

## CODE NUMBER

24511201

## DESCRIPTION

ST-2459 Water Closet and SOLIS 8111 Flushometer.

## COMPONENTS

- Flushometer: Code 3370085
- Water Closet: Code 2102459

## DETAILS

- Flush Volume: 1.1 gpf (4.2 Lpf)
- Nominal Dimensions: 26 ¾" x 15" x 13 ¼" (679 x 381 x 337mm)

## FLUSHOMETER FEATURES

- Handle Packing, Main Seat, Stop Seat and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine resistance
- User friendly three (3) second Flush Delay
- "Low Battery" Flashing LED
- Sweat solder adapter with cover tube and cast wall flange with set screw
- State-of-the-art photovoltaic technology delivers solar operation
- Solar Powered. The sensor assembly is powered by a solar cell that will harvest power from the artificial indoor light (incandescent, fluorescent or LED), and use it as the energy source. The solar cell can provide approximately 100% power with 650 illuminance (lux).
- Four (4) Size AA Battery Back-up Power Source
- Operates by means of an infrared sensor with multiple-focused, lobular sensing fields for high and low target detection
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- Engineered Metal Cover with replaceable Lens Window
- PERMEX® Synthetic Rubber Diaphragm with Dual-Filtered Fixed Bypass
- Courtesy Flush® Override Button
- Override button enables manual flushing if sensor's power source fails
- High copper, low zinc brass castings for dezincification resistance
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037
- WaterSense compliant when used with a 1.1 gpf WaterSense compliant fixture
- 1.1 gpf (4.2 Lpf) flushometers are only recommended for new construction installations or those where sufficient drain line carry can be assured.

## FIXTURE FEATURES

- White Vitreous China
- Elongated bowl
- Wall mounted, wall outlet
- Siphon jet flushing action achieves 1000g Map score when used



## COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, Carbon Neutral, EPD, Green Globes Materials & Resources Credit, Green Globes Water Credit, HPD, LEED Materials & Resources EPD Credit, LEED Materials & Resources HPD Credit, LEED V4 Water Efficiency Credit, Satisfies LEED Credits, WaterSense Listed, WELL Building Standard)

## DOWNLOADS

- [SS/ST/SU/WETS/WEUS Fixtures Repair and Maintenance Guide](#)
- [Additional Downloads](#)

## NOTES

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

Static load tested according to the procedure outlined in Section 6.7 of ASME A112.19.2. Not recommended for bariatric use.

## WARRANTY

[View Warranty Information](#)

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- Static load rating of 750 lbs (see Notes)
- Water spot area: 10 $\frac{1}{8}$ " x 9 $\frac{3}{8}$ " (26 cm x 24 cm)
- 1 $\frac{1}{2}$ " I.P.S. top spud inlet
- 2 $\frac{1}{8}$ " fully glazed trapway
- Toilet seat not included
- Static load rating of 750 lbs. (See Notes)

Technical drawings of the AquaSense® 2.0 flushometer valve and toilet. The top left shows two side views of the flushometer valve with dimensions: 2 3/4" (70 mm) for the top width, 16 1/2" (419 mm) for the height to the center of the fixture, 4 3/4" (121 mm) for the top width of the valve body, 5" (127 mm) for the height to the center of the supply, 11 1/2" (292 mm) for the height to the center of the supply, and 1" I.P.S. Supply (DN 25 mm) for the supply line. The top right shows a top view of the toilet with dimensions: 1-1/2" (38 mm) Spud, 5.5" (140 mm) for the distance from the spud to the center of the bowl, 26-3/4" (680 mm) for the overall width, 2-3/4" (70 mm) for the distance from the bowl to the center of the bowl, 13 1/4" (336 mm) for the height to the center of the bowl, 1.65" (42 mm) for the distance from the bowl to the center of the bowl, 15" (381 mm) for the width of the bowl, 16" (406 mm) for the height to the center of the bowl, 7 1/2" (190 mm) for the height to the center of the bowl, 9" (229 mm) for the width of the bowl, 3-3/8" (86 mm) for the height to the center of the bowl, 5 1/8" (130 mm) for the height to the center of the bowl, and 6 1/8" - 8 1/8" (155-206 mm) for the height to the center of the bowl. The bottom left shows a side view of the toilet with dimensions: 2 1/4" (57 mm) for the top width, 10" (254 mm) for the height to the center of the fixture, 15" (381 mm) for the height to the center of the bowl, 36" (914 mm) for the height to the center of the bowl, 17" (432 mm) for the height to the center of the bowl, and 1 1/2" (38 mm) for the height to the center of the bowl. The bottom right shows a top view of the toilet with dimensions: 15" (381 mm) for the width of the bowl, 16" (406 mm) for the height to the center of the bowl, 7 1/2" (190 mm) for the height to the center of the bowl, 9" (229 mm) for the width of the bowl, 3-3/8" (86 mm) for the height to the center of the bowl, 5 1/8" (130 mm) for the height to the center of the bowl, and 6 1/8" - 8 1/8" (155-206 mm) for the height to the center of the bowl.

**ALTERNATE ADA INSTALLATION**  
 Lower water supply rough-in to 10" (254 mm) and mount grab bar at the 36" (914 mm) maximum allowed height (top of grab bar at 36").

Technical drawings of the toilet showing alternate ADA installation dimensions: 2 1/4" (57 mm) for the top width, 10" (254 mm) for the height to the center of the fixture, 15" (381 mm) for the height to the center of the bowl, 36" (914 mm) for the height to the center of the bowl, 17" (432 mm) for the height to the center of the bowl, and 1 1/2" (38 mm) for the height to the center of the bowl.

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