

Model

## WETS 2053.1404-1.6 GEM 2® SMO

OPTIMA® Systems Battery Powered Piston Flushometer and Wall Hung Water Closet

### DESCRIPTION

Complete system with exposed GEM 2® OPTIMA® SMO closet piston Flushometer and vitreous china wall hung water closet.

### Flush Cycle

Model WETS 2053.1404-1.6 GEM 2® SMO  
(1.6 gpf/6.0 Lpf)



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

### SPECIFICATIONS

#### Flushometer and OPTIMA® SMO Unit

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

- ADA Compliant OPTIMA® Battery Powered Infrared Sensor for automatic “No Hands” operation
- Fixed Volume Piston with Filtered O-ring Bypass
- Chrome Plated Infrared Sensor Housing
- Angled Sensor Window
- Manual Override Flush Button
- Four (4) Size C Batteries included
- “Low Battery” Flashing LED with Optional Audio Tone
- “User in View” Flashing LED
- Optional 24-Hour Sentinel Flush
- Infrared Sensor Range Adjustment Screw and Reset Button
- EBV-157 Handle Adapter Kit
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Locking Vandal Resistant Stop Cap
- Adjustable Tailpiece
- Vacuum Breaker Flush Connection
- Spud Coupling, Wall and Spud Flanges for 1½" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- No External Volume Adjustment to Ensure Water Conservation
- Stop Seat and Vacuum Breaker Molded from PERMEX™ Rubber Compound for Chloramine Resistance. Classification for Semi-Red Brass Valve shall be in compliance with the applicable sections of ASSE 1037, ANSI/ASME A112.19.2

#### Water Closet

- Wall hung vitreous china elongated bowl
- Siphon jet flushing action
- 1-1/2" I.P.S. top spud inlet
- 2" 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: Olsonite 10CT, Bemis 1955CT & Church Commercial 295CT
- Water closet shall be in compliance to the applicable sections of ASME A112.19.2/CSA B45.1

### FEATURES

#### Automatic

Sloan OPTIMA® SMO equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There is no need for AC hookups or wall alterations. The Flushometer operates by means of a battery powered infrared sensor. Once the user enters the sensor's effective range and then steps away, the Side Mount Operator 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. 24-hour Sentinel Flush keeps fixture fresh during periods of nonuse.

#### Economical

Automatic operation and a very low flush volume provides water savings over other flushing devices. Reduces maintenance and operation costs. Installation and battery replacement does not require turning off water to the valve.

#### Warranty

3 year (limited)



Sloan Valve Company is buying renewable energy certificates to meet 100% of the company's purchased electricity use at its Franklin Park, Illinois facility.

## SLOAN®

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This space for Architect/Engineer approval	
Job Name	Date
Model Specified	Quantity
Variations Specified	
Customer/Wholesaler	
Contractor	
Architect	

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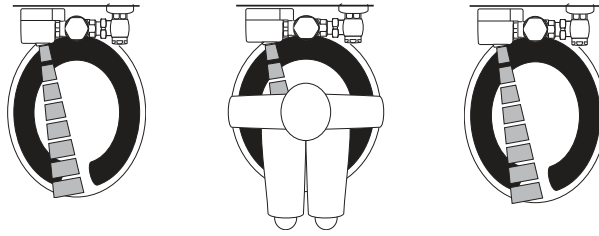
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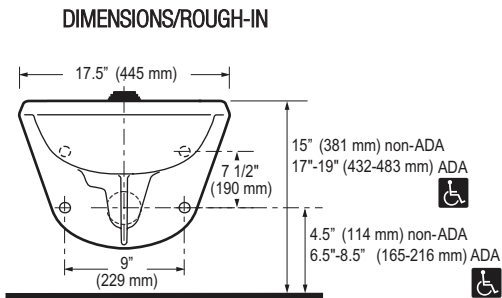
### ELECTRICAL SPECIFICATIONS

- **Control Circuit**  
Solid state, 6 VDC input
- **OPTIMA Sensor Type**  
Infrared convergence type object lock detection
- **OPTIMA Sensor Range**  
Nominal 8" – 54" (203 mm – 1372 mm), factory set at 24" (610 mm)
- **Battery Type**  
(4) Size C Alkaline
- **Battery Life**  
2 Years @ 3,000 flushes/month
- **Indicator Lights**  
User in view/low battery
- **Operating Pressure**  
15 – 100 psi (104 – 689 kPa)

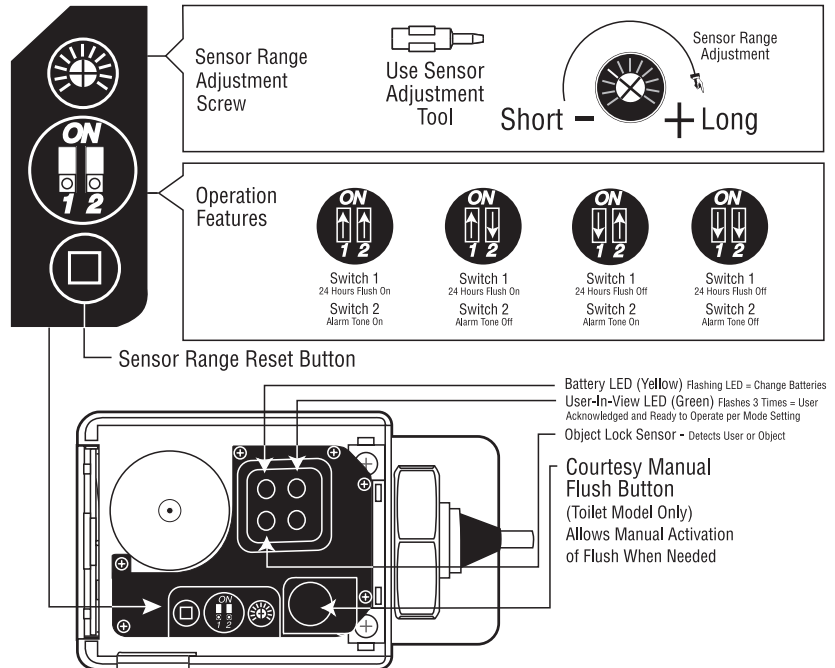
### OPERATION



1. A continuous, invisible light beam is emitted from the Object Lock Infrared Sensor.
2. As the user enters the beam's effective range, 8" to 54" (203 mm – 1372 mm), the Object Lock Infrared Sensor senses the user.
3. When the user steps away from the Object Lock Infrared Sensor, the circuit initiates the flushing cycle to flush the fixture. The circuit then automatically resets and is ready for the next user.



### SMO UNIT DETAIL



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