Table 605.4, Table 605.5

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(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

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Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe . . . . . . . . . . . . Table 605.3, Table 605.4,

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F1282—10 Specification for Polyethylene/Aluminum/Polyethylene

(PE-AL-PE) Composite Pressure Pipe. . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.3, Table 605.4,

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F1412—09 Specification for Polyolefin Pipe and Fittings for

Corrosive Waste Drainage . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 702.1, Table 702.2,

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Mechanical Couplings for Use in Piping Applications . . . . . . . . . . . . . . . . . . Table 605.5, 605.14.3,

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F1504 – 2014 Standard Specification for Folded Poly(Vinyl Chloride) (PVC) Pipe for Existing Sewer and Conduit Rehabilitation

(P205-15 Part II AM)

F1548—01~~(2006)(~~2012) 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~~15 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~~13 Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40

Drainage and DWV Fabricated Fittings. . . . . . . . . . . . . . . . . . . . . . . . . . . Table 702.4, Table 1102.7

F1871 – 2011 Standard Specification for Folded/Formed Poly (Vinyl Chloride) Pipe Type A for Existing Sewer and Conduit Rehabilitation

(P205-15 Part II AM)

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Rings for use with Cross-linked Polyethylene (PEX) Tubing . . . . . . . . . . . . . . . . . . . . . .Table 605.5

F1970—12E1 Special Engineered Fittings, Appurtenances or Valves for use in Poly

(Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Systems. . . . . . .Table 605.7

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Polyethylene Composite Pressure Pipe . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.5, 605.21.1

F1986—01(2011) Specification for Multilayer Pipe, Type 2, Compression Fittings and

Compression Joints for Hot and Cold Drinking Water Systems . . . . . . . . . . . . . . . . . . . Table 605.3,

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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 Insert and Plastic Insert Fittings . . . . . . . . .Table 605.5

F2159—~~11~~14 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~~14E1 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~~15 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~~14 Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/

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(P238-15)

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

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(P171-15)

F2764/F2764M-11ae2 Standard Specification for 30 to 60 in (750 to 1500 mm) Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications

(P171-15)

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Cold Water Tubing and Distribution Systems . . . . . . . . . . . . Table 605.3, Table 605.4, Table 605.5

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(CPVC/AL/CPVC) Composite Pressure Tubing . . . . . . . . . . . . . . . . . . . . .Table 605.3, Table 605.4

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(P239-15)

American Welding Society 8669 NW 36 Street, #130

**AWS**

Doral, FL 33166

Standard Referenced

reference in code

number Title section number

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American Water Works Association 6666 West Quincy Avenue

**AWWA**

Denver, CO 80235

Standard Referenced

reference in code

number Title section number

C104/A21.4-~~08~~13 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

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. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 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~~14 Disinfecting Water Mains 610.1

C652—11 Disinfection of Water-storage Facilities 610.1

C901—~~08~~16 Polyethylene (PE) Pressure Pipe and Tubing ~~1~~~~/2~~3/4 inch (~~13~~19 mm)

Through 3 inch (76 mm) for Water Service . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.3

C904—~~08~~16 Cross-linked Polyethylene (PEX) Pressure ~~Pipe~~ Tubing 1/2 inch (~~12~~13 mm)

Through 3 inch (76 mm) for Water Service . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Table 605.3

D100—~~05~~11 ~~Standard for~~ Welded Carbon Steel Tanks for Water Storage 1302.7.2

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**CISPI**

Cast Iron Soil Pipe Institute

5959 Shallowford Road, Suite 419

Chattanooga, TN 37421

Standard Referenced

reference in code

number Title section number

301—~~04a~~12 Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary

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Table 1102.4, Table 1102.5, Table 1102.7

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**REFERENCED STANDARDS**

**CSA**

CSA Group

8501 East Pleasant Valley Cleveland, OH 44131-5516

Standard Referenced

reference in code

number Title section number

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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

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418.1, 419.1, 420.1

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Florida Building Commission

**Florida Codes**

c/o Florida Department of Business and Professional Regulation Building Codes and Standards 2601 Blair Stone Road

Tallahassee, Florida 32399

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| --- | --- | --- |
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| Florida Administrative Code Ch. 62-610 | Florida Administrative Code-Reuse of Reclaimed Water |  |

and Land Application 602.4

Ch. 64E-6 Florida Administrative Code-Standards for Onsite Sewage

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IAPMO Group

**IAPMO**

4755 E. Philadelphia

Ontario, CA 91761

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CSA B45.5—11/

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

**ISEA**

Arlington, VA 22209

Standard Referenced

reference in code

number Title section number

ANSI/ISEA Z358.1—~~2009~~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

Standard Referenced

reference in code

number Title section number

SP-42—2013 Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600)

SP-67—2011 Butterfly Valves . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.7

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SP-71—~~2011~~2013 Gray Iron Swing Check Valves, Flanged and Threaded Ends. . . . . . . . . . . . . . . . . . . . . . . .Table 605.7 SP-72—2010a Ball Valves with Flanged or Butt-Welding Ends for General Service . . . . . . . . . . . . . . . . .Table 605.7 SP-78—~~2011~~2013 Cast Iron Plug Valves, Flanged and Threaded Ends . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .Table 605.7

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SP-139-2014 Copper Alloy Gate, Globe, Angle, and Check Valves for Low Pressure/Low Temperature Plumbing Applications

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National Fire Protection Association 1 Batterymarch Park

**NFPA**

Quincy, MA 02169-7471

Standard Referenced

reference in code

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99—~~15~~18 Health Care Facilities Code 1202.1

**NSF**

NSF International 789 Dixboro Road Ann Arbor, MI 48105

Standard Referenced

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3—~~2010~~12 Commercial Warewashing Equipment 409.1

14—~~2011~~2015 Plastic Piping System Components and Related Materials 303.3

18—2012 Manual Food and Beverage Dispensing Equipment 426.1

42—~~2011~~2015 Drinking Water Treatment Units-Aesthetic Effects 611.1

50—~~2012~~2015 Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Facilities 1302.8.1

NSF 184-2014 Residential Dishwashers

(P56-15)

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53—~~2011a~~15 Drinking Water Treatment Units—Health Effects 611.1

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350—~~2011~~2014 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

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

**PDI**

Standard Referenced

reference in code

number Title 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

**PSAI**

Standard Referenced

reference in code

number Title section number

Z4.3- 15 Minimum Requirements for Nonsewered Waste-Disposal Systems

**SRCC**

Solar Rating & Certification Corporation

400 High Point Drive, Suite 400

Cocoa, FL 32926

Standard Referenced

reference in code

number Title section number

SRCC 300—2013 Minimum Standard for Solar Thermal Water Heating Systems, January 3, 2013, Solar Rating and Certification Corporation.

(P89-15)

UL LLC

**UL**

333 Pfingsten Road

Northbrook, IL 60062-2096

Standard Referenced

reference in code

number Title section number

58—1996 Steel Underground Tanks for Flammable and Combustible Liquids—

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142—2006 Steel Aboveground Tanks for Flammable and Combustible Liquids—

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430—2009 Waste Disposers—with revisions through ~~March 23, 2011~~September 2015 413.1

508—99 Industrial Control Equipment—with revisions through ~~March 2013~~October 2013 314.2.3

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1746—2007 External Corrosion Protection Systems for Steel Underground Storage Tanks-with revisions through December 2014 1302.7.2

1795—2009 Hydromassage Bathtubs including revisions through ~~August 23, 2011~~January 2015 421.1

Water Quality Association 4151 Naperville Road

**WQA**

Lisle, IL 60532-3696

Standard Referenced

reference in code

number Title section number

S-200 Household and Commercial Water Filters (In-Line) 611.1

S-300 Point-of-Use Low Pressure Reverse Osmosis Drinking Water Systems 611.2

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