

## **SPEAKMAN COMPANY**

### **S-8822 Installation, Maintenance & Operation Instructions** **SENSORFLO® AC/ELECTRIC POWERED LOW SPOUT LAVATORY FAUCET**

#### **DESCRIPTION**

Speakman SENSORFLO faucet. AC/Electric powered low spout lavatory sensor faucet with 8" deck plate and above counter mixing valve with built-in backflow check valves. All metal spout assembly, consists of polished chrome plated removable cover and black powder coated chassis. Sensor/electronics module housed above counter in the faucet body. Sensor module powered by 120 Volt AC transformer. Solenoid with built-in filter. Vandal resistant 60 second time out feature. Water conserving vandal resistant recessed aerator reduces water flow to 2.2 GPM / 8.4 LPM to meet requirements of ANSI A112.18.1M for flow rates. ADA compliant. Note: 3/8" compression stainless steel supply hoses are optional.

#### **SPECIFICATIONS**

TRANSFORMER: 120 VOLT AC

INLET SUPPLY: 3/8" COMPRESSION WITH MALE THREADS

FLOW RATE: 2.2 GPM / 8.4 LPM

SHIPPING WEIGHT: 6.8 LBS

#### **OPTIONS**

ADA – ADA Handle for Mixing Valve

BO – Vandal Resistant 0.5 GPM Flow Control

HS – 2 Stainless Steel Flexible Hoses for use with Above  
Counter Mixing valve

LF – Vandal Resistant Laminar 2.2 GPM Flow Control

LT - Less Transformer (for use w/ multi-unit transformers)

TMV – Under-Counter Thermostatic Mixing Valve with check  
valves

VRS - Vandal Resistant Screws with Wrench

GB- Vandal Resistant 1.5 GPM Aerator Outlet Device

#### **INSTALLATION**

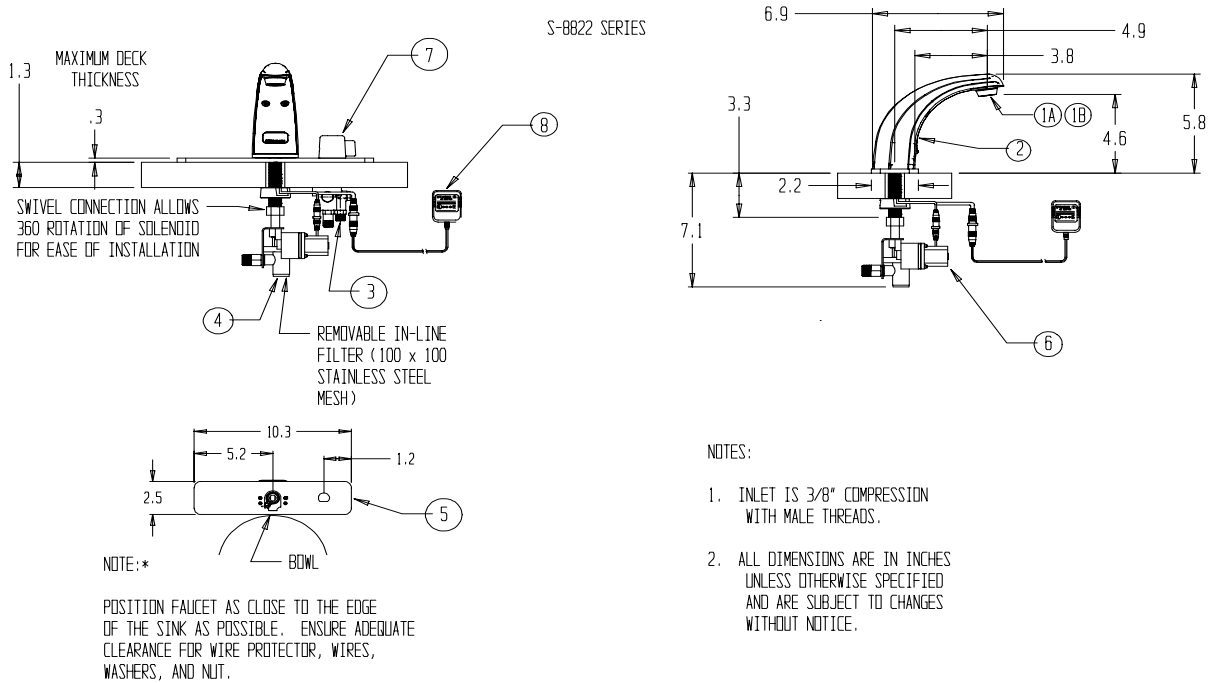
Install vandal resistant aerator with wrench provided. Ensure gasket is properly seated on bottom of faucet chassis. Insert faucet shank and wire through hole on the center of deck plate. With notch on deck plate center hole facing forward, fasten faucet to deck plate using four (4) screws provided. Tighten anti-spin mounting nut to bottom of deck plate's left side and slip rubber gasket onto bottom of deck plate. Carefully feed wires from faucet through deck hole, mounting faucet on fixture. Attach notched wire guard (notched end up) washer and lock nut onto faucet shank and secure faucet to fixture. CAUTION: Sensor module wire must be inside channel of rubber wire guard to keep wire from being pinched or cut when tightening washer and lock nut. Further secure faucet to fixture with the cup washer and wing nut (cup washer should face up). Attach supplies to mixing valve inlets and outlet using 3/8" compression fittings before mixing valve is attached to the deck plate. Assemble below deck mounting hardware on mixer shank and pass mixer up through hole. From above thread above counter mounting nut (black) onto mixer until flush with bottom of notched section. From below tighten mixer mounting hardware against bottom of sink deck. DO NOT OVERTIGHTEN. Attach outlet of solenoid valve to shank of faucet. Connect supply from mixer to solenoid and hot and cold inlet supplies from mixer to supply valves, all connections are 3/8" compression male. DRY CONNECTIONS ONLY. Plug AC transformer unit into 120 VAC outlet and connect wire with black plug on faucet to plug on the transformer. Connect yellow wire from faucet to same colored wire on solenoid valve. With drain installed, turn on water and activate the faucet, checking for proper operation and all connections for leaks. The above counter mixer has a temperature limit stop (TLS). The TLS is set to allow maximum hot and cold water flow. To change the range of hot and cold water, lift the retaining ring and TLS off the spindle and replace it in the desired position. DO NOT REMOVE THE BEARING SLEEVE. Attach the handle so that the wing aligns with blue and red indexes when turned. Assemble screw and index button.

#### **OPERATION**

Speakman SENSORFLO faucets are thoughtfully designed for all in mind. Require no handles to turn, lift or push, water flows only when hands are in the lavatory basin. Built in vandal resistant circuitry shuts off the water after continuous flow of approximately 60 seconds. This feature prevents flooding; water is easily turned on again by placing one's hands under the lavatory spout. Operate mixing valve by turning handle to the desired outlet water temperature.

**MAINTENANCE (CARE & CLEANING)**

Your SENSORFLO faucet is designed and engineered in accordance with the highest quality and performance standards. With proper care it will provide years of trouble free service. Periodically the faucet will require some minor maintenance to keep it performing at peak performance. Periodically check the solenoid filter for debris. If debris is present clean the filter toughly. The polished chrome finish of your faucet should be cleaned using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.



- NOTES:
1. INLET IS 3/8" COMPRESSION WITH MALE THREADS.
  2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED AND ARE SUBJECT TO CHANGES WITHOUT NOTICE.

ITEM NUMBER	REPAIR / REPLACEMENT PARTS PART OR GROUP NUMBER	DESCRIPTION
1A	RPG05-0674-PC	2.2 GPM AERATOR
1B	RPG38-0128-PC	0.5 GPM FLOW CONTROL
2	RPG10-0068-PC	COVER WITH SCREWS
3	RPG20-1844	ABOVE COUNTER MIXER WITH MOUNTING HARDWARE
4	RPG66-0044	SOLENOID FILTER SCREEN
5	RPG66-0109-PC	8" DECK PLATE FOR ACM WITH MOUNTING HARDWARE
6	RPG76-0033	SOLENOID VALVE ASSEMBLY
7	RPG66-0111	ABOVE COUNTER MIXER HANDLE
8	RPG66-0010	120 VAC TRANSFORMER
NOT SHOWN	RPG76-0039	SOLENOID DIAPHRAM & O-RING REPAIR KIT
NOT SHOWN	RPG66-0159	LAVATORY SENSOR MODULE WITH AC ADAPTER

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