

Model

WETS 2053.1302-1.6 HWS

OPTIMA® Systems Sensor activated Flushometer and Wall Hung Water Closet

DESCRIPTION

Complete system with exposed, AC powered, sensor activated, Royal® OPTIMA® SMOOTH™ closet Flushometer and vitreous china wall hung fixture.

Flush Cycle

Model WETS-2053.1302-1.6 HWS (1.6 gpf/6.0 Lpf)

Code: 20531302



Meets the American Disabilities Guidelines and ANSI A117.1 requirements when installed according to these requirements.

NOTE:

Plumbing System Requirements

- Minimum **Flowing** Pressure: 25 PSI
- Minimum Flow Rate: 18 GPM
- Maximum Static Pressure: 80 PSI

SPECIFICATIONS

Quiet, exposed, sensor activated diaphragm type, chrome plated closet Flushometer for either left or right hand supply and vitreous china wall hung water closet with the following features:

Flushometer

- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Free Spinning Vandal Resistant Stop Cap
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1-1/2" Top Spud
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Flush Accuracy Controlled by CID® Technology
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® Rubber Compound for Chloramine Resistance
- 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.

OPTIMA® SMOOTH™ Unit

- ADA compliant OPTIMA® SMOOTH™ AC powered infrared sensor for automatic "Hands-free" operation
- Mechanical Manual Override Flush Handle
- "User in View" flashing LED
- 25 to 80 psi operating range
- Vandal resistant 1/8" ball-type hex key included

Fixture

- Wall hung vitreous china elongated bowl
- Siphon jet flushing action
- 1-1/2" I.P.S. top spud inlet
- 2 1/8" fully glazed trapway diameter
- Integral flushing rim
- Water spot area 9 1/2" x 8 1/4"
- Mounting hardware, carrier and toilet seat not included
- Compatible with toilet seat models: Bemis 1955CT, Bemis 2155CT
- Water closet shall be in compliance to the applicable sections of ASME A112.19.2/CSA B45.1

FEATURES

Automatic

Sloan OPTIMA® SMOOTH™ 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. Helps control the spread of infectious diseases. 72-hour Sentinel Flush keeps fixture fresh during periods of nonuse.

Economical

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

Practical

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

Warranty

3 year (limited)



This space for Architect/Engineer approval

Job Name	Date
Model Specified	Quantity
Variations Specified	
Customer/Wholesaler	
Contractor	
Architect	

SLOAN

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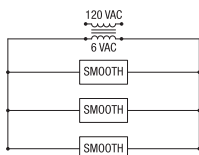
Flush Cycle

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ELECTRICAL SPECIFICATIONS

- **Control Circuit**
6 VDC input, 8 second arming delay, 72 hour Sentinel Flush
- **OPTIMA® Sensor Range**
Normal Range (recommended for Water Closets) with 2 – 3 second flush delay:
26" – 32" (660 mm – 813 mm)
Normal Range (recommended for Water Closets) with 1 – 2 second flush delay:
26" – 32" (660 mm – 813 mm)
- **OPTIMA® Sensor Type**
Active infrared with automatic adjustment
- **Valve Operating Pressure (Flowing)**
25 – 80 psi (172-552 kPa)
- **Transformer**
EL-386 (Plug-in)
120 VAC, 50/60 Hz Primary
6 VAC, 50/60 Hz Secondary
Class II, 25 VA.
EL-451 (Box Mount)
120 VAC, 50/60 Hz Primary
6 VAC, 50/60 Hz Secondary
Class II, 25 VA.
- **Transformer Options**
EL-386 (120 VAC/6 VAC 50/60 Hz (3 VA) – Plug-in (will operate one unit)
EL-451 (120 VAC/6 VAC 50/60 Hz (25 VA) – Box Mount (will operate up to 8 units)

WIRING DIAGRAM



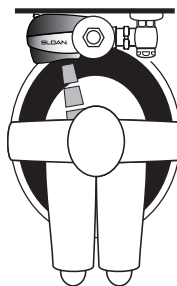
One EL-386 Transformer serves one (1) Optima® closet/urinal Flushometer.

One EL-451 Transformer serves up to eight (8) Optima® closet/urinal Flushometers. Specify part number and number of transformers required accordingly.

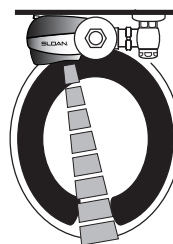
OPERATION



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

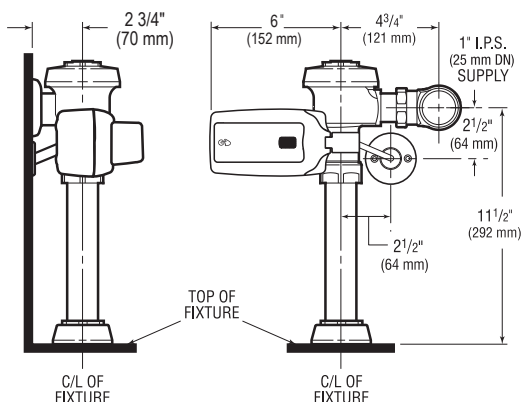


2. When the user enters the sensor's effective range, the Red LED light in the sensor window flashes for eight seconds. After eight seconds of sensing the user, the light will stop flashing and the unit waits for the user to step away before initiating a flush cycle.

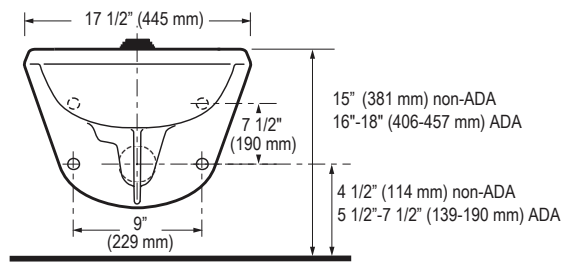


3. When the user steps away, the unit initiates a flush cycle. The unit then automatically resets and is ready for the next user.

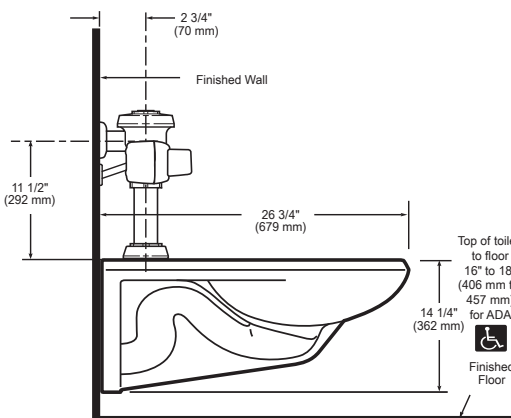
DIMENSIONS/ROUGH-IN



NOTE: All vitreous china dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. Please take this into consideration when planning rough-in and plumbing layouts.



Designed to meet ADA standards when bowl is 17" - 19" high including seat



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