

► **Description**

Exposed, Sensor Activated, Crown® Optima® SMOOTH™ Water Closet Flushometer for floor mounted or wall hung top spud bowls. Valve cannot be converted to exceed a low consumption flush.

Specifications

Quiet, Exposed, Piston Type, Chrome Plated Closet Flushometer with the following features:

- Fixed Volume Piston with Filtered O-ring Bypass
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Locking Vandal Resistant Stop Cap
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- Ultra High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker to be molded from PERMEX™ Rubber Compound for Chloramine Resistance
- Sensor with Automatic Range Adjustment
- Mechanical Manual Override Flush Handle
- "User in View" Flashing LED
- 25 to 80 psi Operating Range
- Valve designed to accept Low and Ultra-Low Consumption Pistons only to ensure Water Conservation
- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- 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.

- ADA Compliant OPTIMA® SMOOTH® Battery Powered Infrared Sensor for automatic "Hands-free" operation
- Chrome Plated Infrared Sensor Housing

Variations

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.

► **Accessories (specify separately)**

- EL-386 - 120 VAC/6 VAC, 50/60 Hz (3 VA) - Plug-in (will operate 1 unit)
- EL-451-A Transformer- 120 VAC Input/6 VAC Output, 50/60 Hz (25 VA)
- Box Mount (will operate up to 6 units)

► **ELECTRICAL SPECIFICATIONS**

Control Circuit

6 VDC Input

Indicator Lights

User in View

OPTIMA 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. 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.

Hygienic

The Crown® Optima® SMOOTH® 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.

► **Compliance & Certifications**



This space for Architect/Engineer Approval

► **OPERATION**

Active Infrared with Automatic Adjustment

OPTIMA Sensor Range

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

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

Operating Pressure

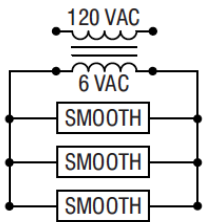
25-80 psi (172-552 kPa)

► Transformer

Sloan Part #EL-386 (Plug-in) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 3 VA.

Sloan Part #EL-451 (Box Mount) 120 VAC, 50/60 Hz Primary 6 VAC, 50/60 Hz Secondary Class II, 25 VA.

► WIRING DIAGRAM



One EL-386 Transformer serves one (1) OPTIMA® Closet/Urinal Flushometer.

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

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.



► Code Number

3120017

► ROUGH-IN

