Battery Powered (6V DC)
Sensor Toilet Flush Valve, Concealed
(4” x 4”) - 1.6 GPF

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.

OPERATING PROCEDURE: A sanitary environment without using the hands.

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

2. Flushing
   After using over 5 seconds, when a user leaves the fixture, the sensor automatically sends a signal to the operating unit to activate the flush valve.

For toilet bowl maintenance, the toilet is equipped with a manual flushing button.

Meets the American disability Act Guidelines and ANSI A117.1 requirements for people with disabilities.

To be specified:
Sensor Toilet Flush Valve
- Complete Set, Surface Mount, Satin Finish
  (4” x 4” cover plate)
- Back Spud Floor – TET3DNS-33 (1-1/2” V.B.)
- Back Spud Wall – TET3DNS-31 (1-1/2” V.B.)
- Top Spud – TET3DNS-32 (1-1/2” V.B.)

Supplied with:
- Vacuum Breaker & Angle Stop Set -VB13RB-31
  (Back Spud Wall)
  - 1” Angle Stop - 10077t5
  - 1-1/2” Vacuum Breaker - 10075t6
  - Outlet Tube - TH559EDV176
  - Sweat Solder Kit – SJ3
- Vacuum Breaker & Angle Stop Set -VB13RB-32
  (Top Spud)
  - 1” Angle Stop - 10077t5
  - 1-1/2” Vacuum Breaker - 10075t3
  - Outlet Tube - TH559EDV177
  - Sweat Solder Kit – SJ3
- Vacuum Breaker & Angle Stop Set -VB13RB-33
  (Back Spud floor)
  - 1” Angle Stop - 10077t5
  - 1-1/2” Vacuum Breaker - 10075t6
  - Outlet Tube - TH559EDV175
  - Sweat Solder Kit – SJ3
Battery Powered (6V DC)
Sensor Toilet Flush Valve, Concealed (4" x 4") - 1.6 GPF

SPECIFICATIONS

Product
TET3DNS-31 - Complete Set (1 1/2" V.B.), Back Spud Wall, Satin Finish
TET3DNS-32 - Complete Set (1 1/2" V.B.), Top Spud, Satin Finish
TET3DNS-33 - Complete Set (1 1/2" V.B.), Back Spud Floor, 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
1" NPT

Discharge quantity
Factory setting at 1.6 GPF/6.0 LPF

Toilet type
Flushometer type bowl

Ambient temperature
32°-104°F (0°-40°C)

Supply water pressure
15 psi - 100 psi*

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, bronze piston toilet flush valve. 4" x 4" cover plate with brushed stainless finish. Electrical sensor components separated from water body of solenoid valve and sealed in a waterproof compartment. Low consumption 1.6 gallons per flush. Piston valve with stainless self-cleaning debris screen and self-cleaning solenoid. Manual override button included.

Note: make sure push button and trip lever are properly aligned. Do not place grab bars in front of sensor for ADA stalls. Minimum 12"x12" access panel, or walk-in chase is required for service and maintenance.

DIAGRAM:

Dimensions: Inch (TOILET VALVE ONLY)

Top Spud
Back Spud Floor Mount
Back Spud Wall Mount

Depending on , the frame may not be centered to Supply Q as shown.

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Printed in U.S.A. © TOTO LTD. 07/08 #H80106

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REV 07/08