TOTO’S® ECOPOWER Flush Valves™
Sensor Urinal Flush Valve, Exposed - 1.0 GPF

To be specified:

**Sensor Toilet Flush Valve**
- Complete Set, Nickel Chrome Plated Finish
- TEU1GNC-12 (3/4" V.B.) - Left and Right Rough
- TEU1GNC-22 (1-1/4" V.B.) - Left and Right Rough

Complete set supplied with:
- Vacuum Breaker & Angle Stop Set - VB9CP-12
  - 3/4" Angle Stop - 10077/4
  - 3/4" Vacuum Breaker - 10075/2
  - Spud Nut & Escutcheon - 71051/nt5
  - Sweat Solder Kit - TH559EDVJS1
- Vacuum Breaker & Angle Stop Set - VB9CP-22
  - 3/4" Angle Stop - 10077/4
  - 1-1/4" Vacuum Breaker - 10075/5
  - Spud Nut & Escutcheon - 71051/nt5
  - Sweat Solder Kit - TH559EDVJS1

- Valve only, Nickel Chrome Plated Finish
- TEU1GNC - Left and Right Rough

Z-4000-J - Adapter for Ground Joint Angle Stops
Meets the American Disabilities Act Guidelines and ANSI A117.1 requirements for people with disabilities.

**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 offer 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 SELF-CLEANING 360° debris screen reduce common problems such as continuous running and flooding. The piston seat itself will not warp or mis-seal thus, significantly reducing repair and maintenance costs. A micro-porous cup seal keeps the piston self-lubricated upon each activation with the incoming water supply.

**NEUTRAL ROUGH-IN**

TOTO’s sensor flush valve has neutral rough-in, it can be used as right or left rough-in with no modification.

**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 which 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.

**OPERATING PROCEDURE**

A sanitary environment without using the hands.

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

2. Flushing
   - 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.

3. Flushing Every 24 Hours
   - If toilet is not used, the system automatically flushes every 24 hours as a maintenance and hygienic precaution.

Reliance Commercial Line
**SPECIFICATIONS**

| Product | TEU1GNC- Valve Only, Left and Right Rough, Chrome Plated Finish  
|         | TEU1GNC-12- Complete Set (3/4" V.B.), Left and Right Rough, Chrome Plated Finish  
|         | TEU1GNC-22- Complete Set (1-1/4" V.B.), Left and Right Rough, Chrome Plated Finish |  
| Power supply | Hydro-Power Charge, 10 years based on 2,000 cycles per month  
|             | (Backup battery: 4 years at 4,000 cycles per month without recharging) |  
| Supply water pressure | 15 psi - 125 psi* |  
| Water supply pipe | 3/4" NPT |  
| Discharge quantity | Factory setting at 1.0 GPF/3.8 LPF |  
| Ambient temperature | 32°-104°F (0°-40°C) |  
| Trap seal protection | Automatic flushing once every twenty-four (24) hours, if not used |  
| Detection time | Factory setting at six (6) seconds minimum |  
| Detection range | Self-adjusting to environment |  
| Warranty | Limited three (3) year warranty on all component parts. Details available upon request. |  
| Listings | 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.  


**DIAGRAM:**

TEU1GNC-12