Sloan® Optima® SMOOTH® Battery Powered Flushometer Royal 137 SMOOTH

▶ Code Number

TEMPSPEC

▶ SPECIFICATIONS

Description

- Exposed, Battery Powered, Sensor Activated, Royal® Optima® SMOOTH™Water Closet Flushometer for back inlet squat toilets.

Flush Cycle

- 3.5 gpf/13.2 lpf
- 1.6 gpf/6.0Lpf
- 2.4 gpf/9.0 Lpf

Specifications

- Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- "Low Battery" Flashing LED
- "User in View" Flashing LED
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- FLUSHOMETER
- Optima SMOOTH Unit
- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- Four (4) Size C Batteries included
- 25 to 80 psi Operating Range
- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- Flush accuracy controlled by CID® technology
- Spud Coupling and Flange for 1 1/2" Top Spud
- Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Free Spinning Vandal Resistant Stop Cap
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance
- ADA Compliant OPTIMA® SMOOTH® Battery Powered Infrared Sensor for automatic "Hands-free" operation
- Chrome Plated Infrared Sensor Housing

Variations

- YJ - Split Ring Pipe Support
- Solid Ring Pipe Support
- 1¼" Flush Connection and Spud Coupling
- Less Vacuum Breaker

▶ ELECTRICAL SPECIFICATIONS

Indicator Lights

- User in View

Control Circuit

- 6 VDC Input

Sensor Type

▶ FEATURES

Automatic Operation

- SMOOTH® equipped Flushometers provide the ultimate in sanitary protection and automatic operation. Once the user enters the sensor's effective range and then steps away, the SMOOTH® Unit initiates the flushing cycle to flush the fixture. Stateof- the-art Technology enables override activation without "double flushing" as the user departs (sensor is locked-out for approximately 10 seconds). True manual override eliminates the need for expensive battery back-up systems.

Hygienic

- The Royal® OPTIMA® SMOOTH™ Flushometer System is the next advancement in hygiene. User makes no physical contact with the Flushometer surface except to initiate the Mechanical Manual Override Flush Handle when required. Helps control the spread of infectious diseases.

Economical

- Automatic operation provides water usage savings over other flushing devices. Reduces maintenance and operation costs.

▶ Compliance & Certifications

True Mechanical Override

Buy American Act Compliant

This space for Architect/Engineer Approval

▶ ROUGH-IN

- Active Infrared with Automatic Adjustment

Sensor Range

- Normal Range: 26" - 32" (660 mm-813 mm)
- Reduced Range: 20" - 26" (508 mm-660 mm)

Battery Type

- (4) C Alkaline

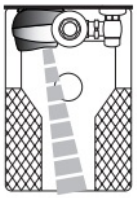
Battery Life

- 2 Years @ 4,000 Flushes/Month

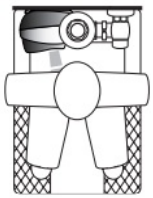
Operating Pressure

- 25-80 psi (172-552 kPa)

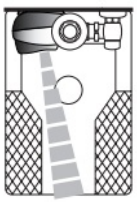
▶ OPERATION



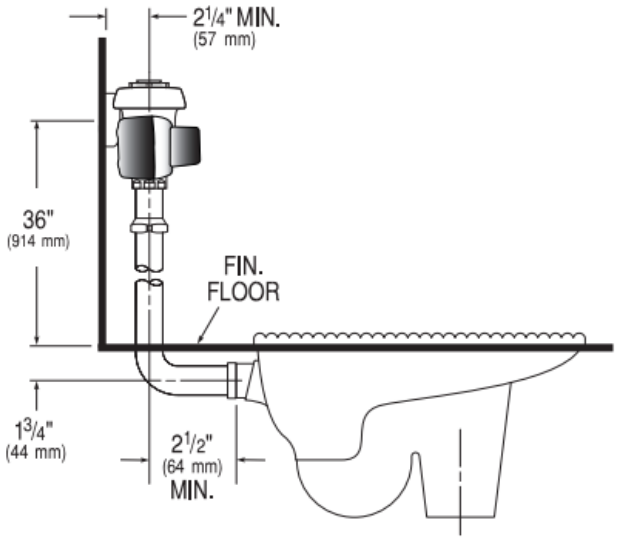
1. A continuous, invisible light beam is emitted from the SMOOTH unit's Infrared Sensor.



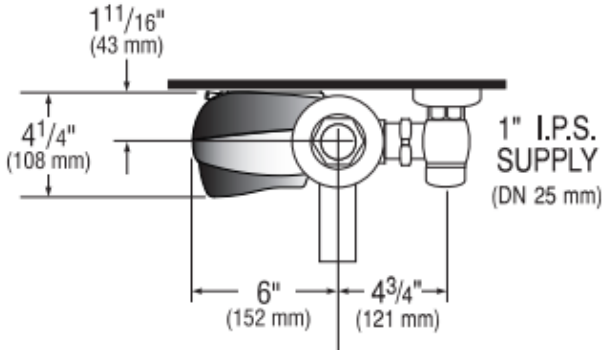
2. When the user enters the sensor's effective range, the Red LED light in the sensor window flashes for eight seconds. After eight seconds of sensing the user, the light will stop flashing and the unit waits for the user to step away before initiating a flush cycle



3. When the user steps away, the unit initiates a flush cycle. The unit then automatically resets and is ready for the next user.



SIDE VIEW



TOP VIEW