INSTALLATION INSTRUCTIONS FOR RETROFIT AND COMPLETE VALVE INSTALLATION FOR SLOAN SOLIS®, SOLAR POWERED, SINGLE FLUSH AND DUAL FLUSH WATER CLOSETS AND URINALS



8100 Series Complete Flushometer Models 8100 Series Sloan SOLIS® valves are complete flushometers and ideal for new installations.



RESS Series Retrofit Conversion Kit Models RESS Sloan SOLIS[®] Models are used to convert existing Flushometers to Solar Powered, Sensor Activated.

Sloan SOLIS® Water Closet Models can be furnished for the following:

1.1 gpf / 4.2 Lpf 1.28 gpf/4.8 Lpf 1.6 gpf/6.0 Lpf 1.6 / 1.1 gpf (6.0 / 4.2 Lpf) High Efficiency Bowls High Efficiency Bowls For Low Consumption Bowls Dual Flush Models

Sloan SOLIS® Urinal Models can be furnished for the following:

0.125 gpf/0.5 Lpf 0.25 gpf/0.9 Lpf 0.5 gpf/1.9Lpf 1.0 gpf/3.8 Lpf 1.5 gpf/5.7 Lpf For High Efficiency Urinals For High Efficiency Urinals For High Efficiency Urinals For Low Consumption Urinals For Older Siphon Jet Urinals



SLOAN® LIMITED WARRANTY SUMMARY

Sloan Valve Company ("Sloan"), warrants its products against defects in materials and workmanship, excluding damage caused by matters beyond Sloan's reasonable control. Instructions for filing claims can be found in the Limited Warranty which can be obtained at www.sloan.com or by requesting a free copy by telephone at 888.756.2614. Sloan will repair or replace your defective product, or provide a refund, as your exclusive remedy. This is only a general summary of Sloan's Limited Warranty so it is important to note that the specific terms, conditions, limitations and exclusions, including the duration of warranty coverage for your particular Sloan product, are contained in the actual Sloan Limited Warranty. The Limited Warranty is subject to applicable laws in your country, state, province or other jurisdiction—and disputes arising under the Limited Warranty are to be resolved by binding arbitration unless you provide Sloan with an opt-out notice no later than 30 days after your purchase date. In case of a conflict with this summary, the terms and conditions set forth in the complete Limited Warranty will prevail.

PRIOR TO INSTALLING THE SLOAN SOLIS® FLUSHOMETER

Please take the time to read this manual to ensure proper product installation and longevity. Also, please visit our website to download our most recent documentation for this product.

Prior to installing the Sloan SOLIS® flushometer, install the items listed below as illustrated in the rough-in diagram. (New installations only.)

- Closet or Urinal fixture
- Drain line
- · Water supply line

IMPORTANT:

- INSTALL ALL PLUMBING IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS.
- WATER SUPPLY LINES MUST BE SIZED TO PROVIDE AN ADEQUATE VOLUME OF WATER FOR EACH FIXTURE.

TOOLS REQUIRED FOR INSTALLATION

- Slotted screwdriver to adjust control stop.
- Sloan A-50 Super-Wrench[™], Sloan A-109 Plier Wrench or smooth jawed spud wrench for couplings.

- WHEN INSTALLING A FLUSHOMETER, IT IS IMPORTANT THAT THE FLUSH MODEL MATCHES THE REQUIREMENTS OF THE PLUMBING FIXTURE.
- FLUSH ALL WATER LINES PRIOR TO MAKING CONNECTIONS.

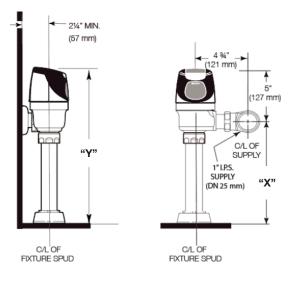
The Sloan SOLIS[®] is designed to operate with 15 to 80 PSI (104 to 551 kPa) of water pressure. **THE MINIMUM PRESSURE REQUIRED TO THE VALVE IS DETERMINED BY THE TYPE OF FIXTURE SELECTED.** Consult fixture manufacturer for pressure requirements. Most water closets (1.6 gallon/6 liter or lower) require a minimum flowing pressure of 25 psi (172 kPa); some manufacturers require a higher minimum flowing pressure.

- Strap wrench (supplied) to install Sloan SOLIS® to valve body.
- 7/64" hex wrench (supplied) to secure Sloan SOLIS® cover to base plate.
- 5/64" hex wrench to secure water Supply Flange.

VALVE ROUGH-IN

WATER CLOSET INSTALLATION

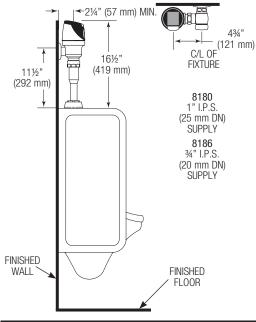
Models 8111, 8113, 8115, 8116 Reference for RESS-C Retrofit



TYPICAL URINAL INSTALLATION

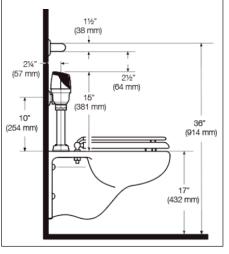
Models 8180 & 8186

Reference for RESS-U Retrofit



FOR ADA GRAB BAR APPLICATIONS

For ADA grab Bar at 36", use 10" rough-in height or use H-1018-A Offset Adapter. See the *Alternative Water Closet Installation* section below for additional information.



Model	"X"	"Y"
8111†	11½" (292 mm)	16½" (419 mm)
8113	16" (406 mm)	21" (533 mm)
8115‡	24" (610 mm)	29" (737 mm)
8116‡	27" (686 mm)	32" (813 mm)

⁺ For new installations, Sloan strongly recommends the use of our Model 8111 which has a shorter installation height.

* Model 8115 & 8116 valves are designed for installations where the water supply is roughedin 24" - 27" (610 mm - 686 mm) above the top of the water closet.

_ !!! IMPORTANT !!!

PROTECT THE CHROME OR SPECIAL FINISH OF FLUSHOMETERS – DO NOT USE TOOTHED TOOLS TO INSTALL OR SERVICE THESE VALVES. USE A SLOAN A-50 SUPER-WRENCH™, SLOAN A-109 PLIER WRENCH OR SMOOTH JAWED SPUD WRENCH TO SECURE ALL COUPLINGS. ALSO SEE "CARE AND CLEANING" SECTION.

NOTE

Maximum adjustment of the Sloan Adjustable Tailpiece is ½" (13 mm) IN or OUT from the standard 4%" (121 mm) (*centerline of Flushometer to centerline of Control Stop*).

If roughing-in measurement exceeds 51/4" (133 mm), consult factory for longer tailpiece.

!!! IMPORTANT !!!

LAWS AND REGULATIONS PROHIBIT THE USE OF HIGHER FLUSHING VOLUMES THAN LISTED ON FIXTURE OR FLUSHOMETER.

THE STRAP WRENCH PROVIDED WITH THE SOLIS® IS A CONVENIENCE TOOL AND IS NOT TO BE USED TO REMOVE OR INSTALL THE FLUSHOMETER COUPLINGS. USE STRAP WRENCH ONLY TO INSTALL THE SOLIS® LOCKING RING.

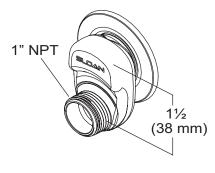
WITH THE EXCEPTION OF THE CONTROL STOP INLET, DO NOT USE PIPE SEALANT OR PLUMBING GREASE ON ANY VALVE COMPONENT OR COUPLING!

THIS PRODUCT CONTAINS MECHANICAL AND/OR ELECTRICAL COMPONENTS THAT ARE SUBJECT TO NORMAL WEAR. THESE COMPONENTS SHOULD BE CHECKED ON A REGULAR BASIS AND REPLACED AS NEEDED TO MAINTAIN THE VALVE'S PERFORMANCE.

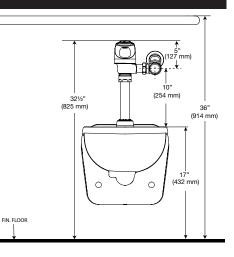
NEVER OPEN CONTROL STOP TO WHERE THE FLOW FROM THE VALVE EXCEEDS THE FLOW CAPABILITY OF THE FIXTURE. IN THE EVENT OF A VALVE FAILURE, THE FIXTURE MUST BE ABLE TO ACCOMMODATE A CONTINUOUS FLOW FROM THE VALVE.

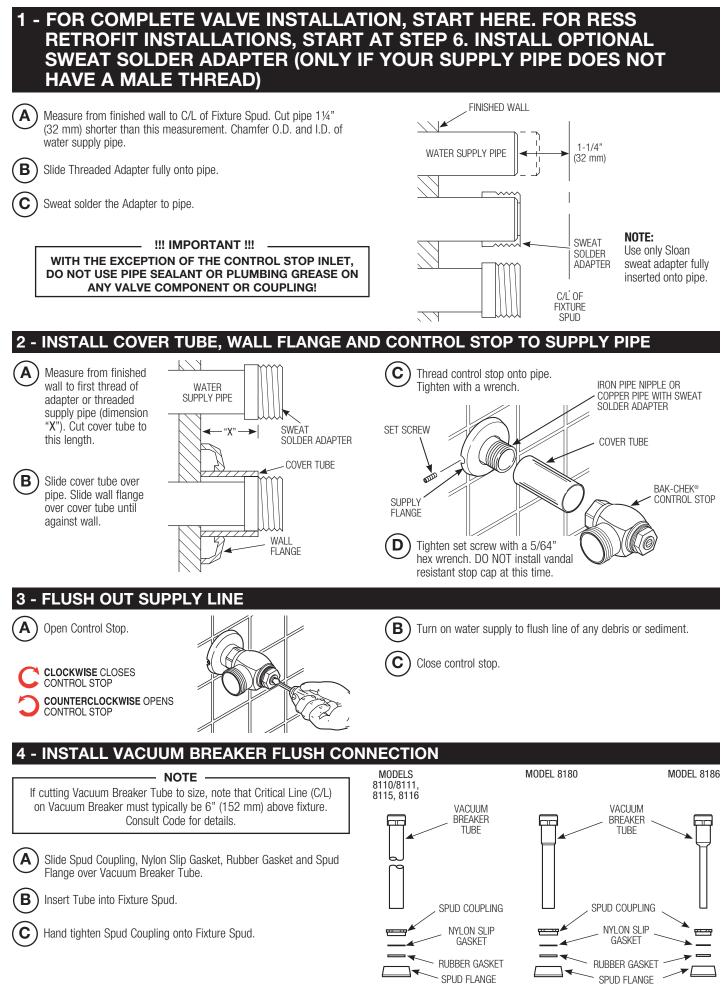
If you have questions about how to install your Sloan flushometer, consult your local Sloan Representative, or contact Sloan Technical Support at 1.888.SLOAN.14 (1.888.756.2614).

ALTERNATIVE WATER CLOSET INSTALLATION WITH GRAB BAR



When installing the Sloan SOLIS® Electronic Flushometer in an ADA compliant stall: Per ADA Guidelines (section 604.9.4) it is recommended that the grab bars be split or shifted to the wide side of the stall. For alternative installations, lower water supply rough-in to 10" (254 mm), or use the H-1018-A 1-1/2" offset adapter (not supplied) to lower the overall height. The Sloan H-1018-A 1" NPT x 1-1/2" offset adapter kit (sold separately) is designed to lower a SOLIS® Flushometer 1-1/2" when the space above the top of the Flushometer conflicts with grab bar clearance. Mount the grab bar at the 36" (914 mm) maximum allowed height (top of grab bar at 36").





5 - INSTALL FLUSHOMETER USE PIPE THREAD

Lubricate tailpiece o-ring with water. Insert adjustable tailpiece into control stop. Tighten tailpiece coupling by hand.

Align flushometer directly above the vacuum breaker flush connection by sliding the flushometer body IN or OUT as needed. Tighten vacuum breaker coupling by hand.

Align flushometer body and securely tighten first the tailpiece coupling (1), then the vacuum breaker coupling (2), and finally the spud coupling (3). Use a wrench to tighten these couplings in the order shown.

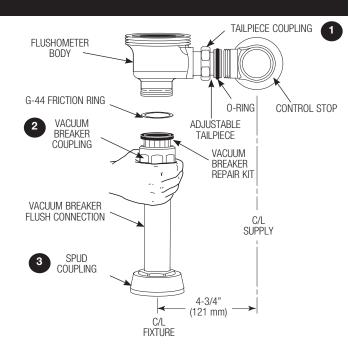
8

ATTENTION

NOTE

Maximum adjustment of the Sloan Adjustable Tailpiece is 1/2" (13 mm) IN or OUT from the standard 43/4" (121 mm) (centerline of Flushometer to centerline of Control Stop).

If roughing-in measurement exceeds 51/4" (133 mm), consult factory for longer tailpiece.



6 - WHEN RETROFITTING AN EXISTING VALVE, START HERE. REMOVE COMPONENTS FROM EXISTING FLUSHOMETER (RESS RETROFIT INSTALLATIONS ONLY)

Remove control stop cap.

Turn off water supply at control stop. Push valve handle to relieve water pressure.

С Remove outside and inside covers and old inside parts kit.



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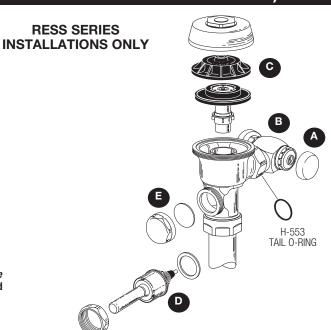
В

С

Remove old handle assembly and gasket.

Install chrome handle cap with gasket to handle opening on flushometer body. Tighten chrome handle cap securely.

NOTE: An extra H-553 tail o-ring is included (in the bag with the handle cap and gasket) in the event leakage occurs if the valve is repositioned during the installation of the new SOLIS®. Use only as needed.



7 - SLOAN SOLIS® FLUSH VOLUME (RESS RETROFIT INSTALLATIONS ONLY)

The flush volume of the Sloan SOLIS® is controlled by the Regulator in the flex tube diaphragm Kit. Regulators are identified by color.

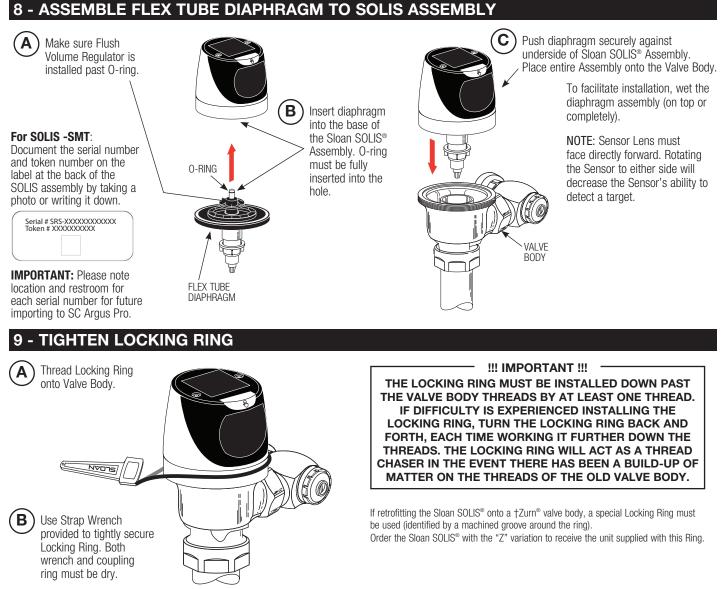
When installing a new Regulator on a Flex Tube Diaphragm, be sure to push the Regulator past the O-ring when installing.

NOTE: Never use more water than needed. Low Consumption water closets and urinals will not function properly on excess water.

> **RESS SERIES** INSTALLATIONS ONLY



REGULATOR (MUST BE INSTALLED PAST O-RING)



10 - REMOVE TAPE FROM SOLAR PANEL AND SENSOR WINDOW TO ACTIVATE

D

Remove the tape located over solar panel.

С

A



Stand clear from the sensor for (1) minute to allow the unit to start-up and calibrate to the installed environment.

> For the first ten (10) minutes of operation, a visible light flashes in the sensing window of the SOLIS® flushometer when a user is detected.

!!! IMPORTANT !!!

The start-up routine will be 1 minute long and allows the sensors to adapt to the surrounding environment. It is VERY IMPORTANT that no non-permanent targets (i.e. persons, buckets, covers, etc) are present at this time. The start-up routine consists of a long (3 seconds) BLUE light ON, followed by slow BLUE light blinking in for 1 minute. At the end of the routine the sensor will show ONE long (2 seconds) BLUE light ON for lithium battery or TWO long (2 seconds each) BLUE light ON pulses for alkaline to complete the routine. Only at this time can the non-permanent objects be present.

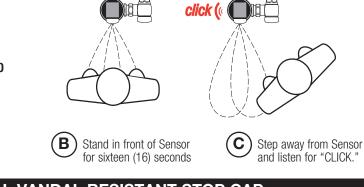
> † The brands and/or products names referenced herein may be subject to trademark rights of their respective owners Use of the brands and names is for identification purposes only and does not imply affiliation with or endorsement by Sloan.

11 - TEST SENSOR OPERATION

The Sloan SOLIS® has a factory set sensing range: Water Closet Models - 22" to 42" (559 mm to 1067 mm) Urinal Models - 15" to 30" (381 mm to 762 mm)

THE FACTORY SETTING SHOULD BE SATISFACTORY FOR MOST **INSTALLATIONS. IF A RANGE ADJUSTMENT IS REQUIRED, REFER TO** THE RANGE ADJUSTMENT INSTRUCTIONS.

Α Test Sensor with Cover in place.

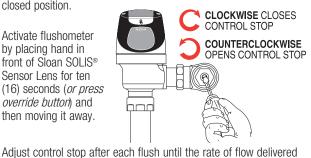


12 - ADJUST CONTROL STOP AND INSTALL VANDAL RESISTANT STOP CAP

Α Open control Stop COUNTERCLOCKWISE at least 1/2 turn from closed position.

В Activate flushometer by placing hand in front of Sloan SOLIS® Sensor Lens for ten (16) seconds (or press override button) and then moving it away.

properly cleanses the fixture.



!!! IMPORTANT !!! SLOAN FLUSHOMETERS ARE ENGINEERED FOR QUIET **OPERATION. EXCESSIVE WATER FLOW CREATES NOISE,** WHILE TOO LITTLE WATER FLOW MAY NOT SATISFY THE NEEDS OF THE FIXTURE. PROPER ADJUSTMENT IS MADE WHEN PLUMBING FIXTURE IS CLEANSED AFTER EACH FLUSH WITHOUT SPLASHING WATER OUT FROM THE LIP AND A QUIET FLUSHING CYCLE IS ACHIEVED.

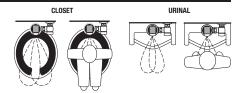
!!! IMPORTANT !!! THE CONTROL STOP SHOULD NEVER BE OPENED TO THE POINT WHERE THE FLOW FROM THE VALVE EXCEEDS THE FLOW CAPABILITY OF THE FIXTURE. IN THE EVENT OF A VALVE FAILURE, THE FIXTURE MUST BE ABLE TO ACCOMMODATE A CONTINUOUS FLOW FROM THE VALVE.

D Install control stop cap onto control stop. For RESS retrofit applications, reuse stop cap from existing valve. In complete valve installations, a new stop cap is provided. Follow the instructions packaged with the free spinning vandal resistant stop cap.

OPERATION

С

- 1. A continuous, INVISIBLE light beam is emitted from the Sloan SOLIS® sensor.
- 2. As the user enters the beam's effective range, 22 to 42 inches (559 mm to 1067 mm) for closet installations and 15 to 30 inches (381 mm to 762 mm) for urinal installations, 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. For Dual Flush models, if the user stays longer than 65 seconds, a full flush will automatically initiate when the user leaves. For Single Flush models, once the user steps away, a full flush will automatically initiate.



- 3. For Dual Flush models, once a user is detected, if the user leaves in 65 seconds or less, a reduced flush will automatically initiate. The circuit automatically resets and is ready for the next user. For Single Flush models, when the user steps away, this initiates a full flush. The circuit automatically resets and is ready for the next user.
- 4. In addition to the above the Sloan SOLIS® urinal incorporates a standard deferred flushing mode feature that accommodates the high volume usage seen in stadiums or similar high attendance facilities.

COVER

ASSEMBLY

SENSOR

MODULE

PLATE

BATTERY REPLACEMENT

When required, replace batteries with four (4) new AA-Size batteries.

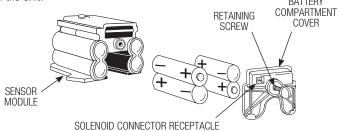
NOTE: Water does not have to be turned off to replace batteries.

Loosen the two (2) Screws on top of unit. Remove the complete cover assembly. Lift the sensor module from its plate. Unplug the solenoid connector from battery compartment cover. Loosen the retaining screw on battery compartment cover. Remove battery compartment cover and old batteries.

- !!! IMPORTANT !!!

NEVER INSTALL MIXED BATTERY TYPES: (CARBON-ALKALINE-LITHIUM) PRIMARY AND SECONDARY CELLS (NON-RECHARGEABLE VS RECHARGEABLE). REPLACE ALL 4 BATTERIES AT THE SAME TIME WITH FRESH BATTERIES. FAILURE ON THE ABOVE CAN REDUCE BATTERY LIFE, CAUSE BATTERY LEAKAGE, AND RESULT IN PRODUCT DAMAGE.

Install four (4) new AA-Size batteries exactly as illustrated. Install battery compartment cover and secure with retaining screw. Make certain that battery compartment cover is fully compressed against gasket to provide a seal; DO NOT overtighten. Plug the solenoid connector into the battery compartment cover. Reinstall the sensor module onto the Plate. Reinstall the complete cover assembly onto the plate. Tighten the two (2) screws on top of the unit. BATTERY



RANGE ADJUSTMENT (ADJUST ONLY IF NECESSARY)

The Sloan SOLIS[®] has a factory set sensing range: Water Closet Models - 22" to 42" (559 mm to 1067 mm)

Urinal Models - 15" to 30" (381 mm to 762 mm)

The factory setting should be satisfactory for most installations. NOTE: Water DOES NOT have to be turned off to adjust range.

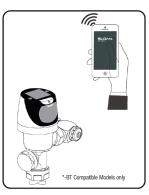
RANGE ADJUSTMENT PROCEDURE

For the first ten (10) minutes of operation, a visible light flashes in the sensing Window of the Sloan SOLIS[®] flushometer when a user is detected. This visible light feature can be reactivated after ten (10) minutes by opening and closing the battery compartment door. Check the range by stepping toward the unit until the light flashes, indicating the sensor's maximum detection limit.

Always Determine the Sensing Range with Metal Cover and Lens Window On Top of the Unit.

To recalibrate the sensor, touch and hold the override button for 30 seconds, once the Blue LED blinks every second, and release. Stand at desired distance, LED should blink once every 2 seconds for 30 seconds). The setting mode will run for one (1) minute.

NOTE: For -BT models only, to automatically check battery strength, troubleshoot, diagnose and report flushometer issues with a wireless device, use the Sloan Connect APP. The APP is available free-ofcharge at the Apple iPhone APP store for iOS devices or the Google Play APP store for Android devices. For more information about the APP and its capabilities please visit <u>www.sloan.com</u>.



CARE AND CLEANING

DO NOT USE abrasive or chemical cleaners to clean flushometers as they may dull the luster and attack the chrome or special decorative finishes. Use ONLY mild soap and water, then wipe dry with clean cloth or towel. DO NOT spray cleaner directly onto the flushometer; instead, spray into a clean cloth and then wipe down the flushometer. While cleaning the bathroom tile, the flushometer should be protected from any splattering of cleaner. Acids and cleaning fluids can discolor or remove chrome plating.

TROUBLESHOOTING GUIDE

-SMT models require SC Argus Portal equipment and subscription. Please contact your SC Argus Pro Sales Representative or Sloan Technical Support. For Troubleshooting and Replacement of SOLIS -SMT units, please consult the SOLIS Repair Parts & Maintenance Guide.

- 1. Sensor Flashes Continuously Only When User Steps Within Range.
 - A. Unit in Start-Up mode; no problem. This feature is active for the first ten (10) minutes of operation.
- **2. Valve Does Not Flush; Sensor Not Picking Up User.** A. Range too short; increase the range.
- 3. Valve Does Not Flush; Sensor Picking Up Opposite Wall or Surface, or Only Flushes When Someone Walks By. Light Flashes Continuously for First 10 Minutes Even with No One in Front of the Sensor. A. Range too long; shorten range.
- 4. Valve Does Not Flush Even After Adjustment.
 - A. Range Adjustment Potentiometer set at full "max" or full "min" setting. Readjust Potentiometer away from full "max" or "min" setting.
 - B. Batteries completely used up; replace batteries.
 - C. Problem with Electronic Sensor Module; replace Electronic Sensor Module. Try swapping module with working unit to test module function.
 - D. Are there audible clicks from the solenoid?

 $\ensuremath{\text{NO}}$: check for solenoid plugged into module; possibly solenoid stuck in closed position, replace solenoid.

YES: check solenoid for over-tightening, check to make sure locking ring was secured properly.

E. Module is working, and solenoid clicking, loosen and re-tighten locking ring; check diaphragm for perforations in diaphragm disc; replace.

5. Unit Flashes 4 Quick Times When User Steps Within Range.

A. Batteries low; replace batteries.

!!! IMPORTANT !!!

WHEN SERVICING SOLENOID, ROTATING LOCKING RING, SERVICING DIAPHRAGM, SERVICING VACUUM BREAKER OR SPUD, TURN OFF WATER SUPPLY AT STOP.

!!! IMPORTANT !!!

LAWS AND REGULATIONS PROHIBIT THE USE OF HIGHER FLUSHING VOLUMES THAN LISTED ON FIXTURE OR FLUSHOMETER.

!!! IMPORTANT !!!

MORE FREQUENT ROUTINE MAINTENANCE MAY BE REQUIRED OF THE FLUSHOMETER DUE TO THE CHEMICAL PROPERTIES OF RECLAIMED WATER.

6. Valve Does Not Shut Off.

A. Bypass Orifice in Diaphragm is clogged with dirt or debris, or Bypass is clogged by an invisible gelatinous film due to "over-treated" water. Remove flex tube diaphragm and wash under running water or replace.

NOTE: SIZE OF ORIFICE IN THE BYPASS IS OF UTMOST IMPORTANCE FOR THE PROPER METERING OF WATER BY THE VALVE. DO NOT ENLARGE OR DAMAGE THIS ORIFICE. REPLACE FLEX TUBE DIAPHRAGM IF CLEANING DOES NOT CORRECT THE PROBLEM.

- B. Dirt or debris fouling stem or flex tube diaphragm. Remove flex tube diaphragm and wash under running water or replace.
- C. O-ring on stem of flex tube diaphragm is damaged or worn. Replace O-ring if necessary EBV-83 O-Ring 1/8 X 1/4 X 1/16 (5325056).
- D. Problem with electronic sensor module; replace sensor module. Try swapping module with working unit to test module function
 E. Are there audible clicks from the solenoid?

NO, possibly solenoid stuck open position, replace solenoid.
YES, check solenoid properly screwed into inside cover, check to make sure locking ring was secured properly.

F. If module is working, and solenoid clicking, check diaphragm for perforations in diaphragm disc; replace.

7. Not Enough Water to Fixture.

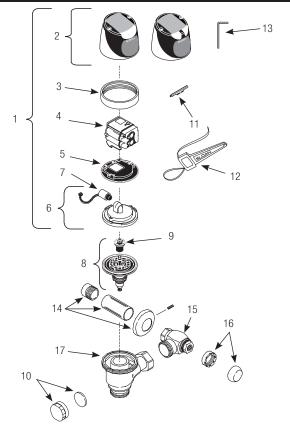
- A. Wrong flush volume regulator installed in flex tube diaphragm kit. Install the correct Regulator.
- B. Wrong SOLIS[®] model installed; i.e., 1.0 gpf urinal installed on 3.5 gpf closet fixture. Replace with proper Sloan SOLIS[®] model.
- C. Enlarged by-pass in diaphragm. Replace flex tube diaphragm.
- D. Control Stop not adjusted properly. Readjust control stop.
- E. Inadequate volume or pressure at supply. Increase water pressure or supply (flow) to valve. Consult factory for assistance.

8. Too Much Water to Fixture.

- A. Wrong flush volume regulator installed in flex tube diaphragm Kit. Install the correct regulator.
- B. Control Stop not adjusted properly. Readjust Control Stop.
- C. Wrong Sloan SOLIS[®] model installed; i.e., 3.5 gpf Model installed on 1.0 or 1.5 gal. Urinal fixture. Replace with proper Sloan SOLIS[®] model.
- D. Dirt in Diaphragm Bypass. Clean under running water or replace Flex Tube Diaphragm.

NOTE: Troubleshooting also applies to the Sloan SOLIS Urinals.

PARTS LIST



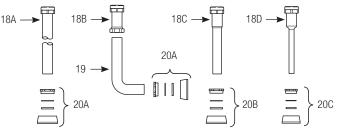
ITEM # PART # DESCRIPTION

Items	Included with F	RESS Retrofit and Complete Sloan SOLIS® Valves
1	EBV-304-A*	Cover/Sensor/Assembly - Closet SOLIS Electronic Single
	EBV-320-A	Cover/Sensor/Assembly (†Zurn®) - Closet SOLIS Single
	EBV-306-A*	Cover/Sensor/Assembly - Urinal SOLIS Single
	EBV-321-A	Cover/Sensor/Assembly (†Zurn®) - Urinal SOLIS Single
	EBV-379-A*	Cover/Sensor/Assembly - Closet SOLIS 1.1 gpf Single
	WES-24-A*	Cover/Sensor/Assembly - Closet SOLIS Dual
	EBV-328-A*	Cover/Sensor/Assembly - Urinal 0.25 gpf SOLIS Single
	EBV-385-A*	Cover/Sensor/Assembly - Urinal 0.125 gpf SOLIS Single
2	EBV-309-A	Cover Assembly - SOLIS Electronic Single Button Flush
	EBV-311-A	Cover Assembly - SOLIS Electronic Dual Flush
3	EBV-14	Locking Ring
	EBV-30	Locking Ring - for +Zurn [®] valves
4	EBV-312-A-C	Sensor Assembly SOLIS - Water Closet
	EBV-312-A-U	Sensor Assembly SOLIS - Urinal
	EBV-388-A	Module - SOLIS - 0.125 gpf Urinal
	EBV-382-A	Module - SOLIS - 1.1 gpf Single Button Flush
	WES-33-A	Module - SOLIS - Water Closet (Dual Flush)
5	EBV-134	Cover Rest Plate
6	EBV-145-A	Inside Cover Assembly (includes solenoid)
7	EBV-136-A	Solenoid
8	††	Flex Tube Diaphragm Assembly
9	††	Flush Volume Regulator
10	EBV-1017-A	Handle Cap
11	EBV-91	Range Adjustment Tool
12	EBV-22	Strap Wrench
13	EBV-137	7/64" Hex Wrench

† † Flow volume varies with valve model and desired flush volume. Consult the Repair Parts & Maintenance Guide for replacement part numbers.

* -BT Sloan Connected Product Models available.

For -SMT (*SC Argus models*) consult local Rep or contact Sloan Technical Support. For Troubleshooting and Replacement of SOLIS -SMT units, please consult the SOLIS Repair Parts & Maintenance Guide.





FLEX TUBE DIAPHRAGM ASSEMBLY (#8)

Sloan SOLIS® valve models feature Sloan's exclusive flex tube diaphragm for the ultimate in valve performance, reliability and chloramines resistance.

FCC INFORMATION TO USERS

This equipment has been tested and found to comply with the limits for a class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- · Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

ITEM # PART # DESCRIPTION

Items Included with Complete Sloan SOLIS® Valves Only			
14	H-633-AA	1" (25 mm) Sweat Solder Kit	
	H-636-AA	¾" (19 mm) Sweat Solder Kit	
15	H-700-A	1" (25 mm) Bak-Chek [®] Control Stop	
	H-700-A	34" (19 mm) Bak-Chek [®] Control Stop	
16	H-1010-A	Vandal Resistant Stop Cap	
17	EBV-36-A	Valve Body	
17A	H-1015-A	Flow Control (Not Shown) (Urinal 0.5, 0.25, 0.125 gpf)	
18A	V-600-AA	1½" (38 mm) x 10½" (229 mm) Vacuum Breaker	
		(Model 8110/8111)	
	V-600-AA	1½" (38 mm) x 15" (381 mm) Vacuum Breaker	
		(Model 8113)	
	V-600-AA	1½" (38 mm) x 23" (584 mm) Vacuum Breaker	
		(Model 8115)	
	V-600-AA	1½" (38 mm) x 26" (660 mm) Vacuum Breaker	
		(Model 8116)	
18B	V-600-A	3" (76 mm) Vacuum Breaker Assembly	
18C	V-600-AA	1¼" (32 mm) x 10½" (229 mm) Vacuum Breaker	
		(Model 8180)	
18D	V-600-AA	34" (19 mm) x 101/2" (229 mm) Vacuum Breaker	
		(Model 8186)	
19	F-109	11/2" (38 mm) Elbow Flush Connection	
20A	F-5-AT	11/2" Spud Coupling Assembly (Water Closet Models)	
20B	F-5-AU	11/4" Spud Coupling Assembly (Model 8180)	
20C	F-5-AW	34" Spud Coupling Assembly (Model 8186)	

⁺ The brands and/or products names referenced herein may be subject to trademark rights of their respective owners. Use of the brands and names is for identification purposes only and does not imply affiliation with or endorsement by Sloan.

Manufactured in the U.S.A. by Sloan Valve Company under one or more of the following patents: U.S. Patents: D598,975; D599,436; 7,124,997. Other Patents Pending. BAK-CHEK®, PARA-FLO®, PERMEX®, TURBO-FLO®.

The information contained in this document is subject to change without notice.

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