

UPC Existing Amendment Review

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|-----------------------|---------------------------------|-------------------------------------|--|
| Summary: | Delete existing state amendment | Keep existing amendment as modified | Keep existing amendment May include renumbering |
| Last Updated 2/3/2022 | | | |

| WAC | Title or Subject | 2018 UPC Number | Existing Amendment Subject | 2021 UPC Number | Staff Recommendation | TAG Recommendation | Comments |
|-----|------------------|-----------------|----------------------------|-----------------|----------------------|--------------------|----------|
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1 Authority

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|---------------------------------------|--|----|-----------|----|----------------|----------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-001 | | | | | | | |
| | | NA | Authority | NA | Keep amendment | Keep amendment | |

2 Purpose

| | | | | | | | |
|---------------------------------------|--|----|---------|----|----------------|----------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-002 | | | | | | | |
| | | NA | Purpose | NA | Keep amendment | Keep amendment | |

3 Uniform Plumbing Code

| | | | | | | | |
|---------------------------------------|--|----|-----------------------|----|------------------|------------------|---|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-003 | | | | | | | |
| | | NA | Uniform Plumbing Code | NA | Modify amendment | Modify amendment | Change year to 2021 Uniform Plumbing Code |

4 Conflicts between Appendix I and the manufacturer's installation instructions

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|---------------------------------------|--|----|---|----|----------------|----------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-004 | | | | | | | |
| | | NA | Conflicts between Appendix I and the manufacturer's installation instructions | NA | Keep Amendment | Keep Amendment | |

7 Exceptions

| | | | | | | | |
|---------------------------------------|--|----|------------|----|----------------|----------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-007 | | | | | | | |
| | | NA | Exceptions | NA | Keep Amendment | Keep Amendment | |

8 Implementation

| | | | | | | | |
|---------------------------------------|--|----|----------------|----|-------------------|-------------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-008 | | | | | | | |
| | | NA | Implementation | NA | Modify amendment. | Modify amendment. | Modify implementation date to July 1, 2023 |

Chapter 1—Administration

| | | | | | | | |
|--|--|---------|------------------------|---------|----------------|----------------|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-0100 | | | | | | | |
| | | 102.1 | Conflict Between Codes | 102.1 | Keep amendment | Keep amendment | Review with Tag for purpose of amendment |
| | | 103.3.1 | Certification. | 103.3.1 | Keep Amendment | Keep Amendment | |

Chapter 2—Definitions

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| TAG Member: Ray Shipman (STAFF) | | | | | | | |
| WAC Number: 51-56-0200 | | | | | | | |

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|--|--|-----|--|-----|---------------------------|---------------------------|--|
| | | 205 | Certified Backflow Assembly Tester | 205 | Keep Amendment | Keep Amendment | Amendment addresses WAC-246-292 |
| | | 210 | Hot Water | 210 | Keep amendment | Keep amendment | Model Code is 120 degrees amendment is 100 Degrees |
| | | 211 | Insanitarian | 211 | Delete Existing Amendment | Delete Existing Amendment | Covered in Model Code |
| | | 218 | Plumbing System | 218 | Keep Amendment | Keep Amendment | Leg Mandate |
| | | 221 | Spray Sprinkler Body | 221 | Keep Amendment | Keep Amendment | Leg Mandate |
| | | 225 | Water Heater (consumer electric storage) | 225 | Keep Amendment | Keep Amendment | leg Mandate |

Chapter 3—General regulations

TAG Member: Ray Shipman (STAFF)

[WAC Number: 51-56-0300](#)

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|--|--|---------|---|---------|----------------------|----------------------|--|
| | | 301.2.2 | Standards | 301.2.2 | Keep Amendment | Keep Amendment | Model code references chapter 17 tables and is more clear for standards |
| | | 301.3 | Alternative Materials and Methods of Construction Equivalency | 301.3 | Delete the Amendment | Delete the Amendment | Model code covers the intent now. Amendment was originally from 2013 |
| | | 310.4 | Use of Vent and Waste Pipes. | 310.4 | Keep the amendment | Keep the amendment | Amendment references appendix C which I don't think is valid. |
| | | 312.6 | Freezing Protection. | 312.6 | Keep amendment | Modify amendment | Staff will work with energy code to see if any changes have been made to the R-3 insulation. Remove r-3 and reference the WSEC |
| | | 312.7 | Fire-Resistant Construction | 312.7 | Keep Amendment | Keep amendment | Model code refers to Chapter 14 which is not adopted. |

Chapter 4—Plumbing fixtures and fixture fittings

TAG Member: William Misocky

[WAC Number: 51-56-0400](#)

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|--|--|-----------|---|-----------|----------------|----------------|--|
| | | 402.5 | Setting. | 402.5 | Keep amendment | Keep amendment | 21" clearance to align with 2021 IBC |
| | | 405.4 | Application | 405.4 | Keep amendment | Keep amendment | Stand alone amendment for WA |
| | | 407.2 | Water Consumption. | 407.2 | Keep amendment | Keep amendment | Some GPMs in these sections are lower in WA Leg. mandate |
| | | 407.2.1 | Maximum Flow Rate | 407.2.1 | Keep amendment | Keep amendment | Some GPMs in these sections are lower in WA Leg. mandate |
| | | 407.2.1.1 | Residential Lavatory Faucets | 407.2.1.1 | Keep amendment | Keep amendment | Some GPMs in these sections are lower in WA Leg. mandate |
| | | 407.2.1.2 | Lavatory Faucets in Common and Public Use Areas | 407.2.1.2 | Keep amendment | Keep amendment | Some GPMs in these sections are lower in WA Leg. mandate |
| | | 407.2.2 | Metering Faucets | 407.2.2 | Keep amendment | Keep amendment | lower in WA Leg. mandate |
| | | 407.4 | Metering Valves | 407.4 | Keep amendment | Keep amendment | |
| | | 408.2 | Water Consumption | 408.2 | Keep amendment | Keep amendment | Current WA GPM is lower |

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| | | 408.2.1 | Multiple Showerheads Serving One Shower | 408.2.1 | Keep amendment | Keep amendment | Overly restrictive. Loophole allows multiple valves. |
| | | 408.4 | Waste Outlet | 408.4 | | Modify Amendment | To replace tub with a shower. GPM for head is currently 2.5. Exception Should match 408.2 at 1.8 GPM (Section change 701.2) |
| | | 408.6 | Shower Compartments | 408.6 | Keep amendment | Keep amendment | |
| | | 411.2 | Water Consumption | 411.2 | Keep amendment | Keep amendment | Current WA GPF is lower, allows for exceptions. |
| | | 411.2.1 | Dual Flush Water Closets | 411.2.1 | Delete amendment | Delete amendment | 2021 UPC matches 2018 WA amendment |
| | | 411.2.2 | Performance | | Keep amendment | Keep amendment | Adds WaterSense |
| | | 411.2.3 | Flushometer Valve Activated Water Closets | 411.2.2 | Keep amendment | Keep amendment | Redundant of 411.2 |
| | | 412.1 | Application | 412.1 | Keep amendment | Keep amendment | Current WA GPF is lower, allows for exceptions. |
| | | 414.3 | Drainage Connection. | 414.3 | Keep amendment | Keep amendment | Removes direct connection allowed in 704.3 |
| | | 415.2 | Drinking Fountain Alternatives | 415.2 | Keep amendment | Keep amendment | IBC precedent |
| | | 418.3 | Location of Floor Drains | 418.3 | Keep amendment | Keep amendment | eliminates commercial kitchens (by health dept) and boiler rooms (undefined in UPC & IBC). |
| | | 420 | Sinks | 420 | title only | title only | |
| | | 420.1 | Application | 420.1 | Delete amendment | Delete amendment | Current amendment eliminates some standards. New section here for sinks assemblies |
| | | 420.2 | Water Consumption | 420.2 | Keep amendment | Keep amendment | Standard called out in amendment. |
| | | 420.2.1 | Kitchen Faucets | 420.2.1 | Keep amendment | Keep amendment | Stand alone amendment for WA. I need some help understanding the 2.2 gpm allowance on a temporary basis. When read with 420.2, it appears the only sink required to be max 2.2 gpm is a bar sink |
| | | 420.3 | Prerinse Spray Valve. | 420.3 | Keep amendment | Keep amendment | WA amendment add ASME standard (still current) |
| | | 422 | Minimum Number of Required Fixtures | 422 | Keep amendment | Keep amendment | IBC Chapter 29 precedence |
| | | 423 | Landscape Irrigation | 423 | Keep amendment | Keep amendment | No section in 2021 UPC. Plumbing scope is potable water. Irrigation sprinklers are outside of UPC jurisdiction Leg mandate |

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| | | 423.1 | | | | | No section in 2021 UPC. Plumbing scope is potable water. Irrigation sprinklers are outside of UPC jurisdiction Leg mandate |
| | | | Spray Sprinkler Body. | 423.1 | Keep amendment | Keep amendment | |

Chapter 5—Water heaters

TAG Member: William Misocky

[WAC Number: 51-56-0500](#)

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|--|--|---------|--|---------|--|------------------------------------|--|
| | | 501.1 | Applicability | 501.1 | | Keep amendment | IMC precedence |
| | | 501.1.2 | Consumer Electric Storage Water Heater Requirements | 501.1.2 | | Keep amendment | Stand alone WA amendment. Energy Code? |
| | | 501.1.3 | Mini-tank Electric Water Heaters | 501.1.3 | | Keep amendment | Stand alone WA amendment. Energy Code? |
| | | 504.1 | Location | 504.1 | | Modify Amendment | Current amendment changes 'shall' to 'may'. Allows inconsistent application. Leave shall. Change section reference to 505.1.1 and 505.1.2 to 504.1.1 and 504.1.2, respectively. Keep IMC reference due to precedence. |
| | | 505.2 | Safety Devices | 505.2 | | Keep amendment | Removes 'boilers'. Precedence given to WA Boiler Code RCW 70.79, WAC 296-104 |
| | | 506 | Combustion air | 506 | | Modify amendment | IMC precedence to sections 506.1-506.9. Add UPC to section not adopted Need 2021 IMC to determine if sections 507.6-507.9 should be adopted. |
| | | 507.2 | Seismic Provisions | 507.2 | | Keep amendment | Current amendment changes 'with the strapping' to 'to the strapping. |
| | | 507.13 | Installation in Garages | 507.13 | | Keep amendment | Removes 'residential'. All garages apply. |
| | | 507.16 | Venting of Flue Gases - Delete entire section | 507.16 | | Keep amendment | IMC precedence |
| | | 509 | Venting Equipment | 509 | | Keep amendment | IMC precedence |
| | | 510 | Sizing of Category I Venting Systems | 510 | | Keep amendment | IMC precedence |
| | | 511 | Direct Vent Equipment | | | Delete existing state amendment | No section in 2021 UPC (or 2018) |

Chapter 6—Water supply and distribution

TAG Member: Sandhu Harpreet

[WAC Number: 51-56-0600](#)

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|--|--|----------|--|----------|--|------------------|--|
| | | 601.1 | Applicability | 601.1 | | Keep amendment | language includes the word assemblies. |
| | | 603.1 | General | 603.1 | | Keep amendment | Model code does not reference the Washington State Administrative Code WAC 246-290-490 |
| | | 603.4.9 | Prohibited locations | 603.4.9 | | Keep amendment | |
| | | 603.2 | Approval of Devices or Assemblies | 603.2 | | Keep amendment | Keep the amendment as written since code language states testing or maintenance shall be performed by a certified tester or repairer in accordance with ASSE series 5000, we want it to state Washington State Department of Health certified backflow assembly tester. Include line in table 603.2 for ASSE 1022 for carbonated beverage machines or dispensers. |
| | | 603.4.2 | Testing | 603.4.2 | | Keep amendment | Keep the amendment 603.4.2 as written since again the code refers only to ASSE 5000 and ASSE 1064. |
| | | 603.4.9 | Prohibited Locations | 603.4.9 | | Delete Amendment | Remove the amendment 603.4.9 as is now included in the code as written |
| | | 603.5.6 | Protection from Lawn Sprinklers and Irrigation Systems | 603.5.6 | | Keep amendment | Keep amendment 603.5.6 as written since code removes note #5 for double check valve assemblies. |
| | | 603.5.10 | Steam or Hot Water Boilers | 603.5.10 | | Keep amendment | Keep amendment 603.5.10 as written since code section 603.5.10 allows as written the use of combination backflow preventers, atmospheric vent and pressure reducing valves per ASSE 1081. (Boilers are deemed high hazard and should remain protect by an airgap or RPBA). Would like to include the language, shall have the backflow prevention assembly tested by a Washington State Department of Health certified backflow assembly tester. |

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| | | 603.5.12 | Beverage Dispensers | 603.5.12 | | Keep amendment | Keep amendment 603.5.12 as written since code section 603.5.12 is not specific enough to require an approved ASSE 1013 RPBA assembly and does not note the type of piping not to be installed downstream of the backflow assembly. |
| | | 603.5.14 | Protection from Fire Systems | 603.5.14 | | Delete amendment | Remove amendment 603.5.14 as it is included as written in the code or Keep the amendment as the last paragraph states "meet the requirements of the appropriate standard(s) references in table 1401.1, code states Chapter 17?" |
| | | 604.14 | Plastic Pipe Termination | 604.14 | | Keep amendment | Keep amendment 604.14 as written since it is not include in the code. |
| | | 606.5 | Control Valve | 606.5 | | Delete amendment | Remove amendment 606.5 since it is included in the code. |
| | | 608.3 | Expansion Tanks, and Combination Temperature and Pressure-Relief Valves | 608.3 | | Delete amendment | Remove amendment 608.3 as language is included in the code. |
| | | 608.5 | Discharge Piping | 608.5 | | Modify amendment | Remove amendment 608.5 as it is included in the code. Discussion to be had for the inclusion of the current amendments exception," Where no drainage was provided, replacement water heating equipment shall only be required to provide a drain pointing downward from the relief valve to extend between two (2) feet and six (6) inches from the floor. No additional floor drain need be provided". (In my opinion to provide the highest of safety the discharge piping should only discharge as per note #3 and the current exception be removed). |
| | | 609.9 | Disinfection of Potable Water System | 609.1 | | Delete amendment | Remove amendment 609.9 as include in the code as section 609.10. |

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| | | 609.11 | Insulation of Potable Water Piping | 609.12 | | Keep amendment corelate with wsec c-403.10.3 and Table | Keep amendment 609.11 as written to require insulation per the Washington State Energy Code, this requirement is not include in the code section 609.12. |
| | | 610.4 | Sizing Water Supply and Distribution Systems | 610.4 | | Keep amendment | Remove amendment 610.4 as it is added to the code with additional language for water velocities. |
| | | 611.1 | Application | 611.1 | | Keep amendment | Keep amendment 611.1 as written as the language in the amendment is clearer than the language in the code. |
| | | 612.1 | General | 611.1 | | Keep amendment | Keep amendment 1501.1 as it is written since the code language omits the language and the Washington State Department of Health shall apply |

Chapter 7—Sanitary drainage

TAG Member: Steve Simpson

[WAC Number: 51-56-0700](#)

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|--|--|-------|--|-------|--|--|--|
| | | 701.2 | Drainage Piping | 701.2 | | Keep amendment | The ABS and PVC DWV section refers to chapter 14 firestop which is not adopted. |
| | | 703.2 | Table | | | Delete amendment | Model code rectified the table allowing maximum of five water closets on a 3" horizontal drain line. |
| | | 704.3 | Commercial Sinks | 704.3 | | Keep Amendment | The state amendment provides a better level of safety in commercial kitchen areas. |
| | | 707.4 | Location | 707.4 | | Keep Amendment | Removes the mandatory location of the urinal cleanout above the fixture connection. (cleanouts still required on the urinals) |
| | | 707.9 | Clearance | | | Keep Amendment | The allows for 20 feet of distance from the crawl space access the model code states not to exceed 5 feet for below floor clean outs |
| | | | Part II Building Sewers. Delete all of Part II (Sections 713 through 723, and Tables 717.1 and 721.1). | | | Keep: Part II Building Sewers. Delete all of Part II (Sections 713 through 723, and Tables 717.1 and 721.1). | |

Chapter 8—Indirect wastes

TAG Member: Eric Mills

[WAC Number: 51-56-0800](#)

There are NO existing WA amendments to this chapter.

Chapter 9—Vents

TAG Member: Steve Hart

[WAC Number: 51-56-0900](#)

| | | | | | | | |
|--|--|---------|------------------------|---------|--|----------------------|---|
| | | 908.2.4 | Water closet | 908.2.4 | | Delete the amendment | currently in alignment with circuit venting indicating there is no required order of fixture placement. <i>Steve Hart: I would like to know why this amendment was introduced</i> |
| | | 911.1 | Circuit Vent Permitted | | | Modify amendment | 911.1 Circuit Vent Permitted. A maximum of eight fixtures connected to a horizontal branch drain shall be permitted to be circuit vented. Each fixture drain shall connect horizontally to the horizontal branch being circuit vented. The horizontal branch drain shall be classified as a vent from the most downstream fixture drain connection to the most upstream fixture drain connection to the horizontal branch. Given its grease-producing potential, restaurant kitchen equipment shall not be connected to a circuit vented system. Each trap arm shall connect horizontal to the horizontal branch being circuit vented in accordance with table 1002.2. Exception: Back-outlet and wall-hung water closets shall be permitted to be circuit vented provided that no floor-outlet fixtures are connected to the same horizontal branch. |

Chapter 10—Traps and interceptors

TAG Member: Eric Mills

[WAC Number: 51-56-1000](#)

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|--|--|--|--|--|--|--|--|---|
| | | | | | | | | There are NO existing WA amendments to this chapter |
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Chapter 11—Storm drainage

TAG Member: Ed Holmes

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|--|-------------------------------|-----------|-------------------------------|-----------|------|----------------|----------------|--|
| WAC Number: 51-56-1100 | | | | | | | | |
| | Material uses | 1101.4 | Material uses | 1101.4 | None | Keep amendment | Keep amendment | |
| | Cleanouts | 1101.13 | Cleanouts | 1101.13 | None | Keep amendment | Keep amendment | |
| | Locations | 1101.13.1 | Locations | 1101.13.1 | None | Keep amendment | Keep amendment | |
| | Access | 1101.13.2 | Access | 1101.13.2 | None | Keep amendment | Keep amendment | |
| | Manholes | 1101.13.4 | Manholes | 1101.13.4 | None | Keep amendment | Keep amendment | |
| | Controlled-Flow Roof Drainage | 1105 | Controlled-Flow Roof Drainage | 1105 | None | Keep amendment | Keep amendment | |

Chapter 13—Health care facilities and medical gas and vacuum systems

TAG Member: Steve Simpson

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|--|--|--------|--------------------------------|--------|------|----------------|---|--|
| WAC Number: 51-56-1300 | | | | | | | | |
| | | 1303.8 | Water Mains for Hospitals | 1303.8 | None | Keep Amendment | amendment the wording in the code language is potable water sources which the previous committee believe would be impractical and cost prohibited. It is my opinion that the amendment provides ample protection for the hospital and patients. | |
| | | 1305.3 | Minimum Station Outlets/Inlets | 1305.3 | None | Keep Amendment | adds the DOH and DSHS chapters and the applicable WAC's | |

Chapter 14—Reserved

TAG Member:

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| WAC Number: 51-56-1400 | | | | | | | | |
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Chapter 15—Alternate water sources for nonportable applications

TAG Member: Sandhu Harpeet

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|--|--|--|--|--|--|--|--|--|
| WAC Number: 51-56-1500 | | | | | | | | |
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| | | 1501.1 | Applicability | 15.01.1 | Keep amendment | Keep Amendment | Model code language omits the language and the Washington State Department of Health shall apply |
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Chapter 16—Nonportable rainwater catchment systems

TAG Member: Steve Hart

[WAC Number: 51-56-1600](#)

| | | | | | | | |
|--|--|--------|---------------|--------|------|----------------|--|
| | | 1601.1 | Applicability | 1601.1 | None | Keep amendment | Modification may result based on future rules being created by DOH under HB 1184. This potential modification will most likely result in the middle of a code cycled and cause a TIA under Emergency Rule. |
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Chapter 17—Referenced standards

TAG Member: TAG

[WAC Number: 51-56-1700](#)

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90700 Reserved

TAG Member:

[WAC Number: 51-56-90700](#)

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