SLOAN®
Efficiency Series

Model
WETS 2053.1201-1.6 SOLIS®
OPTIMA Plus® Systems Solar-Powered Flushometer and Wall Hung Water Closet

DESCRIPTION

Complete system with Solar-Powered, Sensor Operated OPTIMA Plus® closet Flushometer and vitreous china wall hung water closet.

Flush Cycle
Model WETS 2053.1201-1.6 SOLIS® (1.6 gpf/6.0 Lpf)

Meets the American Disabilities Guidlines 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

Quiet, exposed, diaphragm type, chrome plated closet Flushometer for either left or right hand supply with the following features:

Flushometer
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- ADA Compliant OPTIMA Plus® Solar-Powered Solis® Infrared Sensor for automatic "No Hands" operation
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Engineered Metal Cover with replaceable Lens Window
- Courtesy Flush™ Override Button
- Sensor assembly powered by a solar cell that harvests power from artificial indoor light (incandescent or fluorescent), will provide 100% of power with 650 illuminance (lux).
- Four (4) Size AA Battery back-up power source
- "Low Battery" Flashing LED
- Infrared Sensor Range Adjustment Screw
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome Plated Metal Handle Cap
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- 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 with Cover Tube and Cast Wall Flange with Set Screw
- High copper, low zinc brass castings for dezincification resistance
- Fixed Metering Bypass and no external volume adjustment to ensure water conservation
- Flush Accuracy Controlled by CID® Technology
- Diaphragm, Stop Seat and Vacuum Breaker to be molded from PERMEX® rubber compound for chloramine resistance
- Valve Body, 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, ANSI/ASME A112.19.2. Installation conforms to ADA requirements.

These products when installed as a combination as shown, meet the "Buy American Act" requirements

SPECIFICATIONS (CONTINUED)

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 SOLIS® solar-powered Flushometers activate via multi-lobular sensor detection to provide the ultimate in sanitary protection and automatic operation. A solar-powered infrared sensor sets the flushing mechanism after the user is detected and completes the flush when the user steps away.

Functional & Hygienic
Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The OPTIMA Plus® Flushometer is provided with an Override Button to allow a "courtesy flush" for individual user comfort.

Economical
Solar power with back-up batteries provide years of metered flushing to control the use of water and energy. Batteries can be changed without turning off the water.

Warranty
3 year (limited)

Made In The USA

EPA GREEN POWER PARTNER

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

This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

SLOAN®
Sloan Valve Company
10500 Seymour Avenue
Franklin Park, IL 60131
Phone: 1-800-9-VALVE-9 (982-5839)
or 1-847-671-4300
Fax: 1-800-447-8329 or 1-847-671-4380
www.sloanvalve.com

SLOAN®
Efficiency Series

Model
WETS 2053.1201-1.6 SOLIS®
OPTIMA Plus® Systems Solar-Powered Flushometer and Wall Hung Water Closet

DESCRIPTION

Complete system with Solar-Powered, Sensor Operated OPTIMA Plus® closet Flushometer and vitreous china wall hung water closet.

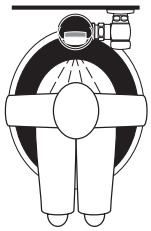
Flush Cycle
Model WETS 2053.1201-1.6 SOLIS® (1.6 gpf/6.0 Lpf)

ELECTRICAL SPECIFICATIONS

- **Control Circuit**
  Solid State
  6 VDC Input
  8 Second Arming Delay
  72 hour Sentinel Flush
- **Sloan SOLIS Flush Sensor Type**
  Active Infrared
- **Sloan SOLIS Flush Sensor Range**
  Nominal 22" - 42" (559 mm -1067 mm),
  Adjustable ± 8" (203 mm)
- **Battery Back-up Type**
  (4) AA Alkaline
- **Battery Life**
  6 Years @ 4,000 flushes/month
- **Indicator Lights**
  Range adjustment/low battery
- **Operating Pressure**
  15 – 100 psi (104 – 689 kPa)
- **Sentinel Flush**
  Once every 72 Hours after the last flush

OPERATION

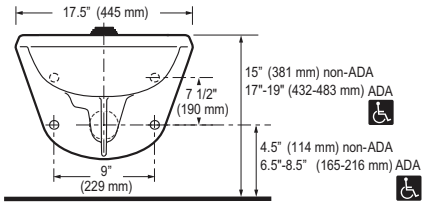
1. A continuous, invisible light beam is emitted from the Sloan SOLIS® Flush Sensor.

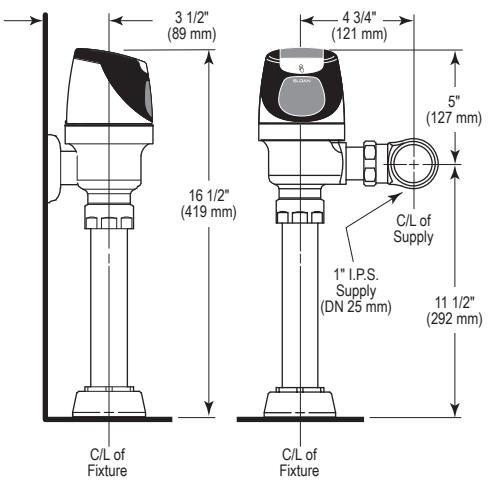


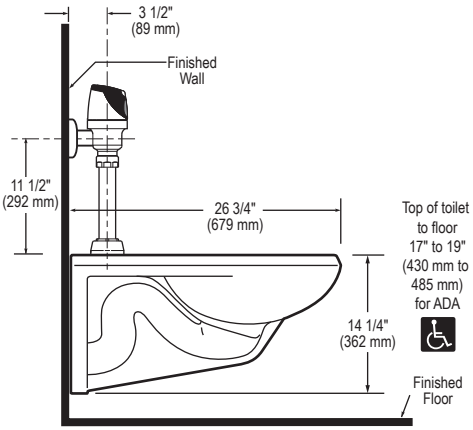
2. As the user enters the beam's effective range, 22" to 42" (559 mm to 1067 mm), the beam is reflected into the Scanner Window to activate the Output Circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the sensor. If the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves.

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

DIMENSIONS/ROUGH-IN







SLOAN®
Sloan Valve Company
10500 Seymour Avenue
Franklin Park, IL 60131
Phone: 1-800-9-VALVE-9 (982-5839)
or 1-847-671-4300
Fax: 1-800-447-8329 or 1-847-671-4380
www.sloanvalve.com

Printed in the U.S.A. Rev. 0a (09/09)