



SOLIS® Sensor Flushometer

SOLIS 8111 SMT-SMT-2.4-CP

Product description

2.4 gpf, SC Argus® Pro Compatible, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, 1.5" Flush Connection, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, Infrared, 10.5" Vacuum Breaker, SOLIS® Exposed Sensor Water Closet Flushometer.

Compliances & Certifications



(ADA Compliant*, BAA Compliant, FCC Compliant, IAPMO, cUPC Certified, EPA WaterSense Listed)

Code 33700021

Finish

 Polished Chrome (CP)

Connectivity

IoT - SC Argus® Pro Compatible

Downloads

-  [Solis 8100 Series Installation Instructions.pdf](#)
-  [Control Stop Repair and Maintenance Guide.pdf](#)
-  [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
-  [Additional Downloads](#)

Videos

-  [PVD Special Finishes](#)

Details

- Flush Volume: 2.4 gpf (9.1 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 1.5" (38mm)
- Supply Pipe: 1" (25mm)
- Program: SC Argus® Pro Compatible
- Override: Electrical
- Vacuum Breaker: 10.5"
- Flush Connection: 1.5" (38mm)

Features

- Quiet, Exposed, Sloan Solis® Single Flush, Solar Powered, Sensor Activated Closet Smart Flushometer
- User friendly three (3) second Flush Delay
- Sweat solder adapter with cover tube and cast wall flange with set screw
- 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 with "Low Battery" Flashing LED
- 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
- Engineered Metal Cover with replaceable Lens Window
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Flushometer operates normally when not connected to the SC Argus® system
- IOT Smart Capabilities - Compatible with Sloan's SC Argus® Pro smart restroom system for wireless remote management and monitoring

Recommended specifications

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 and ANSI/ASME 112.19.2.

Electrical specifications

- Arming Delay: 16 seconds
- Flush Delay: 3 seconds

Valve Operating Pressure (Flowing)

15-80 psi (103 - 552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

Battery Specifications

Usage	4-AA Battery Service Life†			
	24 yrs	18 yrs	9 yrs	7.2 yrs
per month	500	1,000	3,000	4,000
per day	25	50	150	200

† Service life varies according to actual usage and restroom conditions
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

Warranty

[View Warranty Information](#)

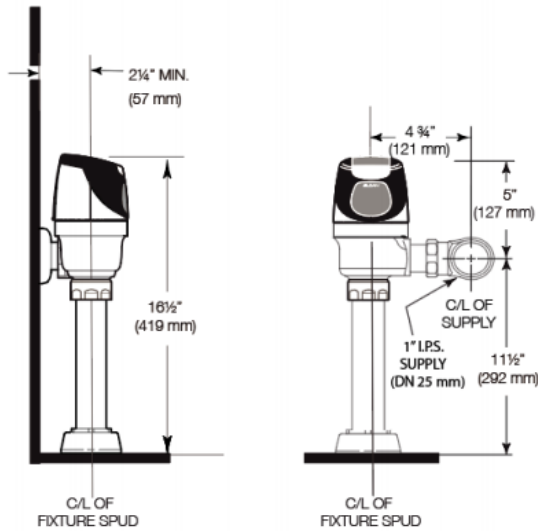
Notes

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

*Compliant with ADA accessibility requirements when installed according to ADA standards.

WaterSense compliant when used with a 2.4 gpf (9.1 lpf) WaterSense fixture.

Looking for other variations of the SOLIS 8111 SMT product?
[View the general spec sheet with all options.](#)
[Find a compatible urinal](#) for this flushometer.
[Find a compatible water closet](#) for this flushometer.



WHEN INSTALLING IN A HANDICAP STALL:

Per the ADA Guidelines (section 604.9.4)
It is recommended that the grab bars be
split or shifted to the wide side of the stall.
If grab bars must be present over the valve,
use the alternate ADA installation as shown
to the right.

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").

