



# Ultra Low Water and Zero Water Urinal Rebate Program for Commercial Properties

*Rebate Incentives for Improving Water Efficiency*

## What are Water Efficient Urinals?

Water Efficient Urinals have been a part of the North American plumbing fixture marketplace for close to 20 years. This long history includes both flushing and non-water urinals. It is only within the past 10 years, however, that the water utility and plumbing industries determined that it was necessary to adopt a definitions for Water Efficient Urinals in order to avoid confusion with specifiers, water utilities, and the green building industry.

## What is a Ultra Low Water Urinal?

Ultra Low Water Urinals utilize only 1 pint (0.125 gallons) of water to flush. These systems combine the vitreous china fixture with either a manual or sensor-operated flush valve. Ultra Low Water Urinals provide effective, low-maintenance flushing in public restrooms while reducing water consumption by as much as 88 percent.

## What is a Zero Water Urinal?

Zero-water consumption urinal fixtures do not require a water supply or flushing device to flush the contents of the fixture, cleanse the fixture, or refill the fixture trap. These fixtures are designed to receive and convey only liquid waste (urine) through a trap seal and into the gravity drainage system without the use of water for such function. These fixtures have an integral or removable trap with a liquid seal device and a standard 1½ inch or 2 inch outlet assembly for connection to the sanitary drainage system. Periodic maintenance is required to clean the fixture and maintain the liquid seal device.

Fixtures currently considered as qualifying as water efficient fall into several different design and flush volume categories. The tables below are organized by those categories and reflect the latest information obtained from the manufacturers and other sources. The flush volumes shown in the tables are as certified and/or as reported by the manufacturer. It is the responsibility of the reader to verify this information.

## Flushing Urinal Fixtures (0.25 gallons per flush - 0.9 litres per flush)

Manufacturer	Model Name	Model Number	Material	Integral Flush Valve Sensor ?
Sloan Valve	Efficiency Series	WEUS 1002.1001-0.25 (top spud)	VC	No (manual)
	Efficiency Series	WEUS 1002.1201-0.25 SOLIS (top spud)	VC	Yes
	Efficiency Series	WEUS 1002.1301-0.25 ESS (top spud)	VC	Yes
	Efficiency Series	WEUS 1002.1302-0.25 HWS (top spud)	VC	Yes
	Efficiency Series	WEUS 1002.1401-0.25 ECOS (top spud)	VC	Yes
	Efficiency Series	WEUS 1002.1402-0.25 SMO (top spud)	VC	Yes
	Efficiency Series	WEUS 1002.1403-0.25-SMOOTH (top spud)	VC	Yes
	Efficiency Series	SU-1002A (top spud)	VC	No
	Efficiency Series	SU-1012A (rear spud)	VC	No
Vitra	EverGreen	5321-XXX-0198 (top spud)	VC	No (manual available)
	EverGreen	5321-XXX-0199 (rear spud)	VC	No (manual available)

**Key: VC – Vitreous China SS – Stainless Steel**



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Look for these approved models from your plumbing supply merchants.

### Flushing Urinal Fixtures (1 pint per flush - 0.5 litres per flush)

Manufacturer	Model Name	Model Number	Material	Integral Flush Valve Sensor ?
American Standard	Washbrook Flowise 0.125	6515.125 (back spud)	VC	No
	Washbrook Flowise 0.125 (with valve)	6590.525 (back spud)	VC	Yes (battery)
	Washbrook Flowise 0.125	6590.125 (top spud)	VC	No
Caroma	Cube 3 Ultra	678650 (rear spud)	VC	Yes (in trapway)
Kohler	Bardon	K-4904-ER (rear spud)	VC	No
	Bardon	K-4904-ET (top spud)	VC	No
Sloan Valve	Efficiency Series	WEUS 1010.1011-0.13 (rear spud)*	VC	No (manual)
	Efficiency Series	WEUS 1000.1001-0.13 (top spud)*	VC	No (manual)
	Efficiency Series	WEUS 1010.1311-0.13 ESS (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1201-0.13 SOLIS (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1301-0.13 ESS (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1302-0.13 HWS (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1303-0.13 ESS OR (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1401-0.13 ECOS (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1411-0.13 HW ECOS C (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1402-0.13 SMO (top spud)*	VC	Yes
	Efficiency Series	WEUS 1000.1403-0.13 SMOOTH (top spud)*	VC	Yes
	Efficiency Series	SU-1000A (top spud)	VC	No
	Efficiency Series	SU-1010A (rear spud)	VC	No

\*-urinal fixture coupled with flush valve

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### Flushing Urinal Fixtures (1 pint per flush - 0.5 litres per flush) *continued*

Manufacturer	Model Name	Model Number	Material	Integral Flush Valve Sensor ?
Zurn	The Pint	Z5798.205 (top spud)	VC	Yes
	The Pint	Z5798.206 (top spud)	VC	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	Yes
	Small Pint	Z5738.205 (top spud)	VC	Yes
	Small Pint	Z5738.206 (top spud)	VC	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
	Retrofit Pint	Z5758.205 (top spud)	VC	Yes
	Retrofit Pint	Z5758.206 (top spud)	VC	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	Yes
	Full Stall Pint	Z5792.205 (top spud)	VC	Yes
	Full Stall Pint	Z5792.206 (top spud)	VC	Yes
	Full Stall Pint	Z5792.207 (top spud)	VC	No (manual)
	Full Stall Pint	Z5792.235 (top spud)	VC	Yes
	Full Stall Pint	Z5792.234 (top spud)	VC	Yes
	Nano Pint	Z5708.205 (top spud)	VC	Yes
	Nano Pint	Z5708.206 (top spud)	VC	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	

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### Non-Water Urinal Fixtures <sup>1</sup>

Manufacturer	Model Name	Model Number	Trap Design <sup>2</sup>	Material
Acorn	None	None	Self sealing waste valve (duckbill) <sup>2</sup>	SS
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
Caroma	H2 Zero	678500	Self sealing waste valve <sup>2</sup> supplemented with liquid seal	VC
Duravit	Dry Urinal	084436	Liquid seal	VC
Ecotech Water	Eco Urinal	ETEUE100	Self sealing waste valve <sup>2</sup>	VC
	Eco Urinal	751220	Liquid seal	VC
Falcon	WaterFree	F-1000	Liquid seal	VC
	WaterFree	F-2000	Liquid seal	VC
	WaterFree	F-4000	Liquid seal	VC
	WaterFree	F-5000	Liquid seal	VC
	WaterFree	F-7000	Liquid seal	VC
	WaterFree	F-9000SS	Liquid seal	SS
Kohler	Steward	K-4917	Liquid seal	VC
	Steward	K-4918	Liquid seal	VC
	Steward	K-4919	Liquid seal	VC
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
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
	Sierra	2102	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

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### Non-Water Urinal Fixtures <sup>1</sup> *continued*

Manufacturer	Model Name	Model Number	Trap Design <sup>2</sup>	Material
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
Zurn	Ecovantage	Z5795	Liquid seal	VC
	Ecovantage	Z5796	Liquid seal	VC

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### 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 nonwater urinals with a liquid seal are covered within two ANSI standards: ASME A112.19.19-2006 for vitreous china non-water urinal fixtures and IAPMO Z124.9-2004 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 may not be permitted by local codes and/or national standards.

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

### General Notes for Water Efficient Urinals:

(a) All flushing water efficient urinals 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, pre-existing buildup of solids, etc. In most cases, additional sources of wastewater upstream of the urinal fixture may help to reduce or prevent solids build-up in the drainline.

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