

► Code Number

3771628

► Flush Cycle

1.6 gpf/6.0Lpf

► Specifications

Quiet, Concealed, Diaphragm Type, Rough Brass Closet Flushometer with the following features:

- 1" I.P.S. Wheel Handle Bak-Chek® Angle Stop
- Chrome Plated Exposed Flushometer Parts
- Spud Coupling for 1½" Concealed Back Spud
- Vacuum Breaker with Flush Connection
- Low Consumption flush accuracy
- User friendly three (3) second Flush Delay
- No External Volume Adjustment to Ensure Water Conservation
- OPTIMA® EL-1500 Self-Adaptive Infrared Sensor with Indicator Light
- 13 1/2" x 13 1/2" Wall Box with Stainless Steel Access Panel and Vandal Resistant Screws
- Adjustable Tailpiece
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Courtesy Flush® Override Button

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Red Brass. Valve shall be in compliance to 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™
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for Chloramine resistance

► Variations

2-10 3/4 LDIM

SWB - Small Wall Box

► Control Circuit

Solid State

8 Second Arming Delay

3 Second Flush Delay

24 VAC Input

24 VAC Output

► Solenoid Operator

24 VAC, 50/60 Hz

► Transformers

Sloan Part #EL-154 120 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.

Sloan Part #EL-342 240 VAC, 50/60 Hz Primary 24 VAC, 50/60 Hz Secondary Class II, UL Listed, 50 VA.

► Accessories (Sold Separately)

- Transformer (120 VAC/24 VAC, 50 VA) EL-154
- Transformer (240 VAC/24 VAC, 50 VA) EL-342
- See Accessories Section and OPTIMA® Accessories Section of



► Economical

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

► L Dimension

Specify the "L" Dimension for the proper length of the Handle Assembly and Flush Connection. The "L" Dimension is equal to the Wall Thickness (to the nearest whole inch) plus 2¾" (70 mm).

► 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.

► Automatic Operation

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 surrounding. 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.

► Made in the U.S.A.

► Compliance & Certifications



This space for Architect/Engineer Approval

the Sloan catalog for details on these and other OPTIMA® Flushometer variations.

► Sensor Range

Nominal 22" - 42" (559 mm - 1067 mm) Self-adaptive Window: ± 10" (254 mm)

► OPERATION



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

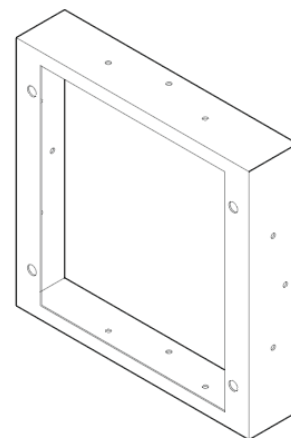
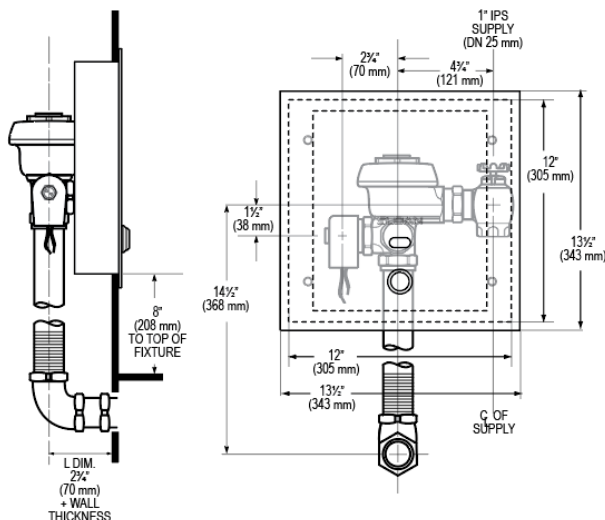


2. As the user enters the beam's effective range (22" to 42") the beam is reflected into the OPTIMA Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the OPTIMA Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical "onetime" 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.

► ROUGH-IN



PROPER WALL FRAME
ORIENTATION

► ELECTRICAL BOX INSTALLATION

SENSOR LOCATION AND POSITIONING IS CRITICAL

Adjust the Mounting Bracket so that the Sensor sits flush against the Cover Plate.

Refer to the instructions packaged with the Flushometer for additional installation information.

► WIRING DIAGRAM

One Transformer serves up to ten (10) OPTIMA Closet/ Urinal Flushometers. Specify number of transformers required accordingly.

► Wall Plate Specifications

Sloan Wall Plate Assembly

Screws: (4) #8-32 x 3/4" Drilled Spanner Head — Spanner Bit Provided 8152

Cover (Access Panel): 13½" x 13½" (343 mm x 343 mm), #16 Gauge, #304 Stainless Steel, #4 Finish

Frame: 12" x 12" x 4" (305 mm x 305 mm x 102 mm), #16 Gauge