

4101:3-15-01 Referenced standards.

1501.1 General. This chapter lists the *codes and 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 *the* title. The application of the referenced standards shall be as specified in Section 102.5 of the building code.

1501.2 Referenced codes. When indicated in the “OPC”, the following codes refer to provisions in the listed chapters of the Administrative Code:

<i>Referenced code</i>	<i>Ohio Administrative Code chapters</i>
<i>Building Code</i>	<i>4101:1-1 to 4101:1-35</i>
<i>Fire Code</i>	<i>1301:7-1 to 1301:7-7</i>
<i>Mechanical Code</i>	<i>4101:2-1 to 4101:2-15</i>
<i>Ohio Boiler and Pressure Vessel Rules</i>	<i>4101:4-1 to 4101:4-10</i>

1501.3 Referenced Standards.

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

Standard Referenced	Title
A118.10—14	Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation
Z4.3—95 (R2005)	Minimum Requirements for Nonsewered Waste-disposal Systems (Standard is developed by the Portable Sanitation Association International-PSAI)
Z21.22—15	Relief Valves for Hot Water Supply Systems with Addenda (Standard is developed by the Canadian Standards Association-CSA and is the same as CSA 4.4)

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

Standard Referenced	Title
1010—02	Self-contained, Mechanically Refrigerated Drinking-Water Coolers

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

Standard Referenced	Title
12D—2008	Specification for Field Welded Tanks for Storage of Production Liquids, effective April 1, 2009
12F—2008	Specification for Shop Welded Tanks for Storage of Production Liquids, effective April 1 2009

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

Standard Referenced	Title
A112.1.2—2012	Air Gaps in Plumbing Systems
A112.1.3—2000 (<i>R2015</i>)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances
A112.3.1—2007 (<i>R2014</i>)	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground
ASME A112.3.4—2013/ CSA B45.9—2013	Macerating Toilet Systems and Related Components
A112.4.1—2009 (<i>R2014</i>)	Water Heater Relief Valve Drain Tubes
A112.4.2—2015	Water Closet Personal Hygiene Devices

A112.4.3—1999 (<i>R2015</i>)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System
A112.4.14—2004 (<i>R2010</i>)	Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems
A112.6.1M—1997 (<i>R2012</i>)	Floor-affixed Supports for Off-the-floor Plumbing Fixtures for Public Use
A112.6.2—2000 (<i>R2010</i>)	Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks
A112.6.3—2016	Floor and Trench Drains
A112.6.4—2003 (<i>R2012</i>)	Roof, Deck, and Balcony Drains
A112.6.7—2010 (<i>R2015</i>)	Enameled and Epoxy-coated Cast-iron and PVC Plastic Sanitary Floor Sinks
A112.6.9—2005 (<i>R2015</i>)	Siphonic Roof Drains
A112.14.1—2003 (<i>R2012</i>)	Backwater Valves
A112.14.3—2000 (<i>R2014</i>)	Grease Interceptors
A112.14.4—2001 (<i>R2012</i>)	Grease Removal Devices
A112.14.6—2010 (<i>R2015</i>)	FOG (Fats, Oils and Greases) Disposal Systems
A112.18.1—2012/ CSA B125.1—2012	Plumbing Supply Fittings
A112.18.2—2015/ CSA B125.2—2015	Plumbing Waste Fittings
A112.18.3—2002 (<i>R2012</i>)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings
A112.18.6/ CSA B125.6—2009 (<i>R2014</i>)	Flexible Water Connectors
A112.18.7—1999 (<i>R2004</i>)	Deck mounted Bath/Shower Transfer Valves with Integral Backflow Protection
A112.18.9—2011	Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures
A112.19.1/—2013 CSA B45.2—2013	Enameled Cast Iron and Enameled Steel Plumbing Fixtures
A112.19.2—2013/ CSA B45.1—13	Ceramic Plumbing Fixtures
A112.19.3—2008/ CSA B45.4—08(<i>R2013</i>)	Stainless Steel Plumbing Fixtures
A112.19.5/—2011 CSA B45.15—2011	Flush Valves and Spuds for Water-closets, Urinals, and Tanks
A112.19.7M—2012/ CSA B45.10—2012	Hydromassage Bathtub Systems

A112.19.12—2014	Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Systems
A112.19.14-2013	Six-Liter Water Closets Equipped with a Dual Flushing Device
A112.19.15—2012	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors
A112.19.19—2006	Vitreous China Nonwater Urinals
A112.21.3-1985(R2007)	Hydrants for Utility and Maintenance Use
A112.36.2M—1991(R2012)	Cleanouts
ASSE 1016/ ASME	Performance Requirements for Individual
A112.1016/	Thermostatic, Pressure Balancing and
CSA B125.16-2011	Combination Control Valves for Individual Fixture Fittings
B1.20.1—2013	Pipe Threads, General Purpose (inch)
B 16.3—2011	Malleable Iron Threaded Fittings Classes 150 and 300
B 16.4—2011	Gray Iron Threaded Fittings Classes 125 and 250
B 16.9—2012	Factory-made Wrought Steel Buttwelding Fittings
B 16.11—2011	Forged Fittings, Socket-welding and Threaded
B 16.12—2009 (R2014)	Cast-iron Threaded Drainage Fittings
B 16.15—2013	Cast Bronze Threaded Fittings
B 16.18—2012	Cast Copper Alloy Solder Joint Pressure Fittings
B 16.22—2013	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
B 16.23—2011	Cast Copper Alloy Solder Joint Drainage Fittings DWV
B 16.26—2013	Cast Copper Alloy Fittings for Flared Copper Tubes
B 16.28—1994	Wrought Steel Buttwelding Short Radius Elbows and Returns
B 16.29—2012	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)
B16.34—2013	Valves Flanged, Threaded and Welding End
B16.51—2013	Copper and Copper Alloy Press-Connect

*BPVC Section IX-the edition
referenced in rule 4101:4-3-01
of the Administrative Code*

Pressure Fittings
Welding and Brazing Qualifications

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

Standard Referenced	Title
45—2013	Siphonic Roof Drainage Systems

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

Standard Referenced	Title
1001—2008	Performance Requirements for Atmospheric Type Vacuum Breakers
1002—2015	Performance Requirements for Antisiphon Fill Valves (Ballcocks) for Gravity Water Closet Flush Tanks
1003—2009	Performance Requirements for Water Pressure Reducing Valves
1004—2008	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines
1005—1999	Performance Requirements for Water Heater Drain Valves
1008—2006	Performance Requirements for Plumbing Aspects of Food Waste Disposer Units
1010—2004	Performance Requirements for Water Hammer Arresters
1011—2004	Performance Requirements for Hose Connection Vacuum Breakers
1012—2009	Performance Requirements for Backflow Preventers with Intermediate

1013—2011	Atmospheric Vent Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers
1015—2011	Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies
ASSE 1016/ ASME A112.1016/ CSA B125.16—2011	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings
1017—2010	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems
1018—2010	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied
1019—2011	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type
1020—2004	Performance Requirements for Pressure Vacuum Breaker Assembly
1022—2003	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment
1024—2004	Performance Requirements for Dual Check Valve Type Backflow Preventers (for Residential Supply Service or Individual Outlets)
1035—2008	Performance Requirements for Laboratory Faucet Backflow Preventers
1037—2015	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures
1044—2015	Performance Requirements for Trap Seal Primer Devices Drainage Types and Electronic Design Types
1047—2011	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies
1048—2011	Performance Requirements for Double

	Check Detector Fire Protection
	Backflow Prevention Assemblies
1049—2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems
1050—2009	Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems
1051—2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems-fixture and Branch Devices
1052—2016	Performance Requirements for Hose Connection Backflow Preventers
1055—2009	Performance Requirements for Chemical Dispensing Systems
1056—2013	Performance Requirements for Spill Resistant Vacuum Breaker
1060—2006	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components
1061—2015	Performance Requirements for Removable and Nonremovable Push Fit Fittings
1062—2006	Performance Requirements for Temperature Actuated, Flow Reduction Valves to Individual Supply Fittings
1066—2009	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings
1069—2005	Performance Requirements for Automatic Temperature Control Mixing Valves
1070—2015	Performance Requirements for Water-temperature Limiting Devices
1072—2007	Performance Requirements for Barrier Type Floor Drain Tap Seal Protection Devices
1079—2012	Performance Requirements for Dielectric Pipe Unions
5013—2015	Performance Requirements for Testing Reduced Pressure Principle Backflow Prevention Assembly (RPA) and Reduced Pressure Fire Protection Backflow Preventers (RFP)

5015—2015	Performance Requirements for Testing Double Check Valve Backflow Prevention Assemblies (DC) and Double Check Fire Protection Backflow Prevention Assemblies (DCF)
5020—2015	Performance Requirements for Testing Pressure Vacuum Breaker Assemblies (PVBA)
5047—2015	Performance Requirements for Testing Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies (RPDA)
5048—2015	Performance Requirements for Testing Double Check Valve Detector Assembly (DCDA)
5052—2015	Performance Requirements for Testing Hose Connection Backflow Preventers
5056—2015	Performance Requirements for Testing Spill Resistant Vacuum Breaker (SRVB)

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

Standard Referenced	Title
A 53/A 53M—12	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless
A 74—16	Specification for Cast-iron Soil Pipe and Fittings
A 312/A 312M—16	Specification for Seamless, Welded, And Heavily Cold Worked Austenitic Stainless Steel Pipes
A 733—15	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples
A 778—16	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products
A 888—15	Specification for Hubless Cast-iron Soil Pipe

	and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application
B 32—08 (2014)	Specification for Solder Metal
B 42—15a	Specification for Seamless Copper Pipe, Standard Sizes
B 43—15	Specification for Seamless Red Brass Pipe, Standard Sizes
B 75—11	Specification for Seamless Copper Tube
B 88—14	Specification for Seamless Copper Water Tube
B 152/B 152M—13	Specification for Copper Sheet, Strip Plate and Rolled Bar
B 251—10	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube
B 302—12	Specification for Threadless Copper Pipe, Standard Sizes
B 306—13	Specification for Copper Drainage Tube (DWV)
B 447—12a	Specification for Welded Copper Tube
B 687—99(2016)	Specification for Brass, Copper and Chromium-plated Pipe Nipples
B 813—16	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube
B 828—16	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings
C 4—04(2014)	Specification for Clay Drain Tile and Perforated Clay Drain Tile
C 14—15a	Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe
C 76—15a	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe
C 425—04(2013)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings
C 443—12	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets.
C 564—14	Specification for Rubber Gaskets for Cast- iron Soil Pipe and Fittings

C 700—13	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated
C 1053—00(2015)	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications
C 1173—10(2014)	Specification for Flexible Transition Couplings for Underground Piping System
C 1277—13	Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings
C 1440—08(2013)	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems
C 1460—12	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground
C 1461—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
C 1540—15	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings
C 1563—13	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping Applications
D 1253—14	Standard Test Method For Residual Chlorine in Water
D 1527—99(2005)	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80
D 1785—15	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120
D 2235—04(2011)	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings
D 2239—12a	Specification for Polyethylene (PE) Plastic

	Pipe (SIDR-PR) Based on Controlled Inside Diameter
D 2241—15	Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)
D 2282—99(2005)	Specification for Acrylonitrile-Butadiene- Styrene (ABS) Plastic Pipe (SDR-PR)
D 2464—15	Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
D 2466—15	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40
D 2467—15	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
D 2468—96a	Specification for Acrylonitrile-Butadiene- Styrene (ABS) Plastic Pipe Fittings, Schedule 40
D 2564—12	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems
D 2609—15	Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe
D 2657—15	Practice for Heat Fusion-joining of Polyolefin Pipe and Fitting Waste, and Vent Pipe and Fittings
D 2661—14	Specification for Acrylonitrile-Butadiene- Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings
D 2665—14	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
D 2672—14	Specification for Joints for IPS PVC Pipe Using Solvent Cement
D 2683—14	Standard Specification for Socket-type Polyethylene fittings for Outside Diameter-controlled Polyethylene Pipe and Tubing
D 2729—11	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings
D 2737—2012a	Specification for Polyethylene (PE) Plastic Tubing.

D 2751—05	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings
D 2846/D 2846M—14	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems
D 2855—15	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings
D 2949—10	Specification for 3.25-in Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
D 3034—15	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings
D 3035—15	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
D 3139—98(2011)	Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals
D 3212—07 (2013)	Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
D 3261—15	Specification for Butt Heat Fusion Polyethylene (PE) Plastic fittings for Polyethylene (PE) Plastic Pipe and Tubing
D 3311—11 (2016)	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns
D 4068—15	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-containment Membrane
D 4551—12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane
E 2727—10e1	Standard Practice for the Assessment of Rainwater Quality 1302.8.1
F 405—13	Specification for Corrugated Polyethylene (PE) Pipe and Fittings

F 409—12	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings
F 437—15	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 438—15	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
F 439—13	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
F 441/F 441M—15	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
F 442/F 442M—13 <i>e1</i>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
F 477—14	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
F 493—14	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
F 628—12 <i>e2</i>	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core
F 656—15	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings
F 714—2013	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter
F 876—15 <i>a</i>	Specification for Cross-linked Polyethylene (PEX) Tubing
F 877—2011 <i>a</i>	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems
F 891—10	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core

F 1055—15	Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing
F 1281—11	Specification for Cross-linked Polyethylene/Aluminum/ Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe
F 1282—10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe
F 1412—16	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage
F 1476—13	Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications
F 1488—14	Specification for Coextruded Composite Pipe
F 1548—01(2012)	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications
F 1673—10	Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems
F 1807—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
F 1866—13	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings
F 1960—15	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for use with Cross-linked Polyethylene (PEX) Tubing
F 1970—12e1	Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) OR Chlorinated Poly (Vinyl Chloride) (CPVC) Systems
F 1974—15	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-

	linked Polyethylene Composite Pressure Pipe
F 1986—01(2011)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems
F 2080—15a	Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe
F 2098—15	Standard specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal and Plastic Insert Fittings
F 2159—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
F 2262—09	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9
F 2306/F 2306M—14e1	12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications
F 2389—15	Specification for Pressure-rated Polypropylene (PP) Piping Systems
F 2434—14	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/ Cross-linked Polyethylene (PEX AL-PEX) Tubing
F 2735—09	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing
F 2769—14	Polyethylene or Raised Temperature (PE- RT) Plastic Hot and
F 2831—12	Cold Water Tubing and Distribution Systems Standard Practice for Internal Non Structural

F 2855—12
 Epoxy Barrier Coating Material Used In
 Rehabilitation of Metallic Pressurized Piping
 Systems
 Specification Poly (Vinyl
 Chloride)/Aluminum/Poly (Vinyl Chloride)
 (CPVC/AL/CPVC) Composite Pressure
 Tubing

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

Standard Referenced	Title
A5.8M/A5.8—2011	Specifications for Filler Metals for Brazing and Braze Welding

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

Standard Referenced	Title
C104/A21.4-13	Cement-mortar Lining for Ductile-iron Pipe and Fittings for Water
C110/A21.10—12	Ductile-iron and Gray-iron Fittings
C111/A21.11-12	Rubber-gasket Joints for Ductile-iron Pressure Pipe and Fittings
C115/A21.15—11	Flanged Ductile-iron Pipe with Ductile-iron or Gray-iron Threaded Flanges
C151/A21.51—09	Ductile-iron Pipe, Centrifugally Cast for Water
C153—00/A21.53—11	Ductile-iron Compact Fittings for Water Service
C500—09	Standard for Metal-Seated Gate Valves for Water Supply Service
C504—15	Standard for Rubber-Seated Butterfly Valves
C507—15	Standard for Ball Valves, 6 In. Through 60 In.

C510—07	Double Check Valve Backflow Prevention Assembly
C511—07	Reduced-pressure Principle Backflow Prevention Assembly
C651—14	Disinfecting Water Mains
C652—11	Disinfection of Water-storage Facilities
C901—08	Polyethylene (PE) Pressure Pipe and Tubing 1/ inch (13 mm) Through 3 inch (76 mm) for Water Service.
C904—16	Cross-linked Polyethylene (PEX) Pressure Pipe 1/ inch (13 mm) Through 3 inch (76 mm) for Water Service
D100—11	Standard for Welded Carbon Steel Tanks for Water Storage
D115—06	Standard for Tendon Prestressed-Concrete Water Tanks
D120—09	Standard for Thermosetting Fiberglass-Reinforced Plastic Tanks

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

Standard Referenced	Title
301—12	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications
310—12	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

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

Standard Referenced	Title
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A257.1M—2012	Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings
A257.2M—2012	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings
A257.3M—2012	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets
ASME A112.18.1—2012/ CSA B125.1—2012	Plumbing Supply Fittings
A112.18.2—2015/ CSA B125.2—2015	Plumbing Waste Fittings
ASME A112.19.2—2013/ B45.1—2013	Ceramic Plumbing Fixtures
ASME A112.19.1—2013/ CSA B45.2—2013	Enameled Cast-iron and Enameled Steel Plumbing Fixtures
ASME A112.19.3—2008/ CSA B45.4—08(R2013)	Stainless-steel Plumbing Fixtures
ASME A112.19.5—2011/ CSA B45.15—2011	Flush Valves and Spuds for Water Closets, Urinals and Tanks
ASME A112.19.7—2012/ CSA B45.10—2012	Hydromassage Bathtub Systems
CSA B45.5—11(R2016)/ IAPMO Z124-2011(R2016)	Plastic Plumbing Fixtures
ASME A112.3.4—2013/ CSA B45.9—2013	Macerating Systems and Related Components
CSA B125.16—2011	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings
B64.1.1—11 (2016)	Vacuum Breakers, Atmospheric Type (AVB)
B64.1.2—11 (2016)	Pressure Vacuum Breakers, (PVB)
B64.1.3—11 (2016)	Spill Resistant Pressure Vacuum Breaks (SRPVB)
B64.2—11 (2016)	Vacuum Breakers, Hose Connection Type (HCVB)
B64.2.1—11 (2016)	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature
B64.2.1.1—11 (2016)	Hose Connection Dual Check Vacuum Breakers, (HCDVB)
B64.2.2—11 (2016)	Vacuum Breakers, Hose Connection Type

	(HCVB) with Automatic Draining Feature
B64.3—11 (2016)	Backflow Preventers, Dual Check Valve Type with Atmospheric Port (DCAP)
B64.4—11 (2016)	Backflow Preventers, Reduced Pressure Principle Type (RP)
B64.4.1—11 (2016)	Reduced Pressure Principle for Fire Sprinklers (RPF)
B64.5—11 (2016)	Double Check Backflow Preventers (DCVA)
B64.5.1—11 (2016)	Double Check Valve Backflow Preventer for Fire Systems (DCVAF)
B64.6—11 (2016)	Dual Check Backflow Preventers Valve (DuC)
B64.7—11 (2016)	Laboratory Faucet Vacuum Breakers (LFVB)
B64.10—11 (2016)	Manual for the Selection and Installation of Backflow Prevention Devices
B64.10.1—11 (2016)	Maintenance and Field Testing of Backflow Preventers
B79—08(R2013)	Commercial and Residential Drains, and Cleanouts
B125.3—2012	Plumbing Fittings
B137.1—13	Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services
B137.2—13	Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications
B137.3—13	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications
B137.5—13	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications
B137.6—13	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems
B137.9—13	Polyethylene/Aluminum/ Polyethylene Composite Pressure Pipe Systems
B137.10—13	Cross-linked Polyethylene/Aluminum/ Polyethylene Composite Pressure Pipe Systems
B137.11—13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications
B181.1—15	Acrylonitrile-butadiene-styrene ABS Drain,

B 181.2—15	Waste and Vent Pipe and Pipe Fittings Polyvinylchloride PVC and chlorinated polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings
B 181.3—15	Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems
B182.1—15	Plastic Drain and Sewer Pipe and Pipe Fittings
B182.2—15	PSM Type Polyvinylchloride PVC Sewer Pipe and Fittings
B182.4—15	Profile Polyvinylchloride PVC Sewer Pipe and Fittings
B182.6—15	Profile Polyethylene (PE) Sewer Pipe and Fittings for Leak-proof Sewer Applications
B182.8—15	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings
B356—10 (<i>R2015</i>)	Water Pressure Reducing Valves for Domestic Water Systems
B483.1—14	Drinking Water Treatment Units
B481.1—12	Testing and Rating of Grease interceptors Using Lard
B481.3—12	Sizing, Selection, Location and Installation of Grease Interceptors
B602—16	Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe

FEMA *Federal Emergency Management Agency*
Federal Center Plaza 500 C Street S.W.
Washington, DC 20472

**Standard
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44 CFR Parts 59-77 (2002)

National Flood Insurance Program

IAPMO IAPMO Group
4755 E. Philadelphia
Ontario, CA 91761

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Z1001-2014
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IAPMO Z124-2011(R2016)

Prefabricated Gravity Grease Interceptors
Plastic Plumbing Fixtures

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

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A117.1—2009

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Accessible and Usable Buildings and
Facilities
International Fuel Gas Code® (*including
update to ANSI LCI/CSA 6.26-2018 for CSST*)

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

**Standard
Referenced**

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ANSI/ISEA Z358.1—2014

Emergency Eyewash and Shower Equipment

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

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SP-67—2011
SP-70—2011

SP-71—2011

Butterfly Valves
Gray Iron Gate Valves, Flanged and Threaded
Ends
Gray Iron Swing Check Valves, Flanged and

SP-72—2010a	Threaded Ends Ball Valves with Flanged or Butt-Welding Ends for General Service
SP-78—2011	Cast Iron Plug Valves, Flanged and Threaded Ends
SP-80—2013	Bronze Gate, Globe, Angle and Check Valves
SP-110—2010	Ball Valves, Threaded, Socket Welded, Solder Joint, Grooved and Flared Ends

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

Standard Referenced	Title
70—17	National Electric Code (<i>including TIA 17-8</i>)
99—15	Health Care Facilities Code

NSF NSF International
789 Dixboro Road Ann Arbor, MI 48105

Standard Referenced	Title
3—2012	Commercial Warewashing Equipment
14—2014	Plastic Piping System Components and Related Materials
18—2012	Manual Food and Beverage Dispensing Equipment 426.1
42—2015	Drinking Water Treatment Units-Aesthetic Effects
44—2015	Residential Cation Exchange Water Softeners
50—2015	Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Facilities
53—2015	Drinking Water Treatment Units—Health Effects
58—2015	Reverse Osmosis Drinking Water Treatment Systems
61—2015	Drinking Water System Components—

62—2015	Health Effects
350—2014	Drinking Water Distillation Systems
	Onsite Residential and Commercial Water Reuse Treatment Systems
359—2011	Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems
372—2016	Drinking Water Systems Components—Lead Content

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

Standard Referenced	Title
PDI G101- 2015	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data
PDI G102- 2009	Testing and Certification for Grease Interceptors with Fog Sensing and Alarm Devices

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

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399—2008	Drinking-Water Coolers—with revisions through January 14, 2011
430—2015	Waste Disposers
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