

► **Code Number**

10001301

► **Description**

Complete system with exposed, sensor activated, Royal OPTIMA® Flushometer and vitreous china urinal fixture.

► **Flush Cycle**

0.125 gpf/0.5 Lpf

► **SPECIFICATIONS**

Quiet, exposed, sensor-activated, diaphragm type, chrome plated flushometer for either left or right hand supply and vitreous china urinal with the following features:

Flushometer and OPTIMA® ES-S Unit

- Non-Hold-Open Integral Solenoid Operator
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® Rubber Compound for Chloramine Resistance
- Free Spinning Vandal Resistant Stop Cap
- Adjustable Tailpiece
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- Optima® EL-1500 self-adaptive infrared sensor with indicator light
- Chrome Plated Wall Cover Plate (for 2-gang Electrical Box) with Vandal Resistant Screws
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for ¾" Top Spud
- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- ¾" I.P.S. Screwdriver Bak-chek® Angle Stop
- High Efficiency Flush accuracy

Valve Body, cover, Tailpiece and control Stop shall be in conformance with ASTM Alloy classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037/ ASME A112.19.2/CSA B45.1

Fixture Specifications

- Integral flushing rim
- Wall hung vitreous china
- Washdown flushing action
- All mounting hardware included
- Carrier not included
- Vandal resistant strainer assembly included
- ¾" I.P.S. top spud inlet
- 2" NPT outlet flange
- 100% factory flush tested
- Complies to the applicable sections of: ANSI/ASME A112.19.2 and CSA B45.1

► **Variations**

DBP - Dual-Bypass Diaphragm



► **FEATURES**

Automatic

Sloan OPTIMA® equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There are no handles to trip or buttons to push. The Flushometer operates by means of an infrared sensor that adapts to its surroundings. Once the user enters the sensor's effective range and then steps away, the Flushometer Solenoid initiates the flushing cycle to flush the fixture.

Hygienic

User makes no physical contact with the Flushometer surface except to initiate the Override Button when required. Helps control the spread of infectious diseases. 24-Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

Economical

Automatic operation provides energy savings. Reduces maintenance and operating costs. Designed for quick and easy installation.

Practical

Solid state electronic circuitry assures years of dependable, trouble-free operation. The operational components of the Flushometer are identical to a handle activated Sloan® Flushometer, proven by over 100 years of experience.

► **Compliance & Certifications**



► **Note**

Plumbing System Requirements

Minimum Flowing Pressure: 25 PSI / Minimum Flow Rate: 18 GPM / Maximum Fixture Static Pressure: 80 PSI

This space for Architect/Engineer Approval

► ELECTRICAL SPECIFICATIONS

Control Circuit

- Solid State
- 8 Second Arming Delay
- 24 VAC Input
- 24 VAC Output
- 24 Hour Sentinel Flush

Sensor Range

- Self-adaptive Window $\pm 8"$ (203 mm)
- Nominal 15"-30" (381 mm-762 mm), adjustable $\pm 8"$ (203 mm)

Solenoid Operator

- 24 VAC, 50/60 Hz

Transformer Accessories

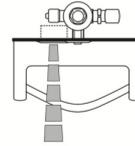
- EL-154 Transformer (120 VAC/24 VAC 50 VA)
- EL-342 Transformer (240 VAC/24 VAC 50 VA)

► Disclaimer

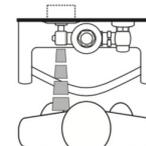
All information contained within this document subject to change without notice.

NOTE: All vitreous china dimensions shown in these drawings are nominal and not to scale. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. It is important to consider this when planning rough-in and plumbing layouts.

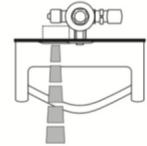
► OPERATION



1. A continuous, invisible light beam is emitted from the OPTIMA® Sensor.



2. As the user enters the beam's effective range (15" to 30") the beam is reflected into the OPTIMA® Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the OPTIMA® Sensor, the circuit immediately initiates an electrical "one-time" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The circuit then automatically resets and is ready for the next user.

