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.

OPERATING PROCEDURE

A sanitary environment without using the hands.

1. Infrared Sensor
   The infrared sensor detects a user sitting on the toilet seat, or standing.

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.

   Use the manual flush button for maintenance and/or emergencies.
**TOTO’S® ECOPOWER FLUSH VALVES™**
Sensor Toilet Flush Valve, Exposed - 3.5 GPF

**SPECIFICATIONS**

| Product | TEW1GNC– Valve Only, Left and Right Rough, Chrome Plated Finish  
|         | TEW1GNC-32- Complete Set (1-1/2" 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 | 1" NPT |
| Discharge quantity | Factory setting at 3.5 GPF/13 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. ______________________________

Automatic infrared sensor activated, piston toilet flush valve. Heavy-duty zinc die cast cover with nickel chrome finish. Vandal resistant hex head screws. Automatic sensor adjustment on installation. Manual override button. Piston valve and solenoid with self-cleaning mechanism. Automatic flush every twenty four hours if not used. Angle stop and vacuum breaker included with accessories. Through the use of TOTO’S® EcoPower Flush Valves™, using the valve 2000 times a month will fully recharge the valve for up to 10 years.

**DIAGRAM:**

TEW1GNC-32

Alternate ADA Installation
Lower the supply rough-in to 9.5” (241mm) and mount grab bar at the 36” (914mm) maximum allowed height.