



# SMART RESTROOM SYSTEM

REDUCE BUILDING OPERATING EXPENSE WHILE  
CONSERVING OUR **NATURAL RESOURCES**



**SAVES  
\$200-\$600  
PER YEAR  
PER URINAL**



**THE BEST WATER FREE  
URINALS ARE THE URINALS  
YOU ALREADY HAVE!**





# SMART RESTROOM SYSTEM

*Betco's Smart Restroom System provides a comprehensive solution to building owners, managers and facility management to reduce operating cost. This system meets the growing trend in environmental responsibility for LEED and BOMA 360 certified properties. Exceed the ever increasing expectations of tenant and building occupants for environmental responsibility, building cleanliness and personal hygiene.*

Betco Smart Restroom System uniquely meets these needs through the provision of program and product systems that:

- **REDUCE OPERATING COST** through reduced water consumption and energy to heat water.
- **ASSISTS IN LEED AND BOMA 360 CERTIFICATION** gain points from reduced water consumption and energy to heat water, plus the use of environmentally responsible cleaning and maintenance products.
- **IMPROVES TENANT/OCCUPANT SATISFACTION** with clean, hygienic and pleasant restrooms, thus avoiding the 50% plus of all tenant/occupant complaints that are related to a building's restrooms.

## PROGRAM ELEMENTS

- **SmartVALVE™** - A lockable urinal flush valve that reduces water consumption by up to 40,000 gallons per urinal per year or \$200 to \$600 in annual savings per urinal. Provides a highly cost effective alternative to tearing out existing urinals and installing water free urinals.
- **SmartSCREEN™** - Highly engineered and formulated urinal screen with integral block that counteracts odors at their source and saves you money when compared to water free urinal maintenance.
- **BARRIER FLUID** - For use with the Betco **Smart Valve**, other water free urinals and floor drains to inhibit and counteract malodors at the source.
- **CLARIO® SKIN CARE** - Provides a cost effective skin care program that is more than paid for through water conservation and reduced sewer costs.
- **CLARIO® AIR CARE** - Counteracts odors introduced into your restrooms.
- **LOW FLOW FAUCET AERATORS** - Saves even more by reducing water consumption and energy costs to heat water.





Low Flow Aerator

## SmartValve™

At the heart of Betco's Smart Restroom System is our latest innovation...the **SmartValve™**. This lockable, patent pending, flush valve turns most any urinal with a standard or automatic flush mechanism into a water free urinal avoiding costly tear-outs of existing urinals and installation of water free urinals. That's why we say:

**“THE BEST WATER FREE URINALS ARE THE URINALS YOU ALREADY HAVE!”**

The **SmartValve** pays for itself in a matter of months and facilitates restroom cleaning when compared to cleaning and maintaining water free urinals. So start saving today on your building's operating expense, and conserve our natural resources with the Betco Smart Restroom System!



### COST SAVINGS

**SmartValve** reduces water and sewer usage which saves \$200-\$600 per urinal per year over traditional flushing urinals

### SUSTAINABLE

- \* Conserves Water
- \* Battery Free
- \* Assists in earning LEED and BOMA 360 credits

### IMPROVES HYGIENE

**SmartValve** is touchless which helps reduce the spread of disease due to cross contamination.

### SIMPLE TO INSTALL

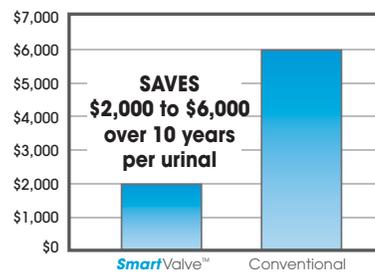
**SmartValve** replaces handle or automated flusher in less than 5 minutes.

- \* No water shut off required
- \* No special tools needed

### EASY TO MAINTAIN

Simply flush the urinal after daily cleaning.

### BETCO SmartValve™ 10 YEAR SAVINGS VS. CONVENTIONAL 1 gpf URINAL



### LOW FLOW FAUCET AERATOR (0.5 gpm)



Typical commercial faucets are supplied with flow rates ranging from 2.2 gallons per minute (gpm) to 1.5 gpm. Smart buildings are installing 0.5 gpm aerators which use significantly less water without compromising hand-washing hygiene. Less water equates to lower water costs and lower energy costs (to heat the water). Let BETCO show you how to start saving money and conserving our natural resources.



# SmartScreen™

To compliment the **SmartValve™**, Betco's technical team developed the **SmartScreen™** to counteract the odor and scale build up from urine and hard water.

**THE PATENT PENDING SMARTSCREEN IS INFUSED WITH NEUTRABOND™ TECHNOLOGY TO ENSURE THE RESTROOM SMELLS CLEAN THROUGHOUT THE DAY.**

Neutrabond Technology is a specially developed combination of malodor counteractants and fragrances that gradually release to chemically bond to microscopic malodor compounds, such as sulfur and ammonia, rendering them odorless and non-toxic. The non-Para block is further enhanced with biodegradable chelating agents and four (4) proprietary non-pathogenic strains of bacteria that quickly break down organic matter and attack odor causing bacteria at the source. This action keeps restrooms smelling clean and prevents the build-up of scale in urinals and pipes. The **SmartScreen** gives you the confidence to convert flushing urinals to water free urinals.

**ONLY THE SMARTSCREEN HAS THE MOST COMPREHENSIVE ODOR FIGHTING COMPONENTS ON THE MARKET TODAY AND SUPPORTS CONVERTING FLUSHING URINALS INTO WATER FREE URINALS WITH THE SMARTVALVE.**

## COST SAVINGS

**SmartScreen** costs less than water free urinal cartridges but with more counteracting power.

## SUSTAINABILITY

- \* Block is made of biodegradable chelating agents and naturally occurring bacteria.

## IMPROVES HYGIENE

**SmartScreen** covers the urinal well which protects user from the splash back effect.

- \* Block consists of 1 Billion CFU's (Colony Forming Units) that counteract odor causing bacteria.

## EASY TO MAINTAIN, EASY TO CLEAN

**SmartScreen** is a fragrance impregnated screen with a bioactive enzymatic block to control odors and maintain drain lines.

- \* Replace every 30 days or when block dissolves, whichever comes first.  
(typically 1 month or 2400 uses)
- \* Easier to maintain than water free urinals because the water source is still available for cleaning and there are no biohazard cartridges to replace.

For easy and effective urinal cleaning and to obtain optimal performance with the **SmartSteps™** Restroom System, Betco recommends:

GREEN EARTH® Peroxide Cleaner or AF79 Acid Free Restroom Cleaner both available as Ready-to-use or economical concentrates for use in Betco FastDraw® chemical management system.





## BARRIER FLUID

The Barrier Fluid is an oil-based compound designed to float on top of liquid in a water free urinal cartridge, a flushing urinal well or in a floor drain. This compound puts a physical barrier between a liquid and the atmosphere immediately sealing in bad odors at the source. It contains a non-staining blue colorant which produces an aesthetic advantage in restrooms and adds an additional level of odor counteractant for high use or large restrooms. Barrier fluid is available in three (3) complimentary fragrances and a neutral non-fragranced version for those applications where additional fragrance is not wanted. Each case of barrier fluid comes with a proportioner with graduations for easy dispensing from quart bottles.



## CLARIO® AIR CARE SYSTEM

The Clario® Air Care System consists of a dispenser and metered aerosols that provide continuous odor control in restrooms. These products contain fragrances that are complimentary to the SmartScreen™ fragrances and are infused with Neutrabond™ Technology. Neutrabond Technology is a specially developed combination of malodor counteractants and fragrances that chemically bond to microscopic malodor particles neutralizing the malodor completely rather than just masking them. These aerosols are formulated to produce little or no fallout ensuring safe surfaces for occupants and not harming flooring material or finishes.



# Clario® TF

## Touch Free Dispensing System



91866-00  
6/case - White Foam Only

## Creating Higher Levels of Personal Hygiene with the Clario® TF Touch Free Skin Care Dispensers

- Clario® TF dispenser saves you up to 60% per hand wash with foam soap as compared to other leading brands.
- 30% more people will wash their hands if Touch Free products are provided.
- Increased hand washing compliance means better hygiene, and reduces the spread of illness causing germs.
- The Clario® TF dispenser uses the same proven 1000 mL bag and products as the Betco® Clario® Manual foam dispenser. – Less items to purchase for facilities that have both TF and Manual dispensers. This provides flexibility and reduced stocking levels for real savings!
- **Realize first year savings of over \$800 per Clario TF dispenser.<sup>1</sup>**

See the Savings!	Per Clario® TF Dispenser			
Clario® bags used per month:	4 Bags	3 Bags	2 Bags	1 Bag
<b>Annual Savings per Clario® TF Dispenser<sup>1</sup>:</b>	<b>\$823</b>	<b>\$617</b>	<b>\$412</b>	<b>\$206</b>

<sup>1</sup>Based upon Betco®'s MSRP as compared to other leading brands



## Sustainable Hand Hygiene

Betco® has been a leader in sustainable and environmentally responsible products since 1990 when we first started on our mission to create a healthier environment with the Betco Green Earth® brand. Clario® Green Earth® Foaming Skin Cleanser and Clario® Clear are both Green Seal™ Certified and are perfect options for use in the Clario® TF dispenser.



**BETCO®**

# SMART RESTROOM LEED WATER CONSERVATION SAVINGS

**Step 1:** Determine the annual days of operation and full time building occupants. Then calculate the Baseline Water to determine the annual use.

**Step 2:** Calculate the Projected Water Use based on the products you will be using and the number of fixtures. Then determine the Annual Water Use.

**Step 3:** Write in your total calculated Baseline and Project Daily and Yearly Water Use from above. Then determine the savings by calculating the difference from the Baseline to the Project totals. Finally, to determine if you reached your percentage reduction goal by dividing the Savings by the Baseline totals.

**Project Name** \_\_\_\_\_ **Annual days of operation** \_\_\_\_\_ **Full time occupants** \_\_\_\_\_ **Visitors per day** \_\_\_\_\_

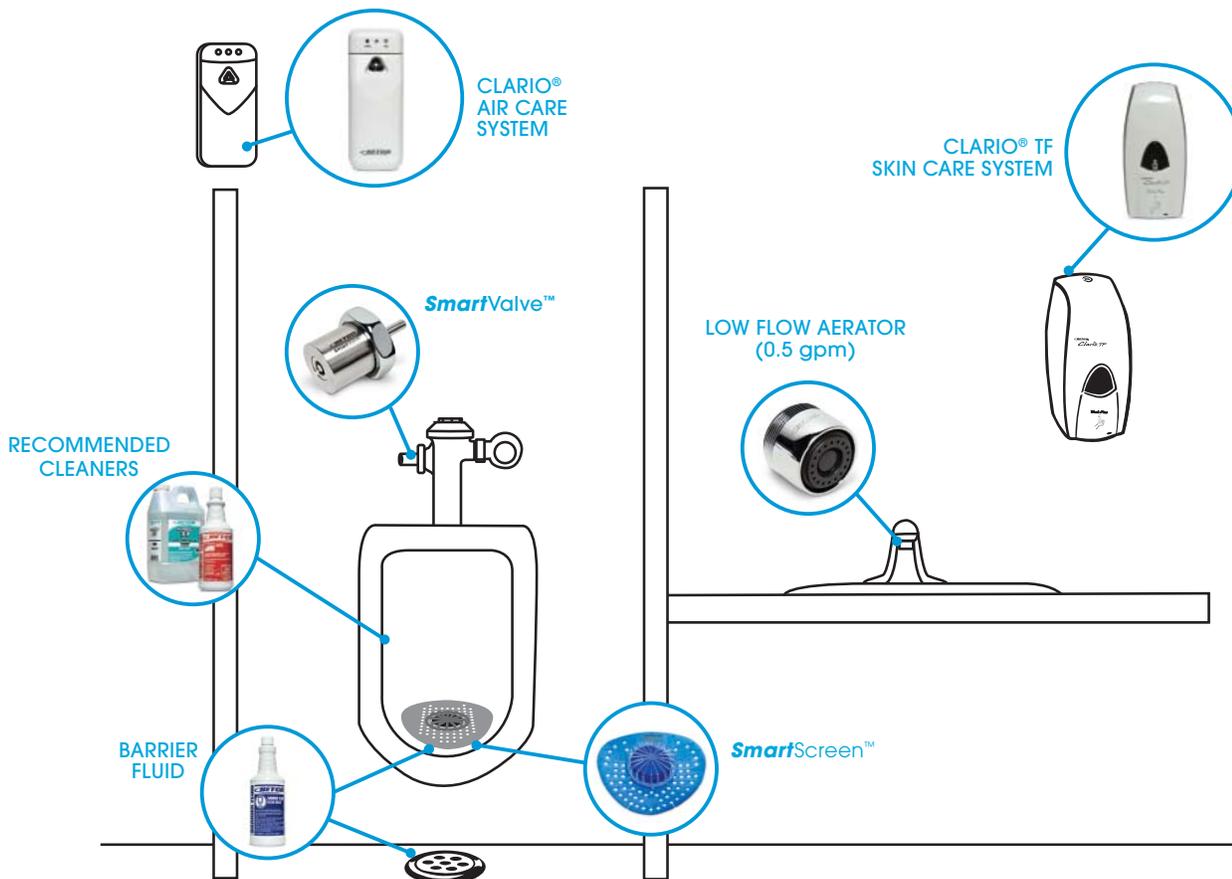
Assumption: Males uses urinals twice per day; closets once per day; females use closets three times per day. Both males and females use faucets three times per day.

STEP 1 Baseline Water Use		Daily Uses	Type	Water Use	Calculate Daily Water Use (gallons) = Daily Uses x Water Use	Calculate Annual Water Use (gallons) = Annual Days of Operation x Daily Water Use
Men's Restroom	Urinals	_____	Std. Urinal	1.0 gpf	_____	_____
	Lavatory Faucets	_____	Std. Faucet	2.2 gpm	_____	_____
Women's Restroom	Lavatory Faucets	_____	Std. Faucet	2.2 gpm	_____	_____
<b>TOTAL</b>					_____	_____

STEP 2 Projected Water Use		Daily Uses	Type	Water Use	Calculate Daily Water Use (gallons) = Daily Uses x Water Use	Calculate Annual Water Use (gallons) = Annual Days of Operation x Daily Water Use
Men's Restroom	Urinals	_____	SmartValve™	0.0 gpf	_____	_____
	Lavatory Faucets	_____	Low Flow	0.5 gpm	_____	_____
Women's Restroom	Lavatory Faucets	_____	Low Flow	0.5 gpm	_____	_____
<b>TOTAL</b>					_____	_____

STEP 3 - Projected Results		Daily	Yearly
Baseline Water Use		_____	_____
Projected Water Use		_____	_____
Water Savings in Gallons		_____	_____
Water Savings in %		_____	_____

LEED-NC Credit v2.2 WE Credits		Points	LEED 2009 WE Credits		Points
20% Water Reduction	LEED WE Credit 3.1	_____	LEED 2009 WE Prerequisite		_____
30% Water Reduction	LEED WE Credit 3.2	_____	LEED WE Credit 3		_____
35% Water Reduction	N/A	_____	LEED WE Credit 3		_____
40% Water Reduction	LEED ID Credit for Water	_____	LEED WE Credit 3		_____
50% Water Reduction	LEED WE Credit 2	_____	LEED WE Credit 2		_____
for Sewage Conveyance	<b>Total Points Possible</b>	_____	<b>Total Points Possible</b>		_____



## SMART RESTROOM SYSTEM

Product / Item #	Benefits	Package
<b>SMART COMBO PACK</b> 91529-00 Citrus Bouquet 91538-00 Ocean Breeze	<ul style="list-style-type: none"> <li>Saves money by conserving water usage</li> <li>Combo pack includes: 1 - <b>SmartValve™</b>, 1 - End User Decal, 3 - <b>SmartScreens™</b></li> <li>Fits SLOAN Regal®, SLOAN Royal®, Zurn AquaFlush® and Zurn AquaVantage™ valves.</li> </ul>	1 - Combo pack/cs.
<b>SmartScreen™ with BIOACTIVE ENZYMES</b> 28672-00 Ocean Breeze 28772-00 Citrus Bouquet	<ul style="list-style-type: none"> <li>Eliminate malodors and reduce drain line build-up</li> <li>Biodegradable chelating agents and 4 non-pathogenic bacteria which produce enzymes specifically designed to quickly breakdown uric scale and water scale</li> <li>Puck components chemically bond to malodors including sulfur and ammonia compounds rendering them odorless and non-toxic</li> </ul>	72 - Screens/cs.
<b>BARRIER FLUID</b> 26270-00 Neutral 29170-00 Ocean Breeze 29270-00 Citrus Bouquet	<ul style="list-style-type: none"> <li>Reduces odor and enhances the restroom experience</li> <li>For use in Water Free Urinals and Floor Drains</li> <li>Neutral barrier fluid for those areas where added fragrance is not needed</li> <li>Fragrances compliment <b>SmartScreens™</b> and air care refills</li> </ul>	6 - Qts. (946 mL)/cs.
<b>LOW FLOW AERATOR</b> 91530-00 0.5 gpm Aerator Kit 91531-00 Chicago Faucet Adapter	<ul style="list-style-type: none"> <li>0.5 gpm aerator reduces water usage</li> <li>Adapter specifically for Chicago Faucets brand</li> </ul>	1 - Aerator/bag
<b>CLARIO® TOUCH FREE SKIN CARE SYSTEM</b> 91866-00 Clario White TF Dispenser 91968-00 Clario Black TF Dispenser 78129-00 Green Earth® Foaming Skin Cleanser 75929-00 Clario® UltraBlue™ Antibacterial Foaming Skin Cleanser 75629-00 Clario® Foaming Skin Cleanser 71529-00 Clario® Clear	<ul style="list-style-type: none"> <li>Reduces cross-contamination</li> <li>Tough, durable ABS construction and easy to clean cover</li> <li>Thick and rich formula</li> <li>Perfect choice for LEED Certified Buildings or any facility looking to go "Green"</li> <li>Green Seal™ GS-41 certified Green Earth® formula</li> <li>Aesthetically pleasing design is ideal for offices, educational and healthcare facilities</li> </ul>	6 - Dispensers/cs. 6 - 1000 mL/cs.
<b>CLARIO® AIR CARE SYSTEM</b> 91753-00 Air Care Dispenser White 02583-00 Ocean Breeze 03183-00 Citrus Bouquet	<ul style="list-style-type: none"> <li>Improves tenant restroom experience by eliminating malodors</li> <li>Low VOC formulations and no ozone depleting substances</li> </ul> <b>Two Phase Odor Control</b> <ol style="list-style-type: none"> <li>Neutrabond™ technology chemically bonds to microscopic malodor particles neutralizing the malodor completely</li> <li>Specially blended fragrances freshen the indoor environment</li> </ol>	6 - Dispensers/cs. 6 - Metered Aerosols/cs.
<b>GREEN EARTH® PEROXIDE CLEANER</b> 32912-00 Ready-to Use 33647-00 Concentrate 33604-00 Concentrate	<ul style="list-style-type: none"> <li>Ideal for urinal, toilets, tubs &amp; chrome</li> <li>Green Seal Certified GS-37</li> </ul>	12 - qts (946mL)/cs. 4 - 2 L/cs (FastDraw®) 4 - 1 gal (3.78L)
<b>AF79 - Acid Free Restroom Cleaner, Disinfectant, Deodorant</b> 07912-00 Ready-to-use 33112-00 Concentrate 33147-00 Concentrate	<ul style="list-style-type: none"> <li>Kills Staph, Salmonella, Pseudomonas; Virucidal against Influenza A, HIV-1 &amp; Herpes Simplex 2</li> <li>No Scratch Cleaning</li> </ul>	12 - qts. (946 mL)/cs. 4 - 2 L/cs (FastDraw®) 4 - 1 gal (3.78L)



**INNOVATIVE  
CLEANING TECHNOLOGIES**

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