To be specified:

**Sensor Urinal Flush Valve**
- Complete Set, Surface Mount, Satin Finish
  - (14" x 12" cover plate)
- Back Spud - TEU2DNS-11
- Back Spud - TEU2DNS-21

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

Meet the American disability 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.

**SUPERIOR PISTON VALVE**

TOTO’s piston valve technology is a marked improvement over traditional rubber diaphragm type valves. Longer piston travel and self-cleaning stainless steel 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.

**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.

**NEUTRAL ROUGH-IN**

TOTO’s sensor flush valve has a neutral rough-in, it can be used as a right or left hand rough-in without modifications.

---

**Operating Procedure**

A sanitary environment without using the hands.

1. Infrared Sensor
2. Urinal Usage
3. Flushing
Battery Powered (6V DC)
Sensor Urinal Flush Valve, Concealed - 1.0 GPF

SPECIFICATIONS

| Product | TEU2DNS-11-Complete Set (3/4" V.B.), Back Spud, Satin Finish
|         | TEU2DNS-21-Complete Set (1-1/4" V.B.), Back Spud, Satin Finish
| Power supply | Four AA alkaline batteries, 2-year life, based on 4000 cycles per month
| Detection range | Self-adjusting to environment
| Detection time | Factory setting at six (6) seconds minimum
| Water supply | 3/4" NPT
| Discharge quantity | Factory setting at 1.0 GPF/3.8 LPF
| Urinal type | Low consumption wash down and jetted flush design urinals
| Ambient temperature | 32°-104°F (0°-40°C)
| Supply water pressure | 15 psi - 125 psi*
| Warranty | Limited three (3) year warranty on all component parts. Details available upon request.
| Listings | ASSE 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, bronze piston urinal flush valve. 14" x 12" cover plate with brushed stainless finish and vandal resistant mounting screws. Four AA alkaline batteries included with a 2-year life at 4,000 cycles/month. Low consumption 1.0 gallons per flush. Piston valve with stainless self-cleaning debris screen and self-cleaning solenoid. Electrical sensor components separated from water body of valve and sealed in a waterproof compartment. Fuzzy logic and vandal resistant sensor included. Manual override button included.

DIAGRAM:

Dimensions: Inch
(URINAL VALVE ONLY)

[Diagram of urinal valve dimensions and supply connections]

Back Spud 1-1/4"

Facing of the wall

Supply G

Solder joint

Back Spud 3/4"

Facing of the wall

Supply G