

## UPC Existing Amendment Review

Summary:		Delete existing state amendment		Keep existing amendment as modified			Keep existing amendment	
Last Updated 2/3/2022							May include renumbering	
WAC	Title or Subject	2018 UPC Number	Existing Amendment Subject	2021 UPC Number	Staff Recommendation	TAG Recommendation	Comments	
1 Authority								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-001</a>							
		NA	Authority	NA	Keep amendment	Keep amendment		
2 Purpose								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-002</a>							
		NA	Purpose	NA	Keep amendment	Keep amendment		
3 Uniform Plumbing Code								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-003</a>							
		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								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-004</a>							
		NA	Conflicts between Appendix I and the manufacturer's installation instructions	NA	Keep Amendment	Keep Amendment		
7 Exceptions								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-007</a>							
		NA	Exceptions	NA	Keep Amendment	Keep Amendment		
8 Implementation								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-008</a>							
		NA	Implementation	NA	Modify amendment.	Modify amendment.	Modify implementation date to July 1, 2023	
Chapter 1—Administration								
TAG Member: Ray Shipman (STAFF)								
	<a href="#">WAC Number: 51-56-0100</a>							
		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)								
	<a href="#">WAC Number: 51-56-0200</a>							

		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)**

	<a href="#">WAC Number: 51-56-0300</a>						
		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**

	<a href="#">WAC Number: 51-56-0400</a>						
		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	Some GPMs in these sections are
		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
		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
		423.1	Spray Sprinkler Body.	423.1	Keep amendment	Keep amendment	No section in 2021 UPC. Plumbing scope is potable water. Irrigation sprinklers are outside of UPC jurisdiction Leg mandate
<b>Chapter 5—Water heaters</b>							
TAG Member: William Misocky							
	<a href="#">WAC Number: 51-56-0500</a>						
		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							
	<a href="#">WAC Number: 51-56-0600</a>						
		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.

							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.
		603.5.10	Steam or Hot Water Boilers	603.5.10		Keep amendment	
		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.
		609.11	Insulation of Potable Water Piping	609.12		Keep amendment <span style="color: red;">corelate with wsec c-403.10.3 and Table</span>	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							
	<a href="#">WAC Number: 51-56-0700</a>						
		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							
	<a href="#">WAC Number: 51-56-0800</a>						
							There are NO existing WA amendments to this chapter.
Chapter 9—Vents							
TAG Member: Steve Hart							
	<a href="#">WAC Number: 51-56-0900</a>						
		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. Steve Hart: I would like to know why this amendment was introduced



			911.1	Circuit Vent Permitted			Modify amendment	<b>911.1 Circuit Vent Permitted.</b> 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. <b>Exception:</b> 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.
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#### Chapter 10—Traps and interceptors

TAG Member: Eric Mills

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

								There are NO existing WA amendments to this chapter

#### Chapter 11—Storm drainage

TAG Member: Ed Holmes

[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								
	<a href="#">WAC Number: 51-56-1300</a>							
								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.
		1303.8	Water Mains for Hospitals	1303.8	None		Keep Amendment	
		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:								
	<a href="#">WAC Number: 51-56-1400</a>							
Chapter 15—Alternate water sources for nonportable applications								
TAG Member: Sandhu Harpeet								
	<a href="#">WAC Number: 51-56-1500</a>							
								Model code language omits the language and the Washington State Department of Health shall apply
		1501.1	Applicability	15.01.1	Keep amendment		Keep Amendment	
Chapter 16—Nonportable rainwater catchment systems								
TAG Member: Steve Hart								
	<a href="#">WAC Number: 51-56-1600</a>							

			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.
Chapter 17—Referenced standards								
TAG Member: TAG								
	<a href="#">WAC Number: 51-56-1700</a>							
90700 Reserved								
TAG Member:								
	<a href="#">WAC Number: 51-56-90700</a>							