

► Code Number

3772625

► Description

Exposed, Hardwired, Sensor Activated, Sloan® Optima® SMOOTH® Urinal Flushometer for 3/4" top spud urinals.

► Flush Cycle

1.0 gpf/3.8 Lpf

Specifications

FLUSHOMETER

Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer with the following features:

- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Vacuum Breaker with Flush Connection
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- 3/4" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Low Consumption flush accuracy
- Spud Coupling and Flange for 3/4" Top Spud
- Diaphragm, Handle Packing and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine Resistance

Optima SMOOTH Unit

- "User in View" Flashing LED

ADA Compliant OPTIMA® SMOOTH® Line Powered Infrared Sensor for automatic "Hands-free" operation

- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- 25 to 80 psi Operating Range

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.

- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- Chrome Plated Infrared Sensor Housing

► Accessories (Sold Separately)

- ☐ EL-386 Transformer Plug-In (120 VAC/6 VAC)
- ☐ EL-451 Transformer Box-Mount (120 VAC/6 VAC 25VA)



► FEATURES

Hygienic

The Royal® Optima® SMOOTH® HW Flushometer is the next advancement in hygiene. It uses sensor technology to transform manual installations into electronic, hands-free operation. User makes no physical contact with the Flushometer surface except to initiate the Override Handle when required. Helps control the spread of infectious diseases.

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. State-of-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.

Economical

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

► Compliance & Certifications



This space for Architect/Engineer Approval

► ELECTRICAL SPECIFICATIONS

Control Circuit

- 6 VDC Input

Sensor Type

- Active Infrared with Automatic Adjustment

Sensor Range

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

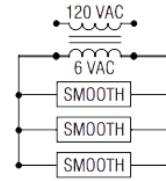
Operating Pressure

- 25-80 psi (172-552 kPa)

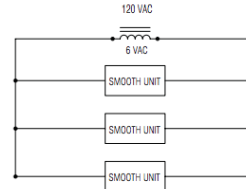
Indicator Lights

- User in View

► WIRING DIAGRAM



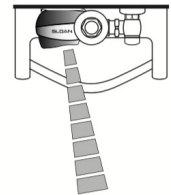
One EL-451 Transformer serves up to eight (8) OPTIMA® Closet/Urinal Flushometers.



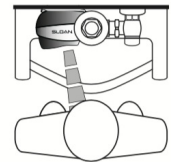
One EL-386 Transformer serves one (1) OPTIMA Closet/Urinal Flushometer. One EL-451 Transformer serves up to six (6) OPTIMA Closet/Urinal Flushometers. Specify part number and number of transformers required accordingly.

► OPERATION

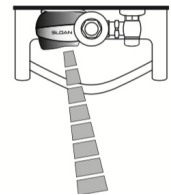
1. A continuous, invisible light beam is emitted from the SMOOTH™ unit's Infrared Sensor.



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.



► ROUGH-IN

SLOAN Optima® SMOOTH®
Hardwire Powered Flushometers
186-1 DFB SMOOTH HW

