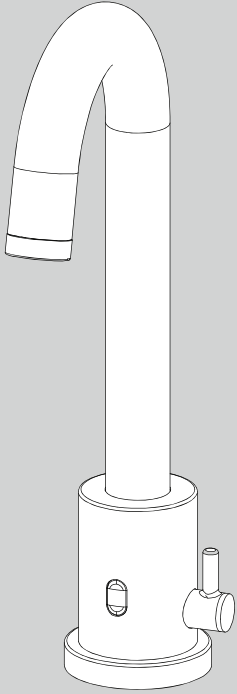


INSTRUCTIONS FOR MODELS

SF-9102
SF-9202



NEED HELP?

For additional assistance or service please contact:

SPEAKMAN®

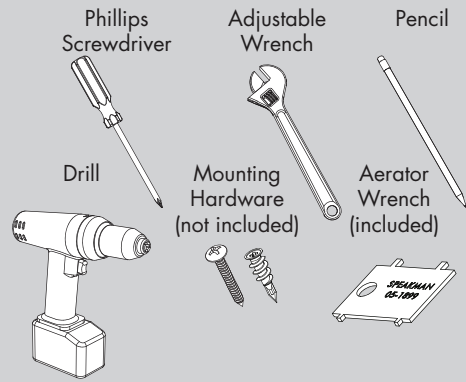
800-537-2107

customerservice@speakman.com

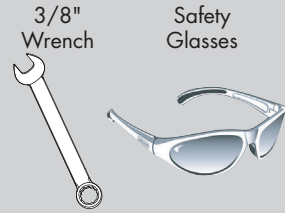
www.speakman.com

92-SF-9102-02

TOOLS AND SUPPLIES



HELPFUL TOOLS & SUPPLIES:



IMPORTANT

- Do not over-tighten any connections or damage may occur.
- Be sure to read instructions thoroughly before beginning installation.
- This faucet has an operating range of 20-80 psi.

SAFETY TIPS

Cover your drain to prevent loss of parts. Be sure to wear eye protection while cutting pipe.

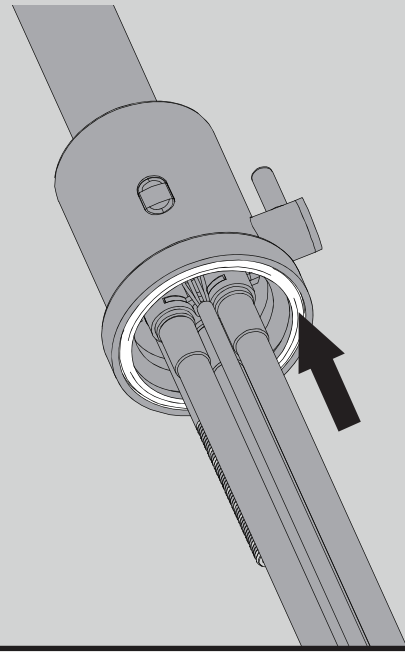
MAINTENANCE

Your new Speakman Product is designed for years of trouble-free performance. Keep it looking new by cleaning it periodically with a soft cloth. The use of harsh chemicals and abrasives may damage the finish and void the product warranty. Please be sure to only use approved cleaners. Please contact Speakman for any clarification of acceptable cleaners.

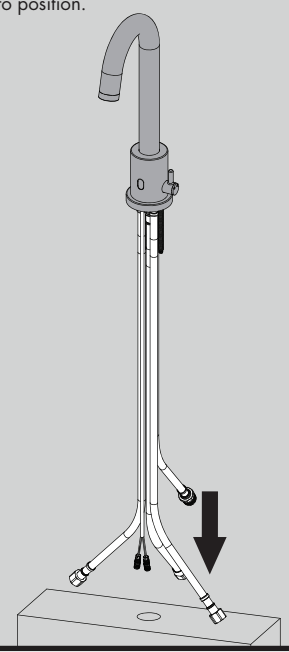
WARRANTY

Warranty information can be found at: www.speakman.com

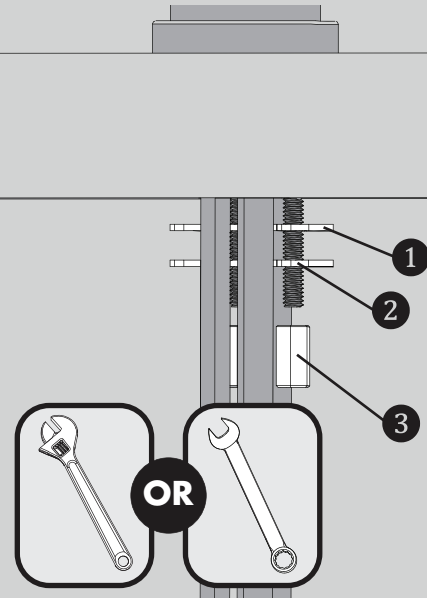
1 Verify that the Rubber Gasket is in position and aligned to the base of the Faucet.



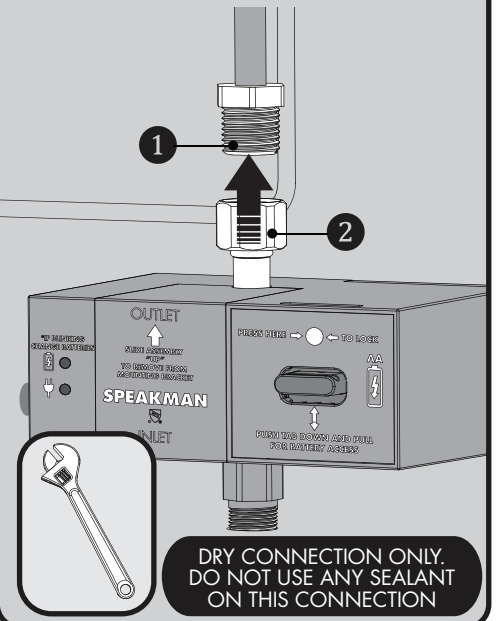
2 Place Hose and Sensor Wire carefully, one at a time, thru hole in mounting surface. Lower Faucet into position.



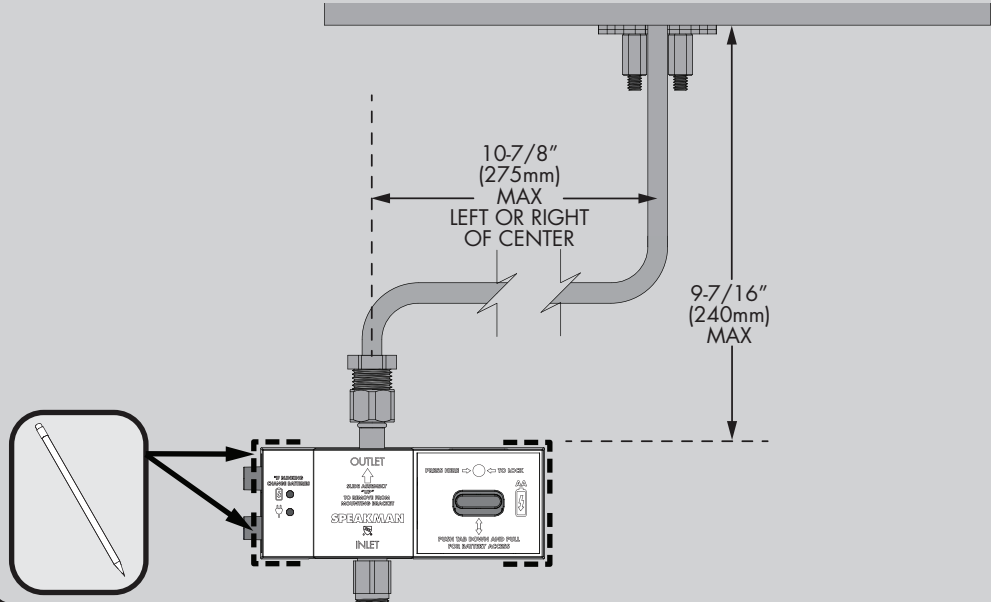
3 From below, install Rubber Washer (1), Metal Washer (2), and secure with Mounting Nuts (3). Align Faucet to desired position and wrench tighten Mounting Nuts (3).



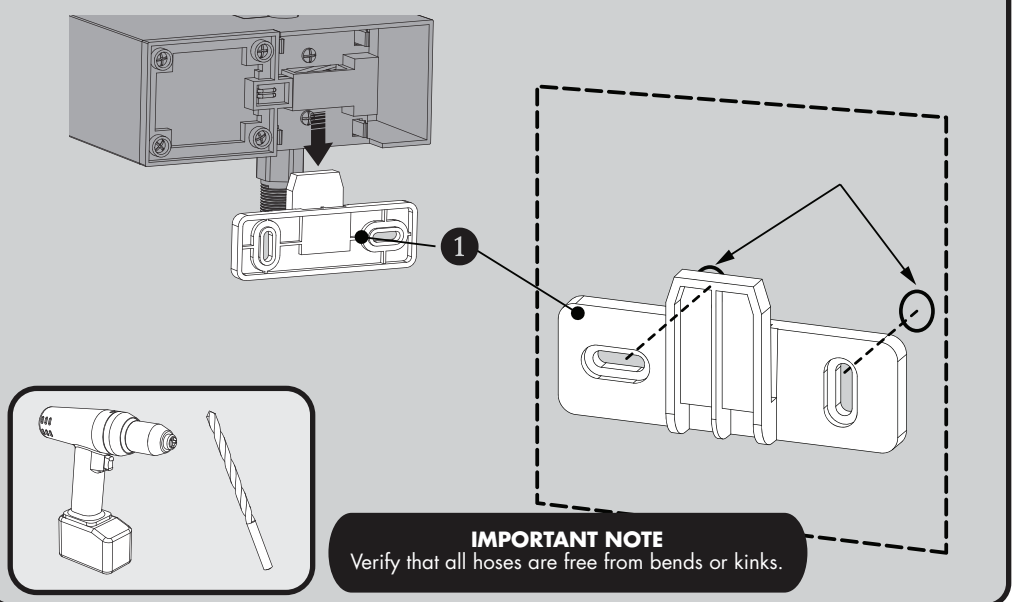
4 Assemble the Solenoid "OUTLET" Hose of the Faucet (1) to the "OUTLET" connection (2) of Solenoid. Wrench tighten.



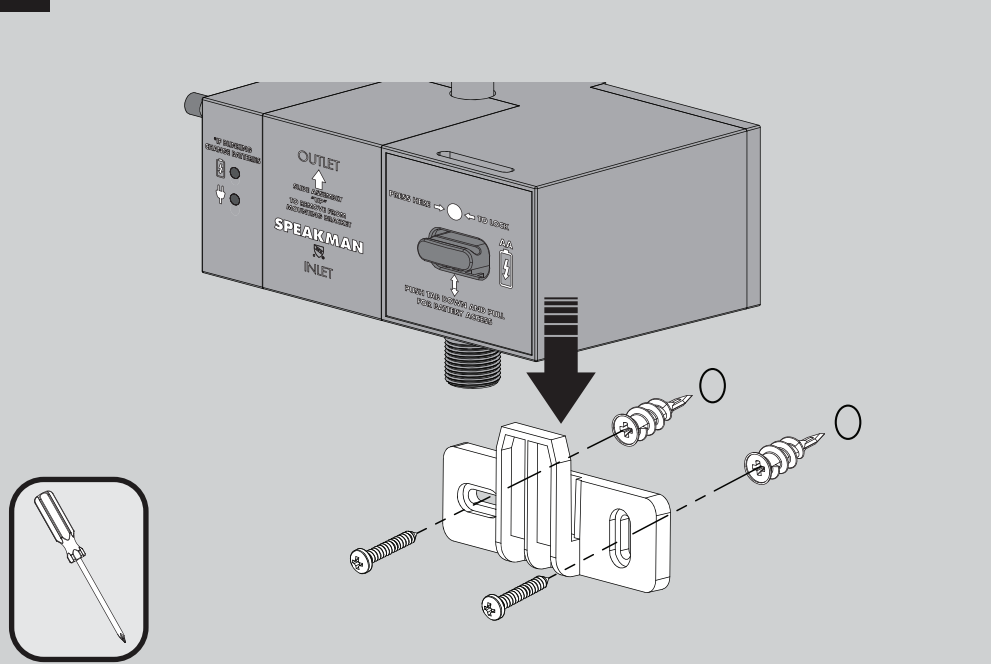
5 Place the Solenoid Assembly against the desired mounting surface while ensuring adequate clearance for servicing of all connections. If using the optional A/C Adapter, consider the distance to the nearest electrical outlet. Solenoid Assembly should be mounted so the inlet and outlet ports are aligned vertically. Mark location of Solenoid Assembly on the mounting surface using a pencil.



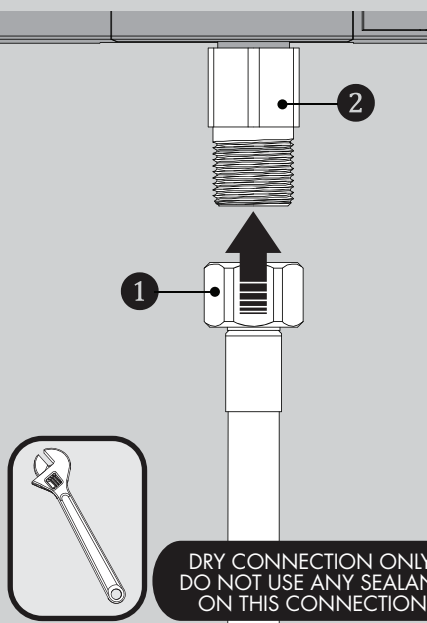
6 Remove Mounting Bracket (1) from Solenoid Assembly. Using the previously marked location on mounting surface, align Mounting Bracket (1) horizontally to approximate position and mark the mounting locations with a pencil. If mounting on drywall and not to stud, use the appropriate anchors and fasteners for application. Recommend screw in easy anchor or equal for drywall.



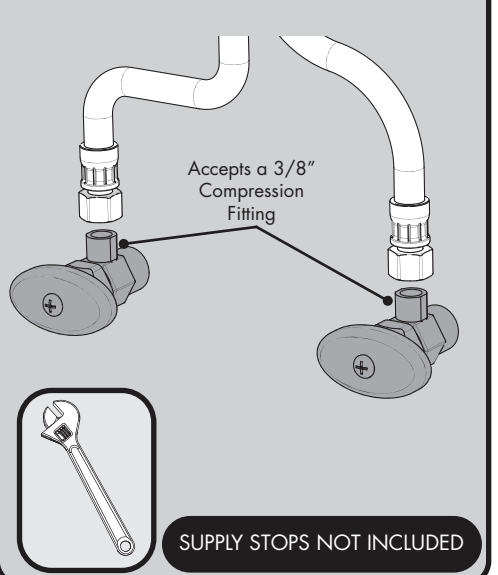
7 After securing the Bracket to the mounting surface, align and slide Solenoid Assembly over Mounting Bracket.



8 Assemble Solenoid "INLET" Supply Hose (1) to the "INLET" connection (2) of Solenoid. Wrench tighten.



9 Ensure the water supplies are turned off. Make connections with the Hot and Cold hoses of the faucet to water supplies. The inlet threads of the faucet are 9/16"-24 UNF and will accept a 3/8" Compression Fitting. Wrench Tighten.



10 Make electrical connections from the Sensor Eye to the Solenoid Assembly. Connect the Blue Male Ended Wire to the Blue Female Connection. Connect the Green Male Ended Wire to the Green Female Connection. To further aid proper alignment, there are white alignment lines on the connector ends. These alignment lines should face forward when properly installed.

11 FOR BATTERY MODEL (SF-9102)

Access the interior Battery Enclosure by pressing down on the tab to release the tray holding the batteries (1). Pull out Battery Tray (2). Insert or replace the batteries with six (6) new standard 1.5v AA batteries. Ensure the position of the new batteries are aligned to the plus (+) and minus (-) symbols within the battery holder.

12 Reinstall the Battery Tray (1). Make sure to press the indicated location until the battery door is fully seated and locks into position (2).

13 FOR A/C MODEL (SF-9202)

Verify that no batteries are present within the battery enclosure (1). Connect the A/C Adapter to the Solenoid Body (2). Plug the A/C Adapter into the wall outlet. The A/C light (3) should illuminate.

14 Turn on water supplies and check for leaks. Activate Sensor and allow Faucet to run for 1 minute to flush out any debris. Adjust the outlet water temperature by rotating the Mixing Handle on the faucet.

NOTE:
If the temperature is still too cold after adjustment, switch the HOT and COLD lines

15 Install Aerator. Tighten with included Aerator Wrench.

SF-9102 / SF-9202 TROUBLESHOOTING

If water flow from the Faucet decreases:

- 1) Make sure the supply stops are open.
- 2) Check that the In-line Filter located in the hose connecting the solenoid and the mixer is not blocked with debris. Remove filter from the Solenoid Inlet and rinse filter screen with clean water. Reassemble the filter, open stops, and check water flow. Stops must be turned off when filter is removed.
- 3) Remove the Aerator from the spout using the outlet wrench. Operate the Faucet with outlet device removed. If water flow is acceptable, disassemble the outlet device and rinse components with clean water.

If no water flows from the Faucet, and
If you can hear a clicking sound of Solenoid opening, but no water flows:

- 1) Verify that the HOT and COLD wall stops are completely open.
- 2) If the Battery Light within the Sensor Eye or Solenoid blinks continuously, even when the Faucet is not in use, the batteries within the Solenoid have low voltage and need replacement.
- 3) Verify that the In-Line Filter in the Solenoid is not blocked by debris. Clean filter if needed.

If you do not hear a clicking sound of Solenoid opening and no water flows:

- 1) If the Battery Light within the Sensor Eye blinks continuously, even when the Faucet is not in use, the batteries within the Solenoid have low voltage and need replacement.
- 2) Unplug connections to Solenoid for 2 minutes. Plug connections back in. The red light on the Sensor should turn on for several seconds before becoming operational. If not, check power supplies and connections.
- 3) Disconnect the existing Solenoid Assembly and connect a new Solenoid Assembly. Activate the Sensor and check for water flow. If the water flows, the existing Solenoid Assembly should be replaced.

If the batteries have been replaced, but the Faucet still does not operate:

- 1) Check the battery polarity and electrical connections. Make sure all electrical connections are fully inserted.
- 2) If the Faucet does not operate, replace the existing Solenoid Assembly with one you know to be functioning.

If the Faucet activates, but the water will not shut off:

- 1) Hold a hand in front of the Sensor at up to 7" away for more than 1 minute until the water flow stops. Once the water stops, remove your hand and wait 15 seconds. Then place your hand in front of the Sensor and verify that it is operating properly.
- 2) If the Faucet still does not shut off, cover the front of the sink with a towel. This will eliminate the potential of reflections activating the Sensor.
- 3) If it is a new installation and still not working, replace the Solenoid Assembly.

SF-9102 / SF-9202 QUESTIONS & ANSWERS

Q. How does the Sensorflo® Faucet work?
A. It uses laser technology. The Sensor emits a non-visible beam of light. When an object enters the detection area, the Sensor signals the Solenoid Valve to open for water to flow. When an object leaves the detection area, the Sensor signals the valve to close.

Q. Is the Sensorflo® Faucet sensor beam adjustable?
A. No, the Sensorflo® Faucet sensor beam is not adjustable. It has been factory set to factory specifications for these Faucets.

Q. What about water conservation?
A. The Sensorflo® design directly addresses water conservation. Water savings of up to 85% are not unusual. Additional energy savings are realized by conserving hot water.

Q. Can the water temperature of the Sensorflo® Faucet be adjusted?
A. Yes, this Faucet has a hot and cold water mechanical mixing valve. If you need to meet ASSE 1070, you must use our TMV (Thermostatic Mixing Valve) option.

Q. Does Sensorflo® reduce maintenance?
A. By elimination of on/off handles, control components are reduced and fittings stay cleaner longer. Only a light rinsing and wiping is required to restore the beauty of the Sensorflo® Faucets. Drip stains are eliminated. Fingerprints and soap spots on sinks and fittings are avoided. Finishes last longer and wash areas stay cleaner. Germs and bacteria are not transferred as easily making for a healthier environment.

Q. The chrome finish on my Faucet seems to be deteriorating. What can I do to prevent this from happening?
A. Many commercial cleaning products contain harsh chemicals and abrasives. These products should not be used on any chrome-plated plumbing products. Please use only mild soap and water to clean the Faucet. Dry immediately with a soft cloth.

Q. Does the Sensorflo® system shut off immediately when an object leaves the sensing area?
A. A very short delay of approximately 0 to 1.5 seconds occurs before water is shut off.

Q. Is my Faucet protected from power surges?
A. Yes, Sensorflo® has been designed to have built-in power surge protection.

Q. If we lose power, do I have to do something to get the Faucet to operate again?
A. After a power outage, the Faucet is automatically ready for operation as soon as the power comes back on.

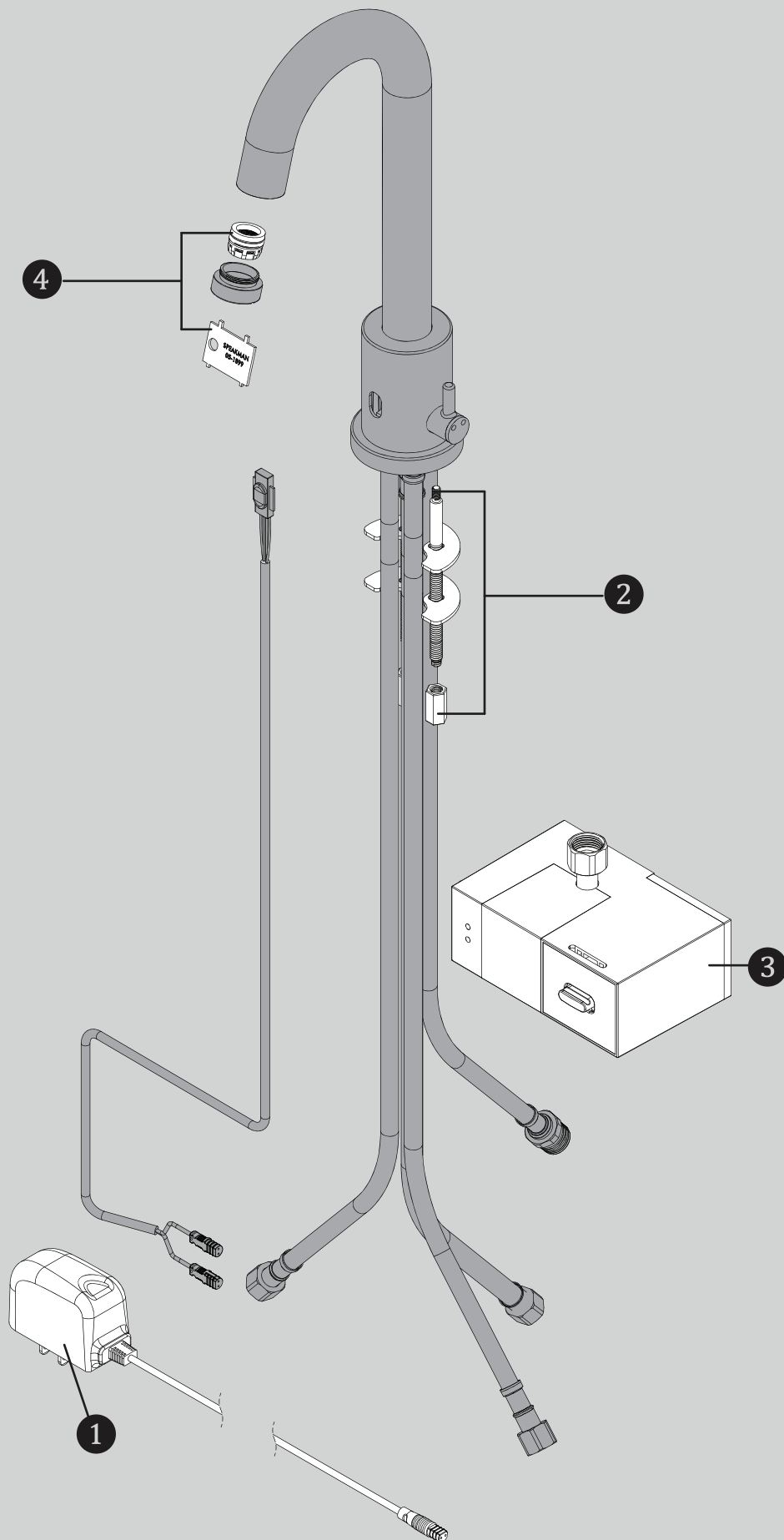
Q. If I call a plumber to come and install this Faucet, will they know enough to hook it up?
A. Our installation diagrams are very easy to follow.

SF-9102 / SF-9202 CARE AND CLEANING

- 1) Your SENSORFLO® Faucet is designed and engineered in accordance with the highest quality and performance standards. With proper care, it will provide years of hygienic and trouble-free service.
- 2) Periodically, the Faucet will require some minor maintenance to keep it at peak performance. There are 2 low battery indicator lights. One located on the Sensor on the Faucet body and the other located on the Solenoid Box. When the low battery light on the Sensor blinks, it indicates that the battery is low. However, the Solenoid can still function at this point. When the low battery light on the Solenoid blinks, the Solenoid will stop functioning at this point and the batteries need to be replaced immediately. To replace the batteries, follow the installation instructions in the electrical connections section of this document.
- 3) Periodically clean the In-Line Filter.
- 4) The polished chrome finish of your Faucet should be cleaned using mild soap and warm water.
- 5) Dry immediately with a soft, clean cloth for best results.
- 6) NEVER use abrasive cleaners, chemicals, alcohol or other solvents. They may damage the surfaces of the non-chrome plated finishes.

SF-9102 / SF-9202 REPAIR PARTS

SPEAKMAN®



ITEM NO.	PART NO.	DESCRIPTION
1	RPG76-107259	TRANSFORMER 120VAC TO 6VDC
2	RPG45-110196	MOUNTING HARDWARE GROUP
3	RPG76-108060	SOLENOID ASSEMBLY (NO BATTERY)
4	RPG05-108059	0.5 GPM AERATOR REPAIR KIT

SF-9102 / SF-9202 ROUGH-IN DIAGRAM **SPEAKMAN®**

NOTES:

COMPLIANCE:

ASME A112.18.1/CSA B 125.1

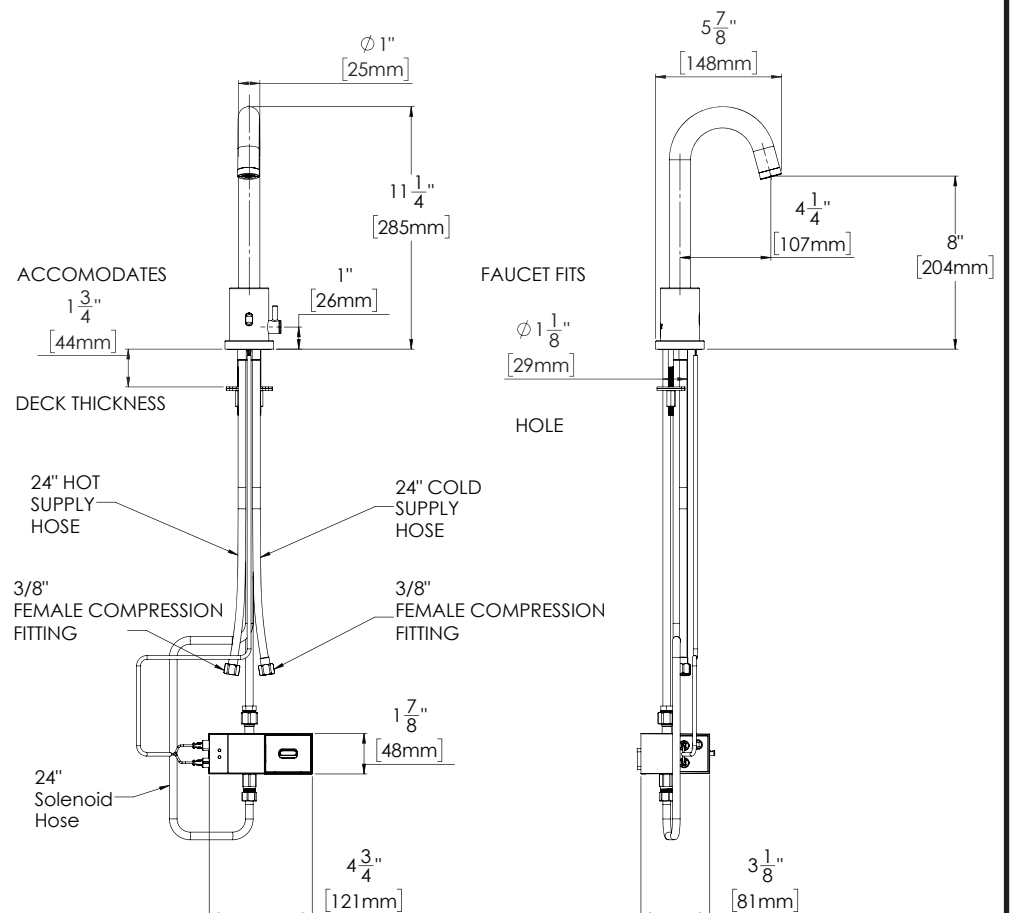
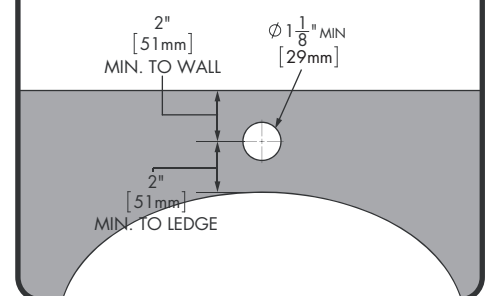
FLOW DATA:

- 0.5gpm (1.9 L/min)

CONNECTIONS:

Supply Connection:
9/16"-24 UNF Connection

LAVATORY ROUGH-IN



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SPECIFIED. DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.