

Waterless No-Flush™ Urinals

PROFESSIONAL CONSERVATION™, SINCE 1991



Why Waterless No-Flush™ Urinals?

The world is becoming increasingly aware of the need to conserve water and to diminish waste water. Dwindling natural resources, climate changes, the need to reduce and/or conserve budget money plus behavioral changes have led to an increased awareness and desire to install water conserving fixtures.

Founded in 1991, WATERLESS Co. LLC has led the way for sustainability in water conservation and restroom hygiene with its Vitreous China and High Performance Composite urinals. Our name says what we do best. No-Flush™ urinals work completely without water or flush valves. As the industry innovator and leader, our product line offers the most simple and most cost effective non-water using urinal system on the world market.

To date, No-Flush™ urinals have saved billions of gallons of water, and the corresponding waste water, while improving restroom hygiene.

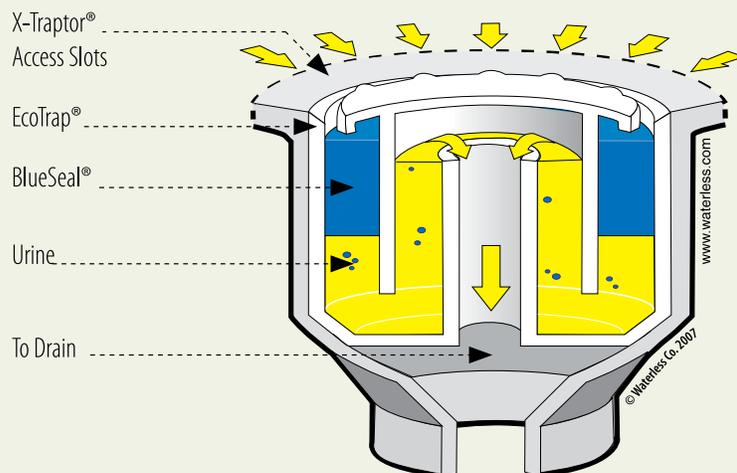
Whether specifying for commercial, institutional or residential installations, No-Flush™ fixtures fit the job. Outstanding performance, long term installation history, stylish design and low operational cost have established our product as the go to fixture.

A urinal in a men's restroom is used about three times more often than a toilet. Flushing urinals consume between 1 and 3 gallons per flush. This amounts to 15,000 to 45,000 gallons per urinal per year of fresh water use. That vast amount of potable water can easily be saved without sacrificing performance by installing No-Flush™ urinals.

Simplicity Works

1. Urine flows down into the patented **EcoTrap®** drain insert.
2. In the **EcoTrap®**, the urine passes through a floating layer of **BlueSeal®** liquid, which forms a barrier that prevents sewer vapors from escaping to the rest room atmosphere.
3. Urine under the barrier layer overflows into the vertical central tube and runs down to the conventional drain line.

Cross-Section of the Patented Vertical EcoTrap®



The Best Solution in the Industry!

While seemingly an unusual product, it has tremendous benefits:

Total Water Conservation

No-Flush™ urinals resemble conventional wall-hung urinal fixtures, but do not require a water supply or flush valve for their proper functioning. Gravity helps the flow into the urinal trap and into the drain line. There is absolutely no water use.

Odorless

Flushed urinals have smelled due to a naturally occurring chemical reaction between water and urine. Without the water, the chemical reaction no longer occurs. This and the simple EcoTrap® workings result in the elimination of odors. The BlueSeal® sealing liquid inside the EcoTrap® forms a lasting barrier against sewer vapor escape into the restroom.

Better Hygiene

Flushing fixtures are known to spread bacteria laden aerosols, which then seed nearby wet and damp spots in the restroom to form new groups. Waterless urinals are both dry and flushless. As bacteria require water to live, dry surfaces in a No-Flush™ urinal are hostile to bacteria. Hygiene is thereby greatly improved by installing No-Flush™ fixtures.

Reduced Maintenance

Without mechanical parts such as flush valves, urinal maintenance is greatly reduced. The EcoTrap® functions as a strainer, meaning vandals can no longer clog up urinals and overflow them! The known hard encrustations in waste lines on flushed urinals are a thing of the past. Without water, these hard encrustations can no longer occur. And best of all, should there ever be a plugged up drain (as things happen in plumbing!), one only needs to remove the EcoTrap® with the X-Traptor® tool and insert the drain snake simply through the urinal drain opening. The full 2" interior drain line in our urinal allows for this simple action and is unique to Waterless Co.'s product line. Plumbing professionals appreciate the simplicity. No more removing urinals from the wall to snake drain lines!

Custodial maintenance is similar to, or less than, conventionally flushed fixtures. No-Flush™ urinals are engineered to accept all commercially available cleaners without harming or dissolving the BlueSeal® in the EcoTrap®.

Paybacks for No-Flush™ urinals are usually one to three years

Cost Savings

Save drastically by eliminating water and sewer charges. Installation costs are generally less than conventional fixtures, as only a standard 2" drain line connection is needed.

Best of all, with increasing water and sewer rates, Waterless No-Flush™ urinals are becoming more cost efficient with each rate increase.

Each Waterless No-Flush™ urinal saves up to 45,000 gallons per urinal each year...

BlueSeal® Liquid

A layer of BlueSeal® suffices to isolate urine and sewer odors from the atmosphere. A unique liquid, it does not mix, dissolve, or react chemically with urine. It is over 95% biodegradable. It does not evaporate at 100°F and pours at -60°F, which may eliminate fixture winterization costs. One quart of BlueSeal® lasts up to 15,000 to 20,000 uses, replacing the 15,000 to 45,000 gallons of potable water flushed away by conventional urinals. BlueSeal® can be used efficiently on all Waterless and non-water using urinals. Its pleasant fragrance eliminates the need for deodorizers.



No-Flush™ Urinal Maintenance

As with any urinal fixture or plumbing product, custodial maintenance is necessary for a proper and clean appearance, and optimal performance. However, No-Flush™ urinals require less upkeep than other non-water using fixtures or flushed urinals: Less work, no mess and environmentally appropriate.

Advantage Waterless:

- No weekly or monthly flush outs
- No disassembly of trap inserts
- Trap insert can be refilled with BlueSeal®
- BlueSeal® can be used in any non-water using urinal
- Large X-Traptor® tool removes EcoTrap® easily
- Standard 2" flanged drain line connection

Waterless No-Flush™ Urinals minimize vandalism.



Features

- Waterless
- Odorless
- Sanitary
- Touch-Free
- No Flushometer
- No Valve Repairs
- Reduces Vandalism
- No Pressure Requirements
- Reduced Risk Exposure
- No Flange Exchanges
- No Overflows
- No Deodorizers
- Upgrades Facility
- Minimizes Sewer Line Encrustations
- Minimizes Waste Volume
- LEED® Applicable
- Improves IAQ
- Reduces Peak Loads

Applications

- Institutional
- Commercial
- Industrial
- Military
- Airports
- Hospitals
- Offices
- Schools, Colleges
- Parks, Rest Stops, Playgrounds
- Sport & Recreational Facilities, Camps
- Portable Applications
- Maritime Applications
- Trains / Buses

Specification Data:

High Performance Composites (HPC)

Wall Hung, One Piece Shell

Weight: ~22 lbs. (~10Kg) #2003, 2003B, #2004, #2004B

Weight: ~14 lbs. (~7Kg) #2901, #2902

Connects to:

Standard 2" (50mm) Drain Line.

Color: Sanitary White or Custom Standards and Listings:

ANSI Z124.9, A117, CSA®, others

Warranty: 3 Year Limited

Our Fixtures

Waterless Co. offers a wide range of No-Flush™ urinals for retrofit or new construction, high traffic commercial facilities, home use and specialty applications, such as high security facilities, where water conservation and reduced maintenance are a problem or consideration:

High Performance Composite (HPC) Fixtures

High Performance Composite (HPC) urinals have been our mainstay product since 1991. Today's HPC materials make these fixtures more break and damage resistant than traditional vitreous china urinals and are preferred in vandalism prone areas. High gloss surfaces are practically indistinguishable from ceramic fixtures, yet offer the advantage that if vandalized, can simply be brought back to their initial appearance. HPC fixtures are light weight, which contractors and plumbing professionals prefer. HPC urinals come in a great variety of color selections, from solid colors to granite like looks or custom colors. Standard color is Sanitary White.



Sonora™
Model #2004 SF138



Kalahari™
Model #2003

Minimal Space

Our Del Mar™ and Del Casa™ units are perfect for applications where weight and space considerations are important, such as ship building, mobile applications or home use.



Del Mar™
Model #2901
Bottom Drain



Del Casa™
Model #2902
Bottom Drain

Unique

For trough urinal retrofits or specialty installations, we offer bottom drain urinals in HPC materials. Unique to Waterless Co., these bottom drain outlet fixtures offer versatility for your restroom requirements.



Kalahari™
Model #2003B
Bottom Drain



Sonora™
Model #2004B
Bottom Drain

Vitreous China (VC) Fixtures

Our Vitreous China product line comes with a fully glazed 2" interior drain line and standard 2" waste connection, just like regular urinals. Compared with other manufacturer's urinals, the ceramic interior drain line eliminates plastic insert housings, possible leakage of urine into the restroom and allows for a more simple installation. In addition, there are no O-rings to contend with and each urinal is fully enclosed on the bottom.



Sierra™
Model #2102

Color selection: Sanitary White, solid colors or custom color.

Specification Data:
Vitreous China (VC)
Wall Hung, One Piece Shell
Weight: ~54 lbs. (~24.5Kg)
#2101, #2102

Connects to: Standard 2" (50mm) Drain Line
Color: Sanitary White or Custom
Standards and Listings:
ANSI Z124.9, A112.19.19, A117, CSA®, others
Warranty: 3 Year Limited



Yukon™
Model #2101

Colors, Colors, Colors

SOLID, HPC and VC Urinals



GRANITE, HPC Urinals Only



Additional solid and granite colors available.

LEED® Credit Opportunity

Leadership in Energy & Environmental Design

More than 30 government agencies now require LEED Certification for new building projects.

Whether your goal is water conservation, maintenance reduction, or to achieve LEED® credits, Waterless Co. LLC offers the right products and expertise.



www.usgbc.org

Achievable LEED® credits:

- WE Credit 2.0: Innovative Waste Water Technologies
- WE Credit 3.1: Water Use Reduction: 20% Reduction
- WE Credit 3.2: Water Use Reduction: 30% Reduction
- Regionally manufactured products, within 500 mile radius of the project site

Taking the lead in reliability and unequaled performance for Waterless urinals since 1991, future generations will appreciate your water conservation efforts!

Details:

- The dry urinal surface is liquid repellent and hostile to bacteria.
- The BlueSeal® layer is replenished with 3-oz. portions at about 1500 use intervals.

TASK TIME: 20 Seconds

- The EcoTrap® retains sediments and acts like a filter. It is easily replaced one to six times a year according to traffic.

TASK TIME: 3-4 Minutes

- Drain lines are free of encrustations. They are easily accessed by removing the EcoTrap® with the special X-Traptor® tool.

- EcoTrap® inserts are the most economical on the market today.

- Using BlueSeal® guarantees proper functioning of the system and adds a pleasant restroom fragrance.



The Essentials!

EcoTrap®, X-Traptor® Tool and BlueSeal® with Portion Aid

Maintenance Made Simple

BlueSeal® Refill

Do not remove EcoTrap® for refill

One 3 oz. refill will last for approx. 1500 uses. **No need to refill daily!!**

1. Screw the PortionAid onto a BlueSeal® quart bottle.
2. Squeeze bottle to measure out 3 oz. of BlueSeal® into PortionAid.
3. Pour BlueSeal® directly into EcoTrap® towards back of urinal.

Task Time: 20 Seconds

Note: Applicable to all non-water using urinals.

EcoTrap® Exchange

Remove or exchange EcoTrap® only when needed, i.e. slow urine flow or pooling.

1. Have the X-Traptor® tool, new EcoTrap® and a plastic bag ready and on hand.
2. Insert X-Traptor® into trap slots and engage on knobs.
3. While slowly pulling up, wiggle tool side to side to loosen EcoTrap®.
Do not pull straight up! Once the EcoTrap® is removed, spray some deodorizer into the drain.
4. With EcoTrap® still on X-Traptor®, pour liquid contents of EcoTrap® into the open drain hole of urinal.
5. Deposit used EcoTrap® in plastic bag. Disengage and remove X-Traptor®.
6. Seal the plastic bag and discard in locally appropriate manner.
7. Loosen any sediment accumulation in drain hole with any long object or brush.
8. Pour a full bucket, approx. 5 gallons, of preferably hot water into drain hole of urinal to flush sediments from waste line before inserting new EcoTrap®.
9. Insert new EcoTrap® into drain hole of urinal. Press EcoTrap® down, below drain hole rim.
10. Fill new EcoTrap® with about 12 oz. of water. Add 3 oz. of BlueSeal®. See BlueSeal® refill instructions above. **Done!**

TASK TIME: 3-4 Minutes



Beyond Urinals

Making your operations/maintenance life easier...

Enviro-Clean™

Urinal Cleaning Made Simple!

Specifically designed for use with Waterless urinals, Enviro-Clean™ is intended to be sprayed onto the inside surface of the urinal and left alone. NO WIPING or SCRUBBING needed! Prolonged use will also assist in the reduction of build-up in the trap insert, effectively extending the trap life.

Available in Quarts, Stock #1614, 12 per case or Gallons, Stock #1601, 4 per case



EverPrime®

For All Your Floor Drain Needs.

Finally, a liquid specifically made for preventing drain traps from drying out. Can be used in traps which require only temporary protection (condensate etc.) or use as permanent protection of trap seal for abandoned drains. Works in up to -20°F. *Available in Quarts, Stock #1514, 12 per case or Gallons, Stock #1501, 4 per case.*



GreenClean™

Great Fixture Cleaner.

General purpose cleaner with high performance technologically advanced cleaning formula. For use on all restroom surfaces. Non-abrasive. Helps prevent water surface encrustations. Removes hard scale. Pleasant fragrance. Not needed for Waterless urinals, but a great cleaner. *Available in Quarts, Stock #1214, 12 per case.*



Signature™

Let Them Know You Were There!

Leave your Signature™. Specially designed and formulated deodorizer to leave a long lasting and pleasant fragrance in any room where applied! Not needed for Waterless urinals, but a great deodorizer for restrooms, offices and smelly places. Can also be used to mask odors at trap exchanges.

Available in 24 oz. Bottles, Stock #1424, 24 per case.



BlueSeal® Dispenser & Refill Bottle

An Alternative....

Use this Automatic BlueSeal® Dispenser where custodial service is not available or not sufficient for your requirements. Installs above each urinal with BlueSeal® feeder tube, allowing for a continuous refill of the trap. Can be used on any non-water using urinal fixture. Programmable options and visual indicators to meet your needs. *Stock # 6002. Refill Bottle, Stock # 1119*



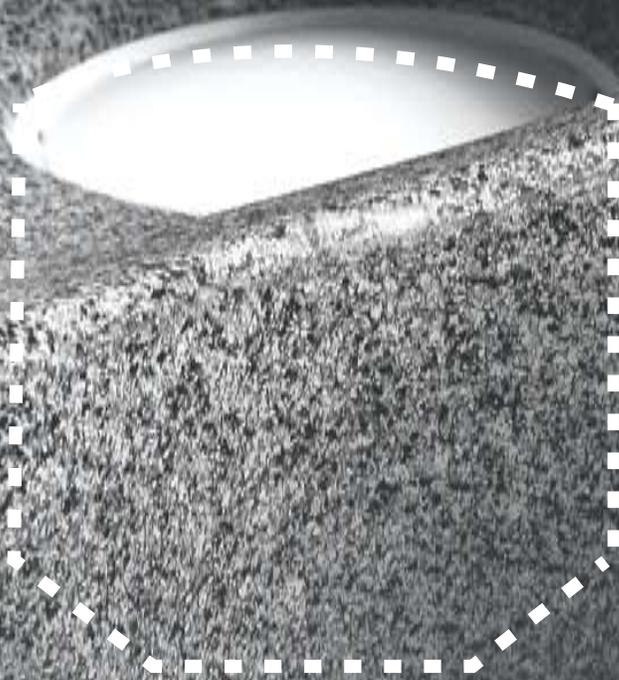
UTC Sentinel®

Effective Urinal Flushing Automation!

For flush valve or urinal tank retrofits. A sophisticated system of sensor, solenoid valve and the UTC programmable controller. Flexible programming options allow for settings to accommodate any wash-room environment. Can be remotely mounted in any convenient location out of the view and reach of restroom patrons. The UTC Sentinel® allows the owner to have total control of flush volumes, while eliminating mechanical requirements. For restrooms/facilities where retrofits with No-Flush™ urinals are not yet a simple solution. *Stock # 6003*



EcoTrap® Inside



WATERLESS™

Unlike Any Other!

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