MaP
Maximum Performance

HIGH-EFFICIENCY URINALS (HEUs)
U.S. and CANADA
August 24, 2018

What is a High-Efficiency Urinal?

The High Efficiency Urinal (HEU) has been a part of the North American plumbing fixture marketplace for over 25 years. This long history includes both flushing and non-water urinals. It is only within the past 15 years, however, that the water utility and plumbing industries determined that it was time to adopt a definition of an HEU in order to avoid marketplace confusion.

The HEU is defined as a fixture that operates at 0.5-gallons per flush (gpf) (1.9-Litres per flush - Lpf) or less, a threshold that is 50 percent less than the current U.S. national product standard (maximum) mandated by the U.S. Energy Policy Act in 1992, which became effective in 1994. This 50 percent threshold serves as a metric for water authorities and municipalities designing more aggressive commercial plumbing fixture retrofit programs and, in many cases, establishes an additional performance tier for their financial incentives (e.g., rebate programs). Furthermore, it also serves as a "guidepost" for the various green building programs, standards, and codes being developed and used in North America. Finally, 0.5-gpf (1.9-Lpf) has been adopted by the U.S. EPA's WaterSense® Program as the maximum volume for it's flushing urinal specification.

High-Efficiency Urinals in the North American Marketplace

Fixtures currently considered as qualifying for the HEU designation fall into several different design and flush volume categories. View the tables that follow, which are organized to display those categories and reflect the latest information obtained from the manufacturers and other sources (WaterSense® and Certifying Bodies). The flush volumes shown in the tables are as certified and/or as reported by the manufacturer. It is always the responsibility of the reader to verify this information before making purchase or plumbing design decisions.

We urge readers to seek out performance and maintenance information from industry and other sources. We also strongly urge readers to perform a full life cycle cost analysis of purchase, installation, and maintenance before making a purchase decision. **DO NOT ASSUME that all urinals (and their attached drainlines) experience the same cost of ongoing maintenance!**

WaterSense® High-Efficiency Urinals

Included in these tables is a column that identifies those fixtures have been reported by recognized Certification Bodies as certified to the U.S. EPA's WaterSense® specification for high-efficiency flushing urinals. Information about the WaterSense® labeling program for high-efficiency flushing urinals may be found at: https://www.epa.gov/watersense/urinals

The WaterSense® urinal specification may be found at:
 https://www.epa.gov/sites/production/files/2017-01/documents/ws-products-spec-urinals.pdf

The EPA's listing of WaterSense®-certified flushing urinals may be searched here:
https://www.epa.gov/watersense/product-search

This MaP listing of HEUs is periodically updated by the authors. The latest version may always be accessed at **www.map-testing.com**

NOTE: Numerous water providers in North America use this HEU list for qualifying urinal products for rebates under their water conservation programs. Therefore, manufacturers and their representatives are urged to contact the authors to correct any errors in these listings and to add new high-efficiency urinal products to this list when those products become available.

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Table 1. Flushing High-Efficiency Urinal Fixtures (0.5-gallons per flush – 1.9 litres per flush)

Manufacturer	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Acorn Engineering	Penal-Ware	1709HEU	SS	No	No
	http://acorneng.com/product.aspx?ProductID=1312&title=ADA+Stainless+Steel+High+Efficiency+Urinal+for+Rear+Mount+(Chase)+Application				
American Standard	Selectronic Innsbrook	6520.001	VC	No	Yes (battery)
	Selectronic Innsbrook	6520.003	VC	No	Yes (hard wired AC)
	Universal Allbrook	6550.001 (top spud)	VC	**Yes**	No
	Washbrook Flowise	6590.005 (top spud)	VC	**Yes**	No
	Washbrook Flowise Universal	6590.001 (top spud)	VC	**Yes**	No
	Washbrook Flowise Universal	6515.001 (back spud)	VC	**Yes**	No
	Washbrook Flowise	6515.005 (back spud)	VC	**Yes**	No
	Pintbrook	6002.001 (top spud)	VC	**Yes**	No
	Stallbrook	6400.001	VC	**Yes**	No
	Maybrook	6581.001	VC	**Yes**	No
	https://www.americanstandard-us.com/bathroom/commercial-urinals				
AMTC	System (fixture & valve)	MF101812U05	VC	**Yes**	
	System (fixture & valve)	AEF101812U05	VC	**Yes**	
	System (fixture & valve)	HSM101812U05	VC	**Yes**	
	System (fixture & valve)	AEFHW101812U05	VC	**Yes**	
	System (fixture & valve)	AEFC101812U05	VC	**Yes**	
	System (fixture & valve)	AEFWB101812U05	VC	**Yes**	
	System (fixture & valve)	MF101814U05	VC	**Yes**	
	System (fixture & valve)	AEF101814U05	VC	**Yes**	
	System (fixture & valve)	HSM101814U05	VC	**Yes**	
	System (fixture & valve)	AEFHW101814U05	VC	**Yes**	
	System (fixture & valve)	AEFC101814U05	VC	**Yes**	
	System (fixture & valve)	AEFWB101814U05	VC	**Yes**	
	http://www.amtcorporation.com/index.htm				
Briggs	Hilton	7521 (top spud)	VC	**Yes**	No
	Lawton	7553 (top spud)	VC	**Yes**	No
	https://www.briggsplumbing.com/commercial-products/all				
Caroma	Cube Ultra Electronic	678668 (combination): comprised of 686069 urinal fixture (rear spud) equipped with Caroma Electronic Flushometer Valve 687282	VC	**No**	Yes
	http://www.caromausa.com/				
Contrac	Calder	4810BEX (top spud)	VC	**Yes**	No
	Calder	4810BEY (back spud)	VC	**Yes**	No
	Carlton	4810BFX (top spud)	VC	**Yes**	No
	Carlo	4810BHX (top spud)	VC	**Yes**	No
	Carlo	4810BHY (back spud)	VC	**Yes**	No
	Canata	4810BMX (top spud)	VC	**Yes**	No
	http://www.contrac.ca/				
Crane	Eco Richland	7120 (top spud)	VC	**Yes**	
	Eco Crawford	7399	VC	**Yes**	
	http://www.craneplumbing.com				
Duravit	Architec	081836	VC	**Yes**	No
	Architec	082036	VC	**Yes**	No
	Caro	083630	VC	**F/V - Yes**	Yes
	DuraStyle	280630	VC	**Yes**	
	DuraStyle	280631	VC	**Yes**	
	Philippe Starck 1	083432	VC	**F/V - Yes**	Yes
	Philippe Starck 1	083532	VC	**F/V - Yes**	Yes
	Vero	280132	VC	**F/V - Yes**	Yes
	Vero	280032	VC	**F/V - Yes**	Yes
	Starck 3	082135	VC	**Yes**	No
	ME by Starck (0.33 gpf)	280930	VC	**Yes**	
	http://www.duravit.us/website/homepage/products/product_overview/series/architec.us-en.html#filter-urinals				
Foremost	None	C4810BEX (top spud)	VC	**Yes**	No
	None	C4810BEY (back spud)	VC	**Yes**	No
	None	C4810BFX (top spud)	VC	**Yes**	No
	None	C4810BHX (top spud)	VC	**Yes**	No
	None	C4810BHY (back spud)	VC	**Yes**	No
	Canata	C4810BMX (top spud)	VC	**Yes**	No
	Rondo	UR-490-Y (top spud)	VC	**Yes**	No
	https://foremostcanada.com/product-category/vitreous-china/				
Hajoca	Mainline	MLS10412	VC	**Yes**	No
	Mainline	MLS10413	VC	**Yes**	No
	Mainline	MLS10414	VC	**Yes**	No
HD Supply - Seasons	None	564812 (top spud)	VC	**Yes**	No
	https://hdsupplysolutions.com/shop/p/seasons®-top-spud-washout-flush-urinal-p564812				

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Table 1. Flushing High-Efficiency Urinal Fixtures (0.5-gallons per flush – 1.9 litres per flush) - continued

Manufacturer	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Gerber	North Point	HE-27-720 (top spud)	VC	Yes	No
	North Point	HE-27-730 (top spud)	VC	Yes	No
	North Point	HE-27-725 (back spud)	VC	Yes	No
	North Point	HE-27-735 (back spud)	VC	Yes	No
	Monitor	HE-27-800	VC	Yes	
	Lafayette	HE-27-900	VC	Yes	
http://www.gerberonline.com/shop/searchproduct.aspx?pi=3&kw=North+Point					
Kohler	Bardon	K-4915	VC	No	Yes
	Bardon	K-4960-ET (top spud)	VC	Yes	No
	Bardon	K-4960-ER (rear spud)	VC	Yes	No
	Bardon	K-4991-ER (rear spud)	VC	Yes	No
	Bardon	K-4991-ET (top spud)	VC	Yes	No
	Bardon Touchless	K-2590	VC	Yes	
	Dexter	K-5016-ER (rear spud)	VC	Yes	No
	Dexter	K-5016-ET (top spud)	VC	Yes	No
	Darfield	K-5024-T (top spud)	VC	No	No
	Stanwell	K-25048-ET (top spud)	VC	Yes	No
	Stanwell	K-25048-ER (rear spud)	VC	Yes	No
https://www.us.kohler.com/us/browse/bathroom-commercial-bathroom-urinals/_/N-25aj					
Mansfield	Cascade	410HE (top spud)	VC	Yes	No
	Cascade	410HE-RS (rear spud)	VC	Yes	No
	Adam	401HE	VC	Yes	No
https://www.mansfieldplumbing.com/product-category/commercial/?page_number=1&category=commercial-urinals					
ProFlo (by Ferguson)	None	PF1805 (top spud, wash out)	VC	Yes	No
	None	PF1801	VC	Yes	No
	None	PF1815 (top spud, siphon jet)	VC	Yes	No
	None	PF1825 (top spud, wash out)	VC	Yes	No
	None	PF1835	VC	Yes	No
http://www.proflo.com/proflo/showRecordList.do?Ntt=Urinal					
Sloan Valve	Efficiency Series	SU-1005A (top spud)	VC	Yes	No
	Efficiency Series	SU-1015A (rear spud)	VC	Yes	No
	Efficiency Series	WEUS 1005.1001-0.5*	VC	Yes	No (manual)
	Efficiency Series	WEUS 1005.1201-0.5 SOLIS*	VC	Yes	Yes (electronic sensor)
	Efficiency Series	WEUS 1005.1301-0.5*	VC	Yes	
	Efficiency Series	WEUS 1005.1304-0.5 SOLIS*	VC	Yes	
	Efficiency Series	WEUS 1005.1401-0.5 ECOS*	VC	Yes	Yes (electronic sensor)
	Efficiency Series	WEUS 1205.1001-0.5*	VC	Yes	
	Efficiency Series	WEUS 1205.1301-0.5 *	VC	Yes	
	Efficiency Series	WEUS 1205.1410-0.5*	VC	Yes	
	Efficiency Series	WEUS 1205.1010*	VC	Yes	
	Efficiency Series	WEUS 1205.1020*	VC	Yes	
	Efficiency Series	WEUS 1205.1415*	VC	Yes	
	Efficiency Series	SU-7009A (top spud)	VC	Yes	
	Efficiency Series	SU-7019A (rear spud)	VC	Yes	
	Efficiency Series	SU-1205A (top spud)	VC	Yes	No
	Efficiency Series	SU-1215A (rear spud)	VC	Yes	No
	Efficiency Series	SU-1009A	VC	Yes	
	Efficiency Series	SU-1209A	VC	Yes	
	Efficiency Series	SU-1219A	VC	Yes	
https://www.sloan.com/commercial-bathroom-products/urinals/browse		*-urinal fixture coupled with flush valve			
Toto	None	UT104E (top spud)	VC	Yes	No
	None	UT104EV (rear spud)	VC	Yes	No
	None	UT447E (top spud)	VC	Yes	No
	None	UT447EV (rear spud)	VC	Yes	No
https://www.totousa.com/products/commercial#subcategories=10170128115972183709					
Tynan	None	7101PT	VC	Yes	No
	Charon	7100	VC	Yes	No
	Aeron	7101	VC	Yes	No
	Damon	7102	VC	Yes	No
	Avalon	7103	VC	Yes	No
Vortens (Porcelana Corona)	Austral Zeros	3601 (top spud)	VC	Yes	No
	Verona Zeros	3621 (top spud)	VC	Yes	No
	http://vortens.com/				
Willoughby Industries	Ligature Resistant	ASUW-1314-HEU-BS	SS	Yes	
	Ligature Resistant	ASUW-1314-HEU-FA-BS	SS	Yes	
	Ligature Resistant	UW-1317-HEU-BS	SS	Yes	
	Ligature Resistant	UW-1314-HEU-TS	SS	Yes	
	Ligature Resistant	UW-1314-HEU-FA-BS	SS	Yes	
	Ligature Resistant	UW-1314-HEU-FA-TS	SS	Yes	
https://www.willoughby-ind.com/product-category/products/urinals-products/					

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Table 1. Flushing High-Efficiency Urinal Fixtures (0.5-gallons per flush – 1.9 litres per flush) - continued

Manufacturer	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Zurn	EcoVantage	Z5751.196 (top spud)	VC	No	No (manual)
	EcoVantage	Z5751.219 (top spud)	VC	No	No (manual)
	EcoVantage	Z5751.201 (top spud)	VC	No	Yes
	EcoVantage	Z5751.245 (top spud)	VC	No	Yes
	EcoVantage	Z5752.245 (rear spud)	VC	No	Yes
	EcoVantage	Z5752.245 (rear spud)	VC	No	Yes
	AquaSense	ZTR6203-EWS	VC	**Yes**	
	AquaSense	Z6003AV-EWS	VC	**Yes**	
	Omni-Flo	Z5755U	VC	**Yes**	
	Omni-Flo	Z5765U	VC	**Yes**	
	Small Pint	Z5738U	VC	**Yes**	
	Siphon Jet	Z5730	VC	**Yes**	
https://www.zurn.com/products/finish-plumbing/fixtures/urinals					

Table 2. Flushing High-Efficiency Urinal Fixtures (0.25 gallons per flush – 0.9 litres per flush)

Manufacturer/ Brand	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Acorn Engineering	Penal-Ware	1709HEU	SS	**No**	No
	http://acorneng.com/product.aspx?ProductID=1312&title=ADA+Stainless+Steel+High+Efficiency+Urinal+for+Rear+Mount+(Chase)+Application				
American Standard	Maybrook	6581.001	VC	**Yes**	No
	https://www.americanstandard-us.com/bathroom/commercial-urinals				
Sloan Valve	Efficiency Series	WEUS 1002.1001-0.25 (top spud)	VC	**Yes**	No (manual)
	Efficiency Series	WEUS 1002.1201-0.25 SOLIS (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1002.1301-0.25 (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1002.1302-0.25 (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1002.1303-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1002.1304-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1002.1401-0.25 ECOS (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1002.1402-0.25 SMO (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1002.1403-0.25-SMOOTH (top spud)	VC	**Yes**	Yes
	Efficiency Series	WEUS 1012.1011-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1012.1311-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1202.1001-0.25 SOLIS (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1202.1301-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1202.1410-0.25 (top spud)	VC	**Yes**	
	Efficiency Series	WEUS 1202.1015	VC	**Yes**	
	Efficiency Series	SU-1002A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-1012A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-1202A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-1212A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-7009A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-7019A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-1009A	VC	**Yes**	
	Efficiency Series	SU-1209A	VC	**Yes**	
	Efficiency Series	SU-1219A	VC	**Yes**	
*-urinal fixture with flush valve					
http://www.sloanvalve.com/Our_Products.aspx					
Duravit	Starck 3	082544 (top spud)	VC	**Yes**	No
	Starck 3	082444 (rear spud)	VC	**Yes**	No
http://www.duravit.us/website/homepage/products/product_overview/series/starck_3.us-en.html#filter-urinals					
ProFlo (by Ferguson)	None	PF1815PT	VC	**Yes**	No
	http://www.proflo.com/proflo/showRecordList.do?Ntt=Urinal				
Tynan	Charon	7100PT (top spud)	VC	**Yes**	No
	Charon	7101PT	VC	**Yes**	No
Vitra	EverGreen	5321-XXX-0198 (top spud)	VC	No	No (manual available)
	EverGreen	5321-XXX-0199 (rear spud)	VC	No	No (manual available)
http://usa.vitra.com.tr/vitrakatalog/seramik_banyo_takimlari.aspx?category=002004001&product=5231B003-0198					
Zurn	Omni-Flo	Z5755U	VC	**Yes**	
	Omni-Flo	Z5765U	VC	**Yes**	
	Small Pint	Z5738U	VC	**Yes**	

Table 3. Flushing High-Efficiency Urinal Fixtures (1-PINT/0.125 gal per flush – 0.5 litres per flush)

Manufacturer/ Brand	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Acorn Engineering	Penal-Ware	1709HEU	SS	**No**	No
	http://acorneng.com/product.aspx?ProductID=1312&title=ADA+Stainless+Steel+High+Efficiency+Urinal+for+Rear+Mount+(Chase)+Application				
American Standard	Washbrook Flowise 0.125	6515.125 (back spud)	VC	**Yes**	No
	Washbrook Flowise Universal	6515.001 (back spud)	VC	**Yes**	No
	Washbrook Flowise 0.125	6590.125 (top spud)	VC	**Yes**	No
	Washbrook Flowise Universal	6590.001 (top spud)	VC	**Yes**	No
	Washbrook Flowise	6590.525	VC	**Yes**	
	Maybrook	6581.001	VC	**Yes**	No
	Pintbrook	6002.501	VC	**Yes**	
	Pintbrook	6002.503	VC	**Yes**	
	Pintbrook	6002.505	VC	**Yes**	
	Pintbrook	6002.525	VC	**Yes**	
	Decorum 1 pt	6042.001 (top spud)	VC	**Yes**	No
	Decorum	6042.453 (top spud)	VC	**Yes**	No
	Decorum	6042.633 (top spud)	VC	**Yes**	No
	Decorum 1 pt	6043.001 (back spud)	VC	**Yes**	No
	https://www.americanstandard-us.com/bathroom/commercial-urinals				
AMTC	Fixture	AUU-1018-12	VC	**Yes**	
	Fixture	AUU-1018-14	VC	**Yes**	
	System (fixture & valve)	MF101812U18	VC	**Yes**	
	System (fixture & valve)	AEF101812U18	VC	**Yes**	
	System (fixture & valve)	HSM101812U18	VC	**Yes**	
	System (fixture & valve)	AEFHW101812U18	VC	**Yes**	
	System (fixture & valve)	AEFC101812U18	VC	**Yes**	
	System (fixture & valve)	AEFWB101812U18	VC	**Yes**	
	System (fixture & valve)	MF101814U18	VC	**Yes**	
	System (fixture & valve)	AEF101814U18	VC	**Yes**	
	System (fixture & valve)	HSM101814U18	VC	**Yes**	
	System (fixture & valve)	AEFHW101814U18	VC	**Yes**	
	System (fixture & valve)	AEFC101814U18	VC	**Yes**	
	System (fixture & valve)	AEFWB101814U18	VC	**Yes**	
	http://www.amtcorporation.com/				
Contrac	Kolby	4810BSY	VC	**Yes**	No
	Kolby	4810BSX (0.1 gpf volume)	VC	**Yes**	No
	Bartleigh	4810BNX	VC	**Yes**	No
	Bartleigh	4810BNY	VC	**Yes**	No
	http://www.contrac.ca/				
CYI Industry Ltd.	Washout	U580	VC	**Yes**	No
Duravit	ME by Starck	280931		**Yes**	
	https://www.duravit.us/products/toileshing/urinals.us-en.html?type=overview				
Foremost	None	C4810BSY	VC	**Yes**	No
	None	C4810BSX (0.1 gpf volume)	VC	**Yes**	No
	https://foremostcanada.com/product-category/vitreous-china/				
Gerber	North Point	HE-27-721	VC	**Yes**	No
	North Point	HE-27-731	VC	**Yes**	No
	http://www.gerberonline.com/shop/searchproduct.aspx?pi=3&kw=North+Point				
Kohler	Bardon	K-4904-ER (rear spud)	VC	**Yes**	No
	Bardon	K-4904-ET (top spud)	VC	**Yes**	No
	Bardon	K-4991-ER (rear spud)	VC	**Yes**	No
	Bardon	K-4991-ET (top spud)	VC	**Yes**	No
	Dexter	K-5452-ER (rear spud)	VC	**Yes**	No
	Dexter	K-5452-ET (top spud0	VC	**Yes**	No
	Steward Hybrid	K-5244-ET (top spud)	VC	**Yes**	No
	Steward Hybrid	K-5244-ER (rear spud)	VC	**Yes**	No
	https://www.us.kohler.com/us/browse/bathroom-commercial-bathroom-urinals/_/N-25aj				
Mansfield	Brevity	421 (top spud)	VC	No	No
	Brevity	422 (top spud)	VC	**Yes**	No
	Brevity	422RS (rear spud)	VC	**Yes**	No
	https://www.mansfieldplumbing.com/product-category/commercial/?page_number=1&category=commercial-urinals				
Megabrand	None	U101HE (system with Sloan valve)	VC	**Yes**	
	http://www.megabrandkitchen.com/about.asp				
ProFlo (by Ferguson)	None	PF1815PT	VC	**Yes**	No
	None	PF1825PT	VC	**Yes**	No
	http://www.proflo.com/proflo/showRecordList.do?Ntt=Urinal				

Table 3. Flushing High-Efficiency Urinal Fixtures (1-PINT/0.125 gal per flush – 0.5 litres per flush) – cont'd

Manufacturer/ Brand	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Sloan Valve	Efficiency Series	WEUS 1010.1011-0.125 (rear spud)*	VC	**Yes**	No (manual)
	Efficiency Series	WEUS 1000.1001-0.125 (top spud)*	VC	**Yes**	No (manual)
	Efficiency Series	WEUS 1010.1311-0.125 ESS (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1010.1312-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1010.1313-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1010.1331-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1000.1201-0.125 SOLIS (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1301-0.125 ESS (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1302-0.125 HWS (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1303-0.125 ESS OR (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1304-0.125 ESS OR (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1000.1331-0.125 ESS OR (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1000.1401-0.125 ECOS (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1411-0.125 HW ECOS C (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1402-0.125 SMO (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1000.1403-0.125 SMOOTH (top spud)*	VC	**Yes**	Yes
	Efficiency Series	WEUS 1200.1001-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1201-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1301-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1410-0.125 (top spud)*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1006*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1010*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1415*	VC	**Yes**	
	Efficiency Series	WEUS 1200.1420*	VC	**Yes**	
	Efficiency Series	WEUS 1210.1035*	VC	**Yes**	
	Efficiency Series	WEUS 1210.1311*	VC	**Yes**	
	Efficiency Series	WEUS 1210.1320	VC	**Yes**	
	Efficiency Series	WEUS 1210.1020*	VC	**Yes**	
	Efficiency Series	SU-1000A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-1010A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-1200A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-1210A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-7009-A (top spud)	VC	**Yes**	No
	Efficiency Series	SU-7019-A (rear spud)	VC	**Yes**	No
	Efficiency Series	SU-1009 (rear spud)	VC	**Yes**	
	Efficiency Series	SU-1209A	VC	**Yes**	
	Efficiency Series	SU-1019	VC	**Yes**	
	Efficiency Series	SU-1219A	VC	**Yes**	
https://www.sloan.com/commercial-bathroom-products/urinals/browse			*-urinal fixture coupled with flush valve		
Toto	None	UT105U (top spud)	VC	**Yes**	No
	None	UT105UV (rear spud)	VC	**Yes**	No
	None	UT105UG	VC	**Yes**	No
	None	UT105UVG	VC	**Yes**	No
	None	UT445U	VC	**Yes**	No
https://www.totousa.com/products/commercial#subcategories=10170128115972183709					
Tynan	Charon	7100PT	VC	**Yes**	No
	Damon	7102PT	VC	**Yes**	No
Vortens - Lamosa	Austral Zero5	3601 (top spud)	VC	**Yes**	No
	Verona Zero5	3621 (top spud)	VC	**Yes**	No
http://vortens.com/					

Table 3. Flushing High-Efficiency Urinal Fixtures (1-pint/0.125 gal per flush – 0.5 litres per flush) - cont'd

Manufacturer/ Brand	Model Name	Model Number	Mat'l	WaterSense® compliant?	Integral Flush Valve Sensor?
Zurn	The Pint	Z5798.205 (top spud)	VC	**F/V**	Yes
	The Pint	Z5798.206 (top spud)	VC	**Yes** (fixture certified with 5 different certified Zurn flush valves)	Yes
	The Pint	Z5798.207 (top spud)	VC		No (manual)
	The Pint	Z5798.235 (top spud)	VC		Yes
	The Pint	Z5798.234 (top spud)	VC		Yes
	The Pint	Z5799 (rear spud)	VC	**F/V - Yes**	Yes
	Small Pint	Z5738.205 (top spud)	VC	**F/V**	Yes
	Small Pint	Z5738.206 (top spud)	VC	**Yes** (fixture certified with 5 different certified Zurn flush valves)	Yes
	Small Pint	Z5738.207 (top spud)	VC		No (manual)
	Small Pint	Z5738.235 (top spud)	VC		Yes
	Small Pint	Z5738.234 (top spud)	VC		Yes
	Omni-Flo	Z5755U	VC	**Yes** (fixture certified with 5 different certified Zurn valves)	
	Omni-Flo	Z5765U	VC		
	Retrofit Pint	Z5758.205 (top spud)	VC	**F/V**	Yes
	Retrofit Pint	Z5758.206 (top spud)	VC	**Yes** (fixture certified with 5 different certified Zurn flush valves)	Yes
	Retrofit Pint	Z5758.207 (top spud)	VC		No (manual)
	Retrofit Pint	Z5758.235 (top spud)	VC		Yes
	Retrofit Pint	Z5758.234 (top spud)	VC		Yes
	Retrofit Pint	Z5759 (rear spud)	VC	**F/V - Yes**	Yes
	Full Stall Pint	Z5792.205 (top spud)	VC	No	Yes
	Full Stall Pint	Z5792.206 (top spud)	VC	No	Yes
	Full Stall Pint	Z5792.207 (top spud)	VC	No	No (manual)
	Full Stall Pint	Z5792.235 (top spud)	VC	No	Yes
	Full Stall Pint	Z5792.234 (top spud)	VC	No	Yes
	Nano Pint	Z5708.205 (top spud)	VC	**F/V**	Yes
	Nano Pint	Z5708.206 (top spud)	VC	**Yes** (fixture certified with 5 different certified Zurn flush valves)	Yes
	Nano Pint	Z5708.207 (top spud)	VC		No (manual)
	Nano Pint	Z5708.235 (top spud)	VC		Yes
	Nano Pint	Z5708.234 (top spud)	VC		Yes
https://www.zurn.com/products/finish-plumbing/fixtures/urinals					

Table 4. HYBRID (Non-Water **and** Flushing) High-Efficiency Urinal Fixtures
(urinals periodically flush with drain cleansing water on a programmed schedule)

Manufacturer/ Brand	Model Name	Model Number	Mat'l	WaterSense compliant urinal?	Integral valve?
Sloan Valve	Hybrid Urinal	HYB-1000	VC	No	Yes
	Hybrid Urinal	HYB-1000-RET	VC	No	Yes
	Hybrid Urinal	HYB-4000	VC	No	Yes
	Hybrid Urinal	HYB-7000	VC	No	Yes
https://www.sloan.com/commercial-bathroom-products/urinals/browse					

Table 5. WaterSense®-Compliant High-Efficiency Flushometer Valves (Flushing Devices for Urinals)

Manufacturer/Brand	Model Name	Model Number	Flush Volume
Advanced Modern Technologies (AMTC)	None	MF-700-U18	0.125 gpf – 0.5 Lpf
	None	MF-700-U05	0.5 gpf – 1.9 Lpf
	Hybridflush	AEF-801-CU-18	0.125 gpf – 0.5 Lpf
	Hybridflush	AEF-801-CU-05	0.5 gpf – 1.9 Lpf
	Hybridflush	HSM-801-CU-18	0.125 gpf – 0.5 Lpf
	Hybridflush	HSM-801-CU-05	0.5 gpf – 1.9 Lpf
	Hybridflush	AEF-801-HWCU-18	0.125 gpf – 0.5 Lpf
	Hybridflush	AEF-801-HWCU-05	0.5 gpf – 1.9 Lpf
	Hybridflush	AEF-801-CCU-18	0.125 gpf – 0.5 Lpf
	Hybridflush	AEF-801-CCU-05	0.5 gpf – 1.9 Lpf
	Hybridflush	AEF-801-WBCCU-18	0.125 gpf – 0.5 Lpf
	Hybridflush	AEF-801-WBCCU-05	0.5 gpf – 1.9 Lpf
http://www.amtcorporation.com/			
American Standard	FloWise	6045SM.013	0.125 gpf – 0.5 Lpf
	FloWise	6045SM.051	0.5 gpf – 1.9 Lpf
	FloWise	6045.505	0.5 gpf – 1.9 Lpf
	Selectronic	6061.013	0.125 gpf – 0.5 Lpf
	Selectronic	6061.025	0.25 gpf – 0.95 Lpf
	Selectronic	6061.051	0.5 gpf – 1.9 Lpf
	Selectronic	6061.201	0.125 gpf – 0.5 Lpf
	Selectronic	6061.301	0.125 gpf – 0.5 Lpf
	Selectronic	6061.401	0.125 gpf – 0.5 Lpf
	Selectronic	6061.501	0.125 gpf – 0.5 Lpf
	Selectronic	6062.013	0.125 gpf – 0.5 Lpf
	Selectronic	6064.013	0.125 gpf – 0.5 Lpf
	Selectronic	6064.025	0.025 gpf – 0.95 Lpf
	Selectronic	6064.051	0.5 gpf – 1.9 Lpf
	Selectronic	6062.025	0.025 gpf – 0.95 Lpf
	Selectronic	6062.051	0.5 gpf – 1.9 Lpf
	Selectronic	6062.201	0.125 gpf – 0.5 Lpf
	Selectronic	6062.301	0.125 gpf – 0.5 Lpf
	Selectronic	6062.401	0.125 gpf – 0.5 Lpf
	Selectronic	6062.501	0.125 gpf – 0.5 Lpf
	Selectronic	6063.013	0.125 gpf – 0.5 Lpf
	Selectronic	6063.025	0.25 gpf – 0.95 Lpf
	Selectronic	6063.201	0.125 gpf – 0.5 Lpf
	Selectronic	6063.301	0.125 gpf – 0.5 Lpf
	Selectronic	6063.401	0.125 gpf – 0.5 Lpf
	Selectronic	6063.501	0.125 gpf – 0.5 Lpf
	Selectronic	6063.513	0.125 gpf – 0.5 Lpf
	Selectronic	6061.205	0.5 gpf – 1.9 Lpf
	Selectronic	6061.305	0.5 gpf – 1.9 Lpf
	Selectronic	6061.405	0.5 gpf – 1.9 Lpf
	Selectronic	6061.505	0.5 gpf – 1.9 Lpf
	Selectronic	6062.205	0.5 gpf – 1.9 Lpf
	Selectronic	6062.305	0.5 gpf – 1.9 Lpf
	Selectronic	6062.405	0.5 gpf – 1.9 Lpf
	Selectronic	6062.505	0.5 gpf – 1.9 Lpf
	Selectronic	6063.051	0.5 gpf – 1.9 Lpf
	Selectronic	6063.205	0.5 gpf – 1.9 Lpf
	Selectronic	6063.305	0.5 gpf – 1.9 Lpf
	Selectronic	6063.405	0.5 gpf – 1.9 Lpf
	Selectronic	6063.505	0.5 gpf – 1.9 Lpf
	Selectronic	6063.515	0.5 gpf – 1.9 Lpf
	FloWise	7015.051	0.5 gpf – 1.9 Lpf
	Selectronic	7093.051	0.5 gpf – 1.9 Lpf
	Selectronic	606B.051	0.5 gpf – 1.9 Lpf
	Selectronic	606B.025	0.25 gpf – 0.95 Lpf
	Selectronic	606B.013	0.125 gpf – 0.5 Lpf
	Selectronic	606B.205	0.5 gpf – 1.9 Lpf
	Selectronic	606B.305	0.5 gpf – 1.9 Lpf
	Selectronic	606B.405	0.5 gpf – 1.9 Lpf
	Selectronic	606B.505	0.5 gpf – 1.9 Lpf
	Selectronic	606B.201	0.125 gpf – 0.5 Lpf
	Selectronic	606B.301	0.125 gpf – 0.5 Lpf
	Selectronic	606B.401	0.125 gpf – 0.5 Lpf
	Selectronic	606B.501	0.125 gpf – 0.5 Lpf
	Side Mount	6045SM.013	0.125 gpf – 0.5 Lpf
	Side Mount	6045SM.051	0.5 gpf – 1.9 Lpf
https://www.americanstandard-us.com/bathroom/commercial-flushometers?page=1&plimit=21			
Crane	None	6113.051	0.5 gpf – 1.9 Lpf
	None	6725.051	0.5 gpf – 1.9 Lpf
http://www.craneplumbing.com			

Table 5. WaterSense®-Compliant High-Efficiency Flushometer Valves (Flushing Devices for Urinals) -cont'd

Manufacturer/Brand	Model Name	Model Number	Flush Volume
Delta (Masco)	None	81T2a1bA-c-de-f19h	0.125 gpf - 0.5 Lpf
	None	81T2a1bA-c-de-f05h	0.5 gpf - 1.9 Lpf
	None	81T231-f05-WMSbA-e	0.125 gpf - 0.5 Lpf
	None	81T231-f19-WMSbA-e	0.5 gpf - 1.9 Lpf
	None	81T2a1-b-cd05	0.125 gpf - 0.5 Lpf
	None	81T2a1-b-cd19	0.5 gpf - 1.9 Lpf
	None	83Tabc-d05	0.125 gpf - 0.5 Lpf
	None	83Tabc-d19	0.5 gpf - 1.9 Lpf
I-CON Systems	I-CON	VLV-FVL-3000-U-0.25-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3005-U-0.25-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3050-U-0.25-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3050-U-0.25-0002	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3000-U-0.5-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3005-U-0.5-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3005-U-0.5-0002	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3050-U-0.5-0001	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3050-U-0.5-0002	0.25 gpf – 0.95 Lpf
	I-CON	VLV-FVL-3050-U-0.5-0003	0.25 gpf – 0.95 Lpf
http://www.i-con.com/BrowseProducts.aspx			
Hydrotek International	None	H8-B1.125	0.125 gpf – 0.5 Lpf
	None	HB8-B1.125	0.125 gpf – 0.5 Lpf
	None	H8-B1.125DC	0.125 gpf – 0.5 Lpf
	None	H8SLE-B1.125	0.125 gpf – 0.5 Lpf
	None	H8-B1-05	0.5 gpf – 1.9 Lpf
	None	HB8-B1-05	0.5 gpf – 1.9 Lpf
	None	H8-B1-05DC	0.5 gpf – 1.9 Lpf
	None	HB8SLE-B1-05	0.5 gpf – 1.9 Lpf
http://hydrotekintl.com			
I-CON	None	VLV-FVL-3000-U-0.25-0001	0.25 gpf – 0.95 Lpf
	None	VLV-FVL-3005-U-0.25-0001	0.25 gpf – 0.95 Lpf
	None	VLV-FVL-3050-U-0.25-0001	0.25 gpf – 0.95 Lpf
	None	VLV-FVL-3000-U-0.25-0002	0.25 gpf – 0.95 Lpf
	None	VLV-FVL-3000-U-0.5-0001	0.5 gpf – 1.9 Lpf
	None	VLV-FVL-3005-U-0.5-0001	0.5 gpf – 1.9 Lpf
	None	VLV-FVL-3005-U-0.5-0002	0.5 gpf – 1.9 Lpf
	None	VLV-FVL-3050-U-0.5-0001	0.5 gpf – 1.9 Lpf
	None	VLV-FVL-3050-U-0.5-0002	0.5 gpf – 1.9 Lpf
	None	VLV-FVL-3050-U-0.5-0003	0.5 gpf – 1.9 Lpf
Kohler	Touchless	K-10949	0.5 gpf – 1.9 Lpf
	Touchless	K-10958	0.5 gpf – 1.9 Lpf
	Wave	K-10668	0.125 gpf – 0.5 Lpf
	Wave	K-10675	0.5 gpf – 1.9 Lpf
	None	K-13519	0.5 gpf – 1.9 Lpf
	None	K-13520	0.125 gpf – 0.5 Lpf
	Primme	K-76317	0.125 gpf – 0.5 Lpf
	Primme	K-76318	0.5 gpf – 1.9 Lpf
http://www.us.kohler.com/onlinecatalog/product_result_gen.jsp?category=20&dynamic=y&attribute=k6d_type&filterVal=Manual%20Urinal&sectionVal=Flushometers			
Moen	None	8315	0.5 gpf – 1.9 Lpf
	None	8315AC05	0.5 gpf – 1.9 Lpf
	None	8316	0.125 gpf – 0.5 Lpf
	None	8316AC	0.5 gpf – 1.9 Lpf
	None	8312M05	0.5 gpf – 1.9 Lpf
	None	8312M0125	0.125 gpf – 0.5 Lpf
	None	8312MR05	0.5 gpf – 1.9 Lpf
	None	8312MR0125	0.125 gpf – 0.5 Lpf
	None	8312SR05	0.5 gpf – 1.9 Lpf
	None	8312SR125	0.125 gpf – 0.5 Lpf
http://pro.moen.com/commercial/flush-valves/_/N-6aq			

Table 5. WaterSense®-Compliant High-Efficiency Flushometer Valves (Flushing Devices for Urinals) -cont'd

Manufacturer/Brand	Model Name	Model Number	Flush Volume
Sloan Valve	Sloan, Royal, Ecos, or Optima Plus	186-0.125	0.125 gpf – 0.5 Lpf
	Sloan, Royal, or Crown	186-0.125 ESS	0.125 gpf – 0.5 Lpf
	Sloan, Royal, Ecos or Crown	186-0.25	0.25 gpf – 0.95 Lpf
	Sloan, Royal, or Crown	186-0.25 ESS	0.25 gpf – 0.95 Lpf
	Sloan, Regal, Royal, Ecos, Gem, or Crown	186-0.5	0.5 gpf – 1.9 Lpf
	Sloan or Royal	186-0.5 ESS	0.5 gpf – 1.9 Lpf
	Gem 2	186-0.125 XL	0.125 gpf – 0.5 Lpf
	Gem 2	186-0.25 XL	0.25 gpf – 0.95 Lpf
	Royal	188-0.5	0.5 gpf – 1.9 Lpf
	Sloan, Regal, or Royal	194-0.5	0.5 gpf – 1.9 Lpf
	Royal	195-0.125 ESS	0.125 gpf – 0.5 Lpf
	Royal	195-0.25 ESS	0.25 gpf – 0.95 Lpf
	Royal	195-0.5 ESS	0.5 gpf – 1.9 Lpf
	Crown	195-0.125	0.125 gpf – 0.5 Lpf
	Crown	195-0.25	0.25 gpf – 0.95 Lpf
	Sloan, Regal, Royal, or Crown	195-0.5	0.5 gpf – 1.9 Lpf
	Sloan, Regal, or Royal	197-0.5	0.5 gpf – 1.9 Lpf
	Royal	613-0.5	0.5 gpf – 1.9 Lpf
	Ecos. Solis, or Optima Plus	8186-0.125	0.125 gpf – 0.5 Lpf
	Ecos, Solis, or Optima Plus	8186-0.25	0.25 gpf – 0.95 Lpf
	Ecos, Solis, Optima Plus, or G2 Optima Plus	8186-0.5	0.5 gpf – 1.9 Lpf
	Solis	8195-0.5	0.5 gpf – 1.9 Lpf
	Royal Prison	9613-0.5	0.5 gpf – 1.9 Lpf
	Optima Plus	RESS-U-0.5	0.5 gpf – 1.9 Lpf
	Optima Plus	RESS-U-0.25	0.25 gpf – 0.95 Lpf
	Optima Plus	RESS-U-0.125	0.125 gpf – 0.5 Lpf
https://www.sloan.com/commercial-bathroom-products/flushometers			
Toto	EcoPower	TEU1UN	0.125 gpf – 0.5 Lpf
	EcoPower	TEU2UN	0.125 gpf – 0.5 Lpf
	EcoPower	TEU3UN	0.125 gpf – 0.5 Lpf
	EcoPower	TEU1LN	0.5 gpf – 1.9 Lpf
	Manual	TMU1LN	0.5 gpf – 1.9 Lpf
	EcoPower	TEU1LA	0.5 gpf – 1.9 Lpf
	EcoPower	TEU2LA	0.5 gpf – 1.9 Lpf
	EcoPower	TEU3LA	0.5 gpf – 1.9 Lpf
	EcoPower	TEU1UA	0.125 gpf – 0.5 Lpf
	EcoPower	TEU2UA	0.125 gpf – 0.5 Lpf
	EcoPower	TEU3UA	0.125 gpf – 0.5 Lpf
	EcoPower	TEU1UAX	0.125 gpf – 0.5 Lpf
	EcoPower	TEU2UAX	0.125 gpf – 0.5 Lpf
	EcoPower	TEU3UAX	0.125 gpf – 0.5 Lpf
	EcoPower	TEU1LAX	0.5 gpf – 1.9 Lpf
	EcoPower	TEU2LAX	0.5 gpf – 1.9 Lpf
	EcoPower	TEU3LAX	0.5 gpf – 1.9 Lpf
	None	TEU1LAR	0.5 gpf – 1.9 Lpf
	None	TEU2LAR	0.5 gpf – 1.9 Lpf
	None	TEU3LAR	0.5 gpf – 1.9 Lpf
	None	TEU1UAR	0.125 gpf – 0.5 Lpf
	None	TEU2UAR	0.125 gpf – 0.5 Lpf
	None	TEU3UAR	0.125 gpf – 0.5 Lpf
https://www.totousa.com/products/commercial#subcategories=10172282318988567253			
Viega	EcoPlus	8164.5US	0.5 gpf – 1.9 Lpf
https://www.viega.us/en/homepage.html			
Zurn	AquaVantage	Z6003AV-ULF	0.125 gpf – 0.5 Lpf
	AquaVantage	ZER6003AV-ULF	0.125 gpf – 0.5 Lpf
	AquaSense	ZEMS6003AV-ULF	0.125 gpf – 0.5 Lpf
	AquaSense	ZEMS6003AV-ULF-IS	0.125 gpf – 0.5 Lpf
	AquaVantage	ZEG6003AV	0.125 gpf – 0.5 Lpf
	EcoVantage	ZEG6003EV	0.125 gpf – 0.5 Lpf
	AquaSense	ZTR6203-ULF	0.125 gpf – 0.5 Lpf
	AquaSense	ZTR6201-ULF	0.125 gpf – 0.5 Lpf
	AquaSense	ZTR6203-EWS	0.5 gpf – 1.9 Lpf
	AquaSense	Z6003AV-EWS	0.5 gpf – 1.9 Lpf
	AquaSense	ZTR6203-QRT	0.5 gpf – 1.9 Lpf
	AquaSense	ZTR6201-QRT	0.5 gpf – 1.9 Lpf
	AquaVantage	Z6001AV-EWS	0.5 gpf – 1.9 Lpf
	AquaVantage	ZEMS6003AV-EWS	0.5 gpf – 1.9 Lpf
	AquaVantage	ZEMS6001AV-EWS	0.5 gpf – 1.9 Lpf
	AquaVantage	ZERS6003AV-EWS	0.5 gpf – 1.9 Lpf
	AquaVantage	ZER6001AV-EWS	0.5 gpf – 1.9 Lpf
	Metroflush	Z6203-EWS	0.5 gpf – 1.9 Lpf
	Metroflush	Z6201-EWS	0.5 gpf – 1.9 Lpf
	Metroflush	ZEMS6203-EWS	0.5 gpf – 1.9 Lpf
	Metroflush	ZERS6203-EWS	0.5 gpf – 1.9 Lpf
	Metroflush	ZER6201-EWS	0.5 gpf – 1.9 Lpf
https://www.zurn.com/products/finish-plumbing/flush-valves			

August 24, 2018

Table 6. Non-Water (Waterless) High-Efficiency Urinal Fixtures[1]

IMPORTANT NOTE: Urinals listed in this Table 6 are NOT included in the WaterSense Program due to their non-water use, but are designed to perform the same waste removal function as flushing urinals and are deemed by the U.S. EPA to be equivalent.

Manufacturer/ Brand	Model Name	Model Number	Trap Design[2]	Material
Acorn	Dura-Ware	2159	Self sealing waste valve (duckbill)[2]	SS
http://acorneng.com/product.aspx?ProductId=1314&title=ADA+Stainless+Steel+Waterless+Urinal				
American Standard	FloWise Flush Free	6150.100	Liquid seal	VC
	FloWise Flush Free	6154.100	Liquid seal	VC
	FloWise Flush Free	6155.100	Liquid seal	VC
	FloWise Flush Free	6156.100	Liquid seal	VC
http://www.americanstandard-us.com/bathroom-products/urinals/				
Caroma	H2 Zero	678500	Self sealing waste valve supplemented with liquid seal	VC
http://www.caromausa.com/products/index/cu_product_category4/cu_products.php?product_range=18&keywords=				
Duravit	Dry Urinal	084436	Liquid seal	VC
	Architec Dry	081835	Liquid seal	VC
http://www.duravit.us/website/homepage/products/product_overview/series/architec.us-en.html#filter-urinals				
Falcon	WaterFree	F-1000	Liquid seal	VC
	WaterFree	F-2000	Liquid seal	VC
	Clematis WaterFree	F-4000	Liquid seal	VC
	Freesia WaterFree	F-5000	Liquid seal	VC
	Lava WaterFree	F-7000	Liquid seal	VC
	Flax	None	Liquid seal	VC
	WaterFree	F-9000SS	Liquid seal	SS
http://falconwaterfree.com/supporting-docs/				
hybridH2O	Marmara	HL-28	Liquid seal (urine)	VC
	Coral	HM-25 (available with optional AMTC programmable flush valve)	Liquid seal (urine)	VC
	Baffin	HS-20	Liquid seal (urine)	VC
http://www.hybridH2O.com				
Rubbermaid Commercial	ecoUrinal	751220	Liquid seal	VC
	http://www.rubbermaidcommercial.com/rcp/products/detail.jsp?rcpNum=751220			
Kohler	Steward	K-4917	Liquid seal	VC
	Steward	K-4918	Liquid seal	VC
	Steward	K-4919	Liquid seal	VC
search.us.kohler.com/?q=steward				
Sloan	WaterFree	WES-1000	Liquid seal	VC
	WaterFree	WES-2000	Liquid seal	VC
	WaterFree	WES-4000	Liquid seal	VC
	WaterFree	WES-5000	Liquid seal	VC
	WaterFree	WES-7000	Liquid seal	VC
http://www.sloanvalve.com/Specifications/Waterfree_WES-1000_Urinal.pdf				
Urimat	Eco	14.001	Self sealing waste valve (duckbill)[2]	Composite
	Eco	15.001	Self sealing waste valve (duckbill)[2]	Composite
	Ecoplus	16.001	Self sealing waste valve (duckbill)[2]	Composite
	Ecovideo	16.971	Self sealing waste valve (duckbill)[2]	Composite
	Ceramic	12.201	Self sealing waste valve (duckbill)[2]	VC
	Ceramic	12.301	Self sealing waste valve (duckbill)[2]	VC
http://www.urimat.com/				
Verteco	None	1000-WS	Self sealing waste valve supplemented with liquid seal	VC
http://verteco.com/us/				
Waterless®	Anza	2005	Liquid seal	Composite
	Kalahari	2003	Liquid seal	Composite
	Kalahari	2003B (bottom drain)	Liquid seal	Composite
	Sonora	2004	Liquid seal	Composite
	Sonora	2004B (bottom drain)	Liquid seal	Composite
	Yukon	2101	Liquid seal	VC
	Borrego	2103	Liquid seal	VC
	Baja	2104	Liquid seal	VC
	Del Mar	2901 (shipboard)	Liquid seal	Composite
	Del Casa	2902 (home or space saving)	Liquid seal	Composite
	Santa Fe	2903	Liquid seal	Composite
www.waterless.com/				
Xela	None	ZF-101	Liquid seal	
	None	ZF-201	Liquid seal	
	None	ZF-401	Liquid seal	
	None	ZF-501	Liquid seal	
Zero Flush	None	ZF-101	Liquid seal	VC
	None	ZF-201	Liquid seal	VC
	None	ZF-301	Liquid seal	SS
	None	ZF-401	Liquid seal	VC
	None	ZF-501	Liquid seal	VC
	None	ZFT-0405 (trough urinal)	Liquid seal	SS
www.zeroflush.com/				
Zurn	Ecovantage	Z5795	Liquid seal	VC
https://www.zurn.com/search?searchtext=Z5795				

Material Key:

VC – Vitreous China
SS – Stainless Steel

Notes on WaterSense Certification:

1 - The flushing urinal fixtures noted as WaterSense® compliant In Tables 1, 2, and 3 have been fully tested and certified by an independent, accredited laboratory as meeting the specification's requirements, after which they are listed by an approved Certifying Body. However, in some cases, the necessary certification paperwork has not yet been submitted to the WaterSense® program and, as a result, these fixtures may not yet appear on the official WaterSense® website.

2 – IMPORTANT: The urinal listings shown as WaterSense®-compliant in Tables 1, 2, and 3 are for the certified urinal fixtures. In some cases, this certification also includes the flush valve, which is also required to be WaterSense® compliant. Check with the manufacturer to determine what components are associated with the certified products in these lists.

3 - Flush valves are <u>separately tested and certified</u> to the requirements of the WaterSense® specification. These certified valves are listed in Table 5.

General Notes on Non-Water Urinals:

1 – Some North American jurisdictions and some plumbing code provisions do not permit the installation of non-water urinals, even though those non-water urinals with a liquid seal are covered within two ANSI standards: ASME A112.19.19 for vitreous china non-water urinal fixtures and IAPMO Z124.9 for plastic urinal fixtures.

2 – Some jurisdictions do not allow the installation of urinals with self-sealing waterless waste valves (non-liquid or mechanical seals, sometimes termed "duckbills"). These urinals are listed by IAPMO as qualifying to "IAPMO Guide Criteria for Waterless Urinals, IGC 161-2006a" but <u>may</u> not be permitted by some local codes and/or national standards.

It is very important that the specifier, designer, and/or purchaser first check with the local authority having jurisdiction to determine if and where such fixtures are permitted.

General Note for High-Efficiency Flushing Urinals:
All flushing HEUs must meet the very same waste removal performance requirements as all other flushing urinals sold in North America. All urinals, regardless of flush volume, may experience problems when installed in commercial building locations with degraded, aging, or poorly installed drainline systems, e.g., insufficient drainline slope, dips and sags, pre-existing buildup of solids, etc. In most cases, additional sources of wastewater upstream of the urinal fixture may help to reduce, defer, or prevent solids build-up in the drainline.

DISCLAIMER:
The information contained herein was gathered from sources deemed reliable and is believed to be correct at the time of posting or publication. However, the authors cannot guarantee that all of the information is either correct or current. The authors take no responsibility for the subsequent communication or use of the information presented herein. Therefore, readers are strongly encouraged to <u>perform their own research</u> into HEUs before making specifying or purchasing decisions.

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