

To be specified:

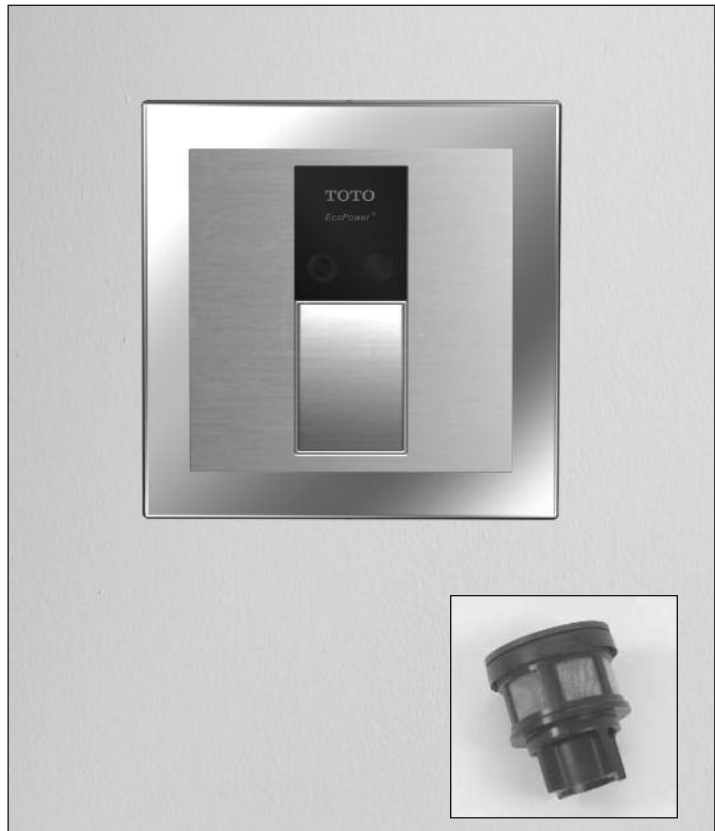
### Sensor Urinal Flush Valve

- Complete Set, Surface Mount, Satin Finish (4" x 4" cover plate)
  - Back Spud - TEU3GN11#SS (3/4" V.B.)
  - Back Spud - TEU3GN21#SS (1-1/4" V.B.)

Supplied with:

- Vacuum Breaker & Angle Stop Set -VB13RB-11
  - 3/4" Angle Stop - 10077t6
  - 3/4" Vacuum Breaker - 10075t6
  - Outlet Tube - TH559EDV171
  - Sweat Solder Kit - SJ1
- Vacuum Breaker & Angle Stop Set -VB13RB-21
  - 3/4" Angle Stop - 10077t6
  - 1-1/4" Vacuum Breaker - 10075t7
  - Outlet Tube - TH559EDV172
  - Sweat Solder Kit - SJ1

*Meets the Americans with Disabilities Act guidelines and ANSI A117.1 requirements for people with disabilities*



TEU3GN11#SS

## AUTOMATIC FLUSHING SYSTEM

TOTO, the world leader in advanced plumbing systems, provides sensor operated flush valves for facilities demanding the finest sanitation equipment for busy restrooms. "Hands-free" technology effectively reduces unsanitary conditions from unflushed fixtures.

## SELF-GENERATING POWER SYSTEM

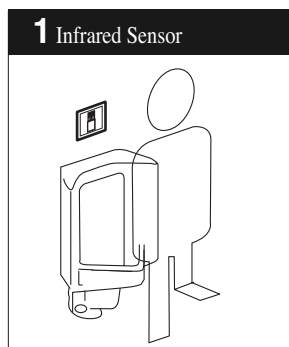
TOTO's new technology of automatic generator flush valves offers easy installation without the cost and downtime required to install power supplies and wiring for each valve. A **hydro-powered turbine charges the power supply during usage, eliminating the need for a battery replacement or consumption of external power for up to 10 years.**

## SUPERIOR PISTON VALVE

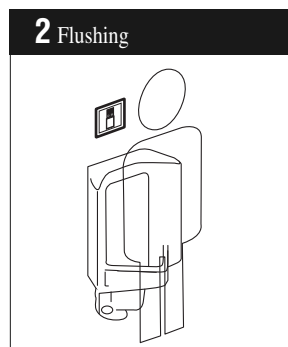
TOTO's piston valve technology is a marked improvement over traditional rubber diaphragm type valves. Longer piston travel and a self-cleaning stainless steel screen to capture debris reduces common problems such as continuous running and flooding. The piston seat itself will not warp or mis-seal, reducing repair and maintenance costs. A micro-porous cup seal keeps the piston self-lubricated upon each activation with the incoming water supply.

## OPERATING PROCEDURE

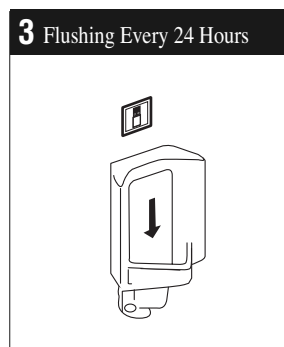
**A sanitary environment without using the hands.**



The infrared sensor detects a user standing in front of the urinal within 2 ft (600mm).



When the user stays in place longer than 6 seconds then moves away, the controller sends a signal to the operating unit to automatically trip the flush valve.



If toilet is not used, the system automatically flushes every 24 hours as a maintenance and hygienic precaution. Use the manual flush switch for maintenance and/or emergencies.

## FUZZY LOGIC MICROPROCESSOR

"Fuzzy logic" controlled flushing offers the ultimate water conservation without sacrificing performance. The new TOTO urinal flush valves utilize a fuzzy logic control microprocessor that measures the duration and frequency of use, and flushes an appropriate volume (0.5 - 1.0 gpf). In facilities with periods of frequent use, water conservation is maximized with the use of fuzzy logic technology.


## ECOPOWER SYSTEM

Designed for new and retrofit installations, TOTO's new technology of EcoPower offer easy installation without required to install power supplies Flush Valve.



# Self-Generating EcoPower® System Sensor Urinal Flush Valve, Concealed (4"x 4") - 1.0 GPF

## SPECIFICATIONS

<b>Product</b>	TEU3GN11#SS-Complete Set (3/4" V.B.), Back Spud, Satin Finish TEU3GN21#SS-Complete Set (1-1/4" V.B.), Back Spud, Satin Finish
<b>Power supply</b>	Hydro-Power Charge, 10 years based on 12 flushes per day. ( <i>backup battery: 4 years at 4,000 cycles per month without recharging</i> )
<b>Detection range</b>	Self-adjusting to environment
<b>Detection time</b>	Factory setting at six (6) seconds minimum
<b>Water supply</b>	3/4" NPT
<b>Discharge quantity</b>	Factory setting at 1.0 GPF/3.8 LPF
<b>Urinal type</b>	Low consumption wash down and jetted flush design urinals
<b>Ambient temperature</b>	32°-104°F (0°-40°C)
<b>Supply water pressure</b>	15 psi - 125 psi*
<b>Trap seal protection</b>	Automatic flushes once after twenty-four (24) hours of non-use
<b>Warranty</b>	Limited three (3) year warranty on all component parts. Details available upon request.
<b>Listings</b>	 A.S.S.E. 1037

These dimensions and specifications are subject to change without notice.

\*Water pressures over 80 psi are not recommended for most plumbing fixtures.

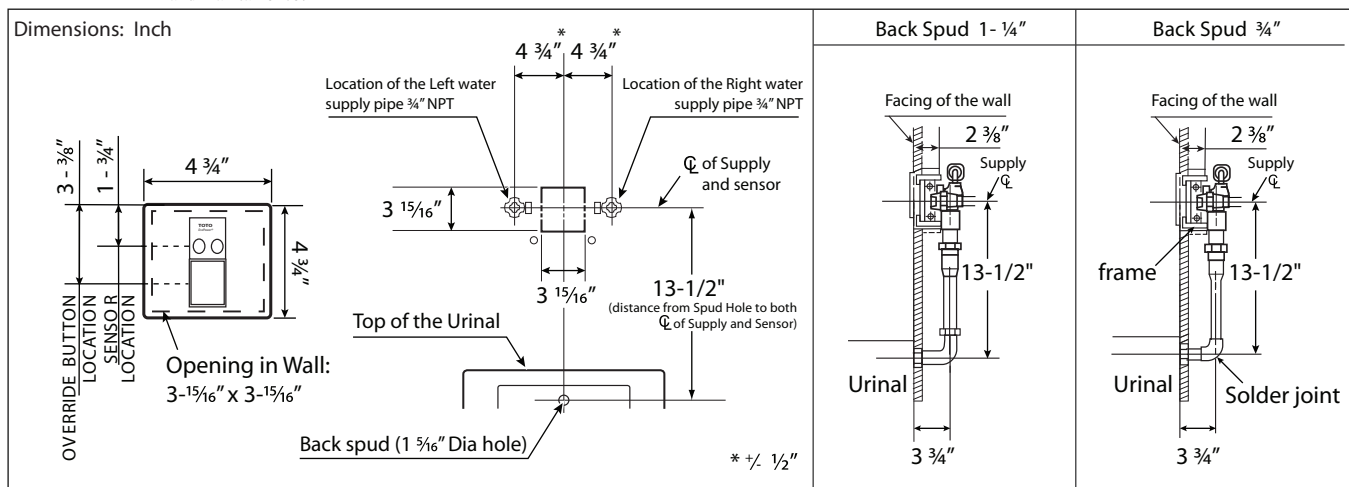
## SUGGESTED ENGINEERING SPECIFICATION:

TOTO® Model No. \_\_\_\_\_  
Automatic infrared sensor activated, piston urinal flush valve. Heavy-duty 4"x4" Stainless Steel coverplate with Satin finish. Vandal resistant hex head screws. Automatic sensor adjustment on installation. Manual override button. Piston valve with stainless steel self-cleaning debris screen and Solenoid with self-cleaning mechanism.

Automatic flush every twenty four hours if not used. Angle stop and vacuum breaker included with accessories. Electrical Sensor Component separated from water body of valve and sealed in waterproof compartment. Through the use of TOTO's EcoPower® Flush Valves, using the valve 12 flushes per day will fully recharge the valve for up to 10 years.

**DIAGRAM:** Minimum 12" x 12" access panel or walk-in chase is required for service and maintenance.

**RECOMMENDED INSTALLATION:** Note: Min space requirement in wall is 7" (178mm).



**TOTO®**

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