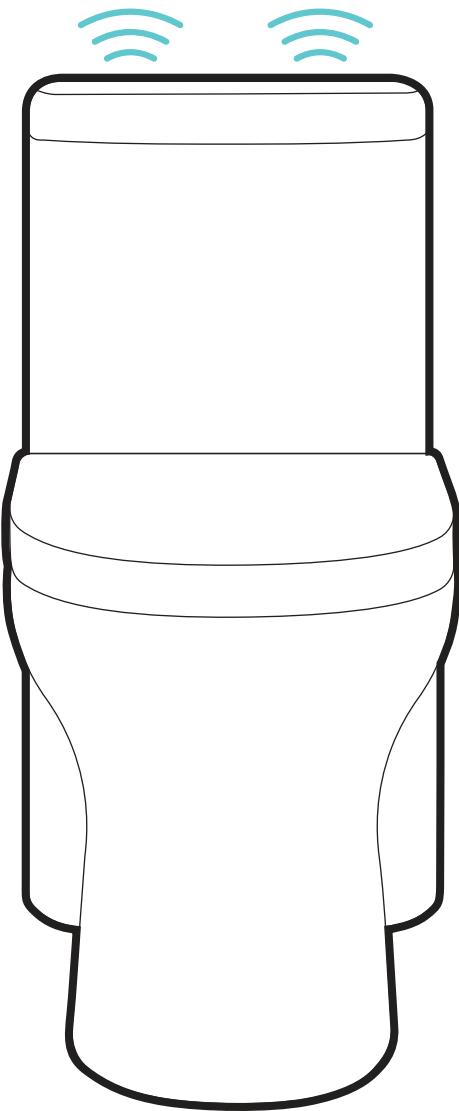


# Touchless One-Piece Toilet

## INSTALLATION INSTRUCTIONS



TOUCHLESS  
 technology



## PRIOR TO INSTALLATION:

- Inspect product to ensure no damages have occurred while in shipping.
- Observe all plumbing and building codes in accordance with your state and local requirements.
- All dimensions are nominal! Be sure to measure your toilet prior to installation.
- The step-by-step guidelines in the installation instructions are a general reference. Should there be any discrepancies, Swiss Madison cannot be held liable. It is recommended to install all Swiss Madison products by hiring a licensed professional.
- Read installation and maintenance instructions thoroughly before installing. Be sure to use proper tools and always wear proper personal safety accessories for your protection.
- Two people are recommended to handle and install this product as it is fragile.

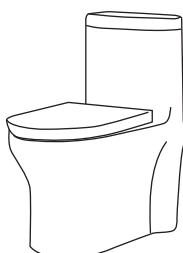
## QUESTIONS OR CONCERNs?

Please contact us:

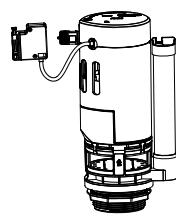
1-434-623-4766

[info@swissmadison.com](mailto:info@swissmadison.com)

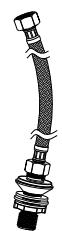
## INCLUDED PARTS:



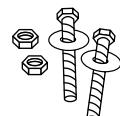
One-Piece Toilet



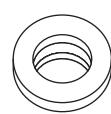
Flush Valve & Base



Hose Set



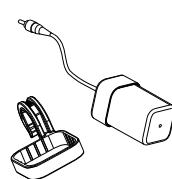
Bolts



Wax Ring/  
Gasket



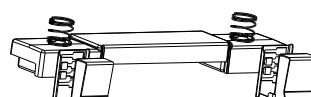
Cover Caps



Battery box



Push-  
Button



Sensor module &  
Mounting bracket

## SUGGESTED TOOLS & MATERIALS:



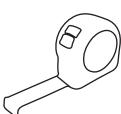
Safety  
Glasses



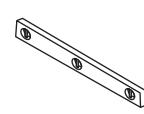
Putty Knife



Wrench



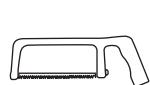
Tape  
Measure



Level



Flexible  
Supply Tube



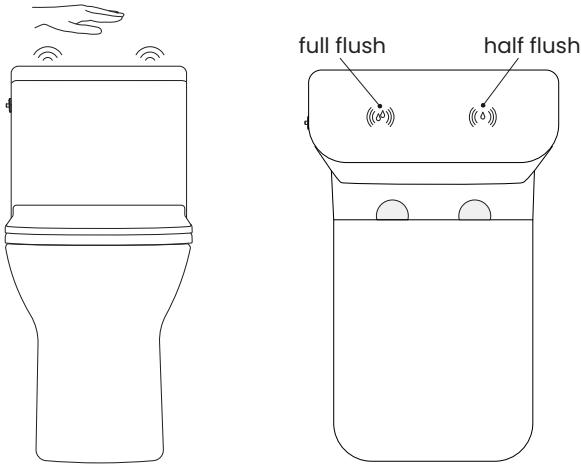
Hacksaw



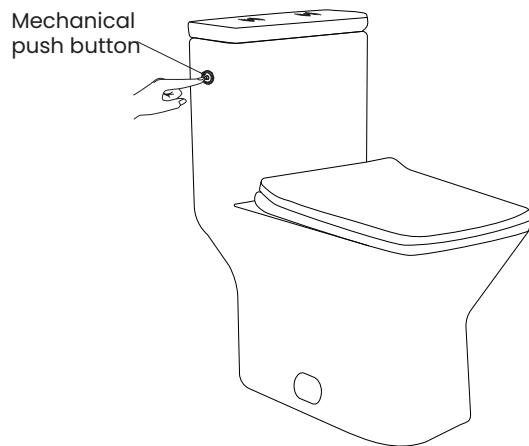
Screwdriver

## USAGE INSTRUCTIONS:

**Touchless Flush:** Wave-sensing within 30 mm directly above the flush button (full flush or half flush).



**Mechanical Push Button Flush:** To use if the battery is low or electronically faulty.



**NOTE:** If something is sensor recognized on the lid of the water tank, the toilet comes with an adaptive function, and will wait 30 seconds to resume normal use to prevent accidental flushing.

## PRODUCT FEATURES:

- Touchless Flush: No-touch induction flush, flush by waving your hand, can prevent bacterial infection, easy to use.
- Back-Up Mechanical Push Button: Mechanical push button can be used when the battery is dead or faulty and unusable.
- Energy Saving: Low power consumption: 4 x 1.5 V "AA" size alkaline batteries can be used for 8-10 months if using 3000 cycles per month (based on laboratory data, results may differ in actual environment).
- Wide Water Pressure Application Range: Can work normally under the dynamic pressure of 0.07Mpa to the static pressure of 0.8Mpa with stable water consumption.
- Convenient Water Level Adjustment: Adjustable valve body and shut-off cup height to adjust water level, applicable for a wide range of different tanks.
- Anti-Siphon Function: Keeps water from returning to the water supply system and prevents contamination.
- Fast Drainage & Strong Flushing Effect: With a 3-inch base, the draining speed is about 4 L/S in a 0.7 L/cm standard tank.
- Stable and Reliable: Advanced production technology seals the control circuit. The plug-in adopts waterproof connectors to ensure long-term stable, reliable operation.
- Easy Maintenance: Easy-to-clean, built-in, detachable filter blocks dirty water from entering the inlet valve.

## SPECIFICATION PARAMETERS:

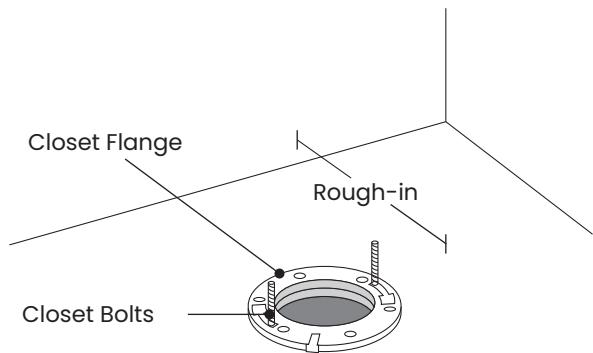
- Working temperature: 35.6°F -113°F.
- Working pressure: Dynamic pressure of 0.07Mpa - Static pressure of 0.8Mpa.
- Power: DC 6V (4 AA alkaline batteries).
- Water inlet: Bottom-in and back-in.
- Water inlet thread: External thread G 1/2" or 15/16-14 UNS - 1A.
- Applicable tank height: The height between flush valve base to the inside top of tank is more than 300mm.
- Sensing distance: Less than 30mm.
- Adjustable sensor module: Total 255 levels (1-FF level).

**1 Turn Off Water Supply**

- Close toilet supply valve and flush tank completely, use towel to remove excess water.
- Disconnect and remove supply line, if you are replacing the valve shut main water supply first.
- Remove closet bolts from flange and clean wax and putty from base area.

**3 Install Closet Bolts**

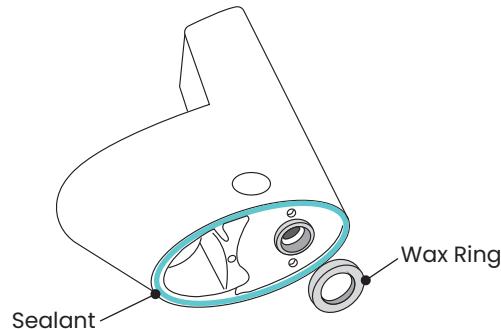
- Install closet bolts to flange channel, turn 90° and slide into place 6" (152mm) apart and parallel to wall.

**2 Rough-In the Toilet**

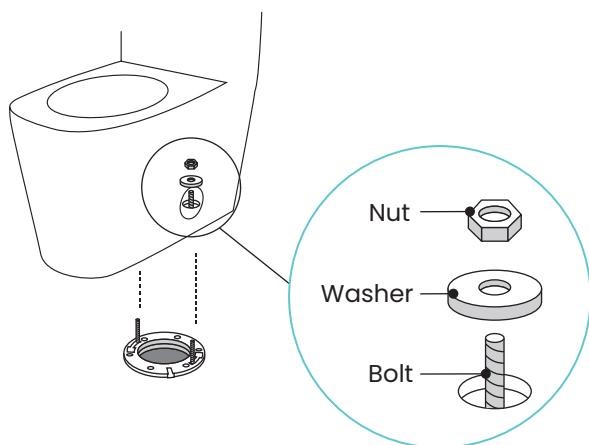
- Measure the wall from behind the toilet to the middle of the closet bolt. Your rough-in measurement should be 12".

**4 Install Wax Seal**

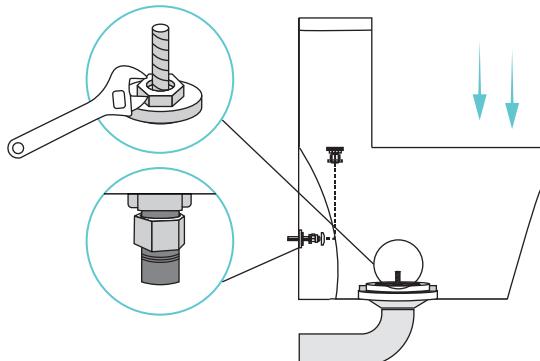
- Invert toilet on floor (use cushion to prevent damage), and install wax ring evenly around waste flange with tapered end of ring facing toilet. Apply a thin bead of sealant around toilet base.

**5 Position Toilet on Flange**

- Hand-tighten water supply hose to the fill valve in the back of the toilet. Do not connect to water supply yet.
- Unplug floor waste opening and install toilet on closet flange so bolts project through the mounting holes.
- Loosely install retainer washers and nuts.

**6 Install Toilet**

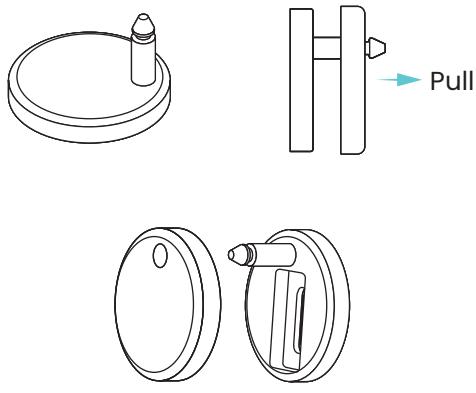
- Position toilet square to wall and, with a rocking motion, press bowl down fully on wax ring and flange. Alternately tighten nuts until toilet is firmly sealed to floor. Do not over-tighten nuts, it might crack ceramic.
- Smooth off the bead of sealant around the base. Remove excess sealant.
- Place cover caps to hide installation holes on toilet.
- Connect water supply to shut off valve, and check for leaks. Tighten if necessary.



## TOILET SEAT INSTALLATION

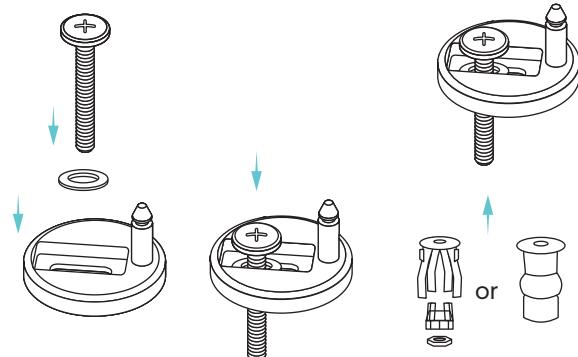
### 1 Disassemble

- Disassemble the cover cap and the hinge.



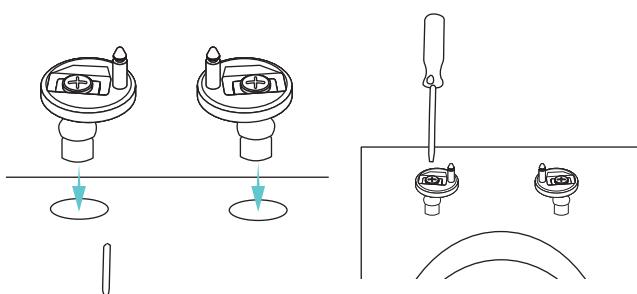
### 2 Construct Hinges

- Insert screw and nut into the hole on the hinge.
- Attach blind hole screw fixing to the bottom of screw.



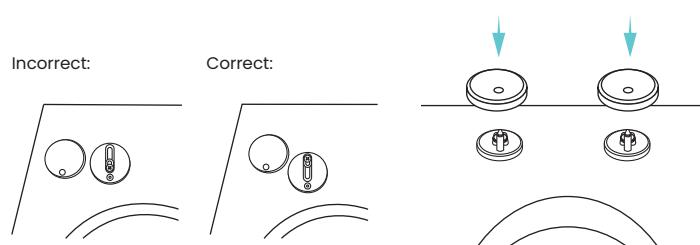
### 3 Attach Hinges

- Insert hinges with blind hole screw fixings attached into holes on toilet bowl.
- Lightly tighten hinges with a screwdriver to allow for later adjustment.



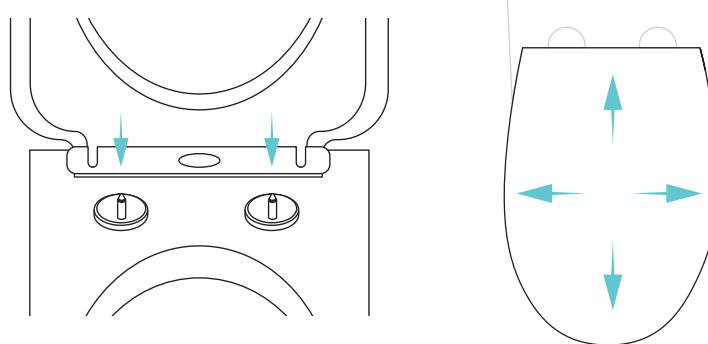
### 4 Adjust and Cover Hinges

- Be sure the hinge is all the way forward for proper seat fitting.
- Place the covers onto the hinges.



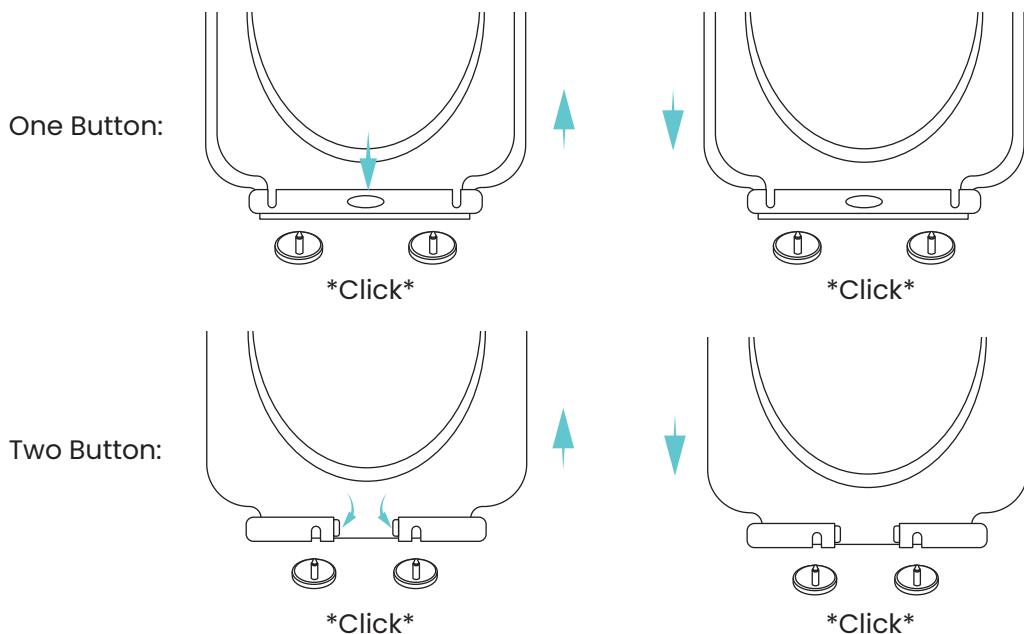
### 5 Adjust and Attach Seat

- Align seat to the hinges then firmly tighten the hinges.
- Attach seat to the secure hinges.
- Adjust seat to align to the bowl.



## TOILET SEAT USAGE

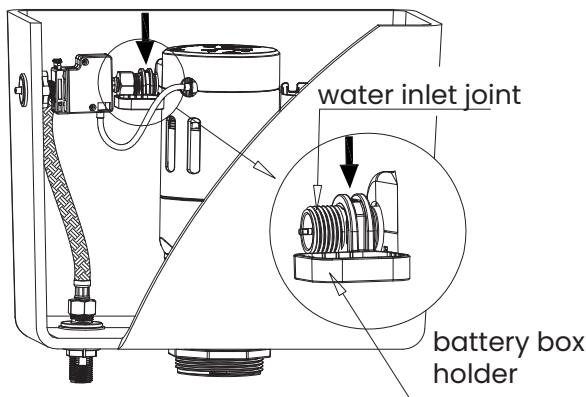
- To remove, push middle button until you hear a "click", then pull straight up.
- To re-install, align hinge posts with reference marks on seat, then push down until you hear a "click".



## TOUCHLESS TECHNOLOGY INSTALLATION

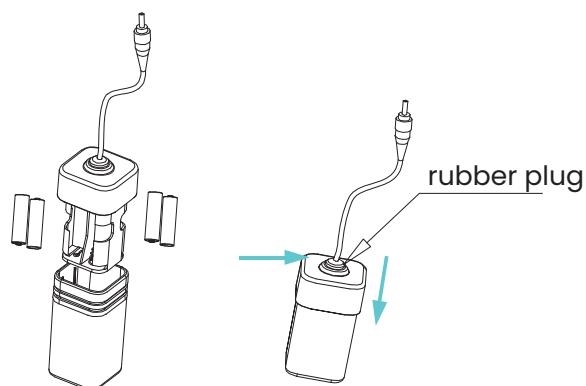
### 1 Install Battery Box Holder

- Install the battery box holder on the water inlet joint.



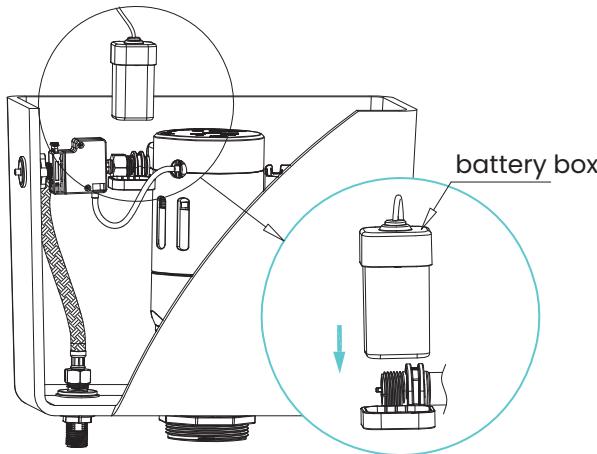
### 2 Install Battery

- Insert the battery (4 x 1.5V (AA) size alkaline batteries) into the battery box. When the lid is buckled, squeeze the side of the rubber plug with your fingers to discharge the air inside the box to ensure the sealing effect. Batteries not included.



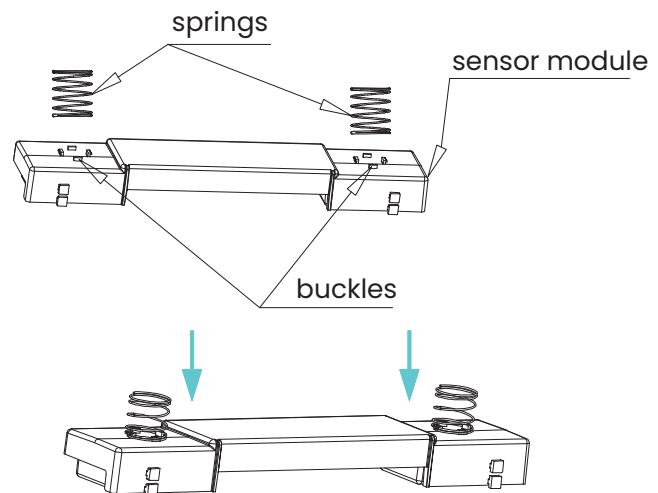
### 3 Install Battery Box

- Install the battery box into the holder.



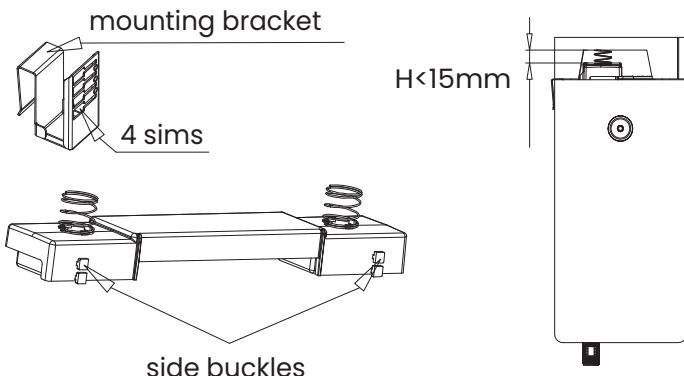
### 4 Install Springs

- Install both springs on the buckles of the sensor module.
- The mounting bracket attaches to both sides of module.



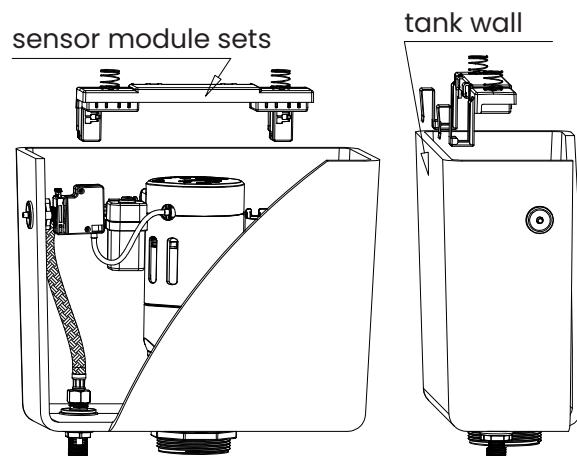
### 5 Install Mounting Brackets

- Install two mounting brackets on the two side buckles of the sensor module. The mounting bracket has four sims, select sim position as needed. When selecting the sim position, ensure that the lid is attached to the modular spring and the distance from the top of the sensor module is less than 15mm.



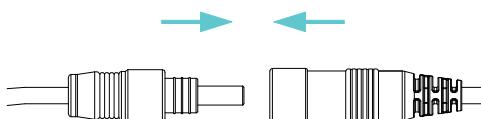
### 6 Hang Sensor Modules

- Hang the sensor module sets on the rear tank wall.



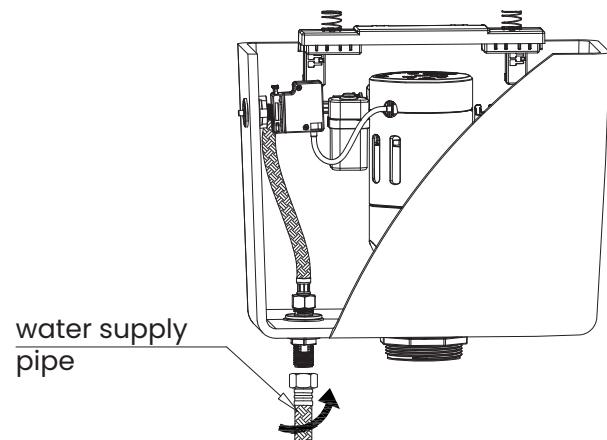
## 7 Connect to Battery Box

- Plug the DC connector on the battery box, valve body and sensor module (spin while inserting).
- Connect the sensor module to the valve body, then connect the sensor module to the battery box. When the DC connector is connected: red to red, black to black.



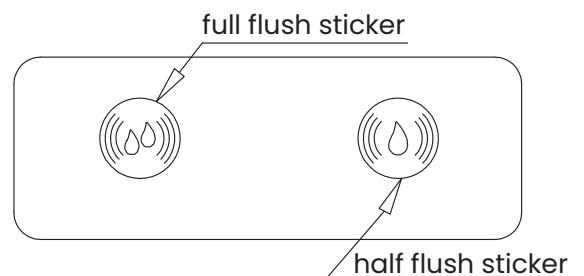
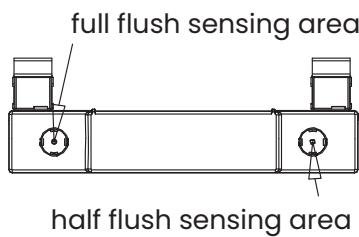
## 8 Connect Water Supply

- Screw on the water supply pipe and turn on the water supply valve.

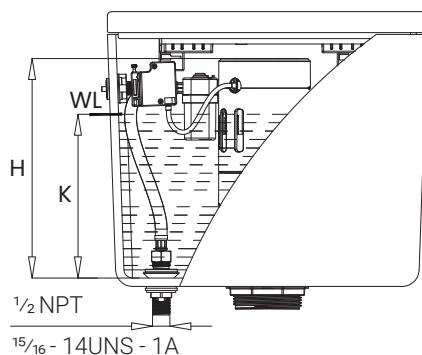


## 9 Place Tank Lid Sticker

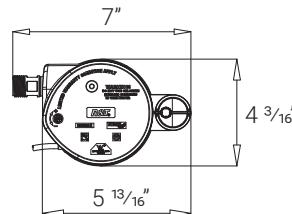
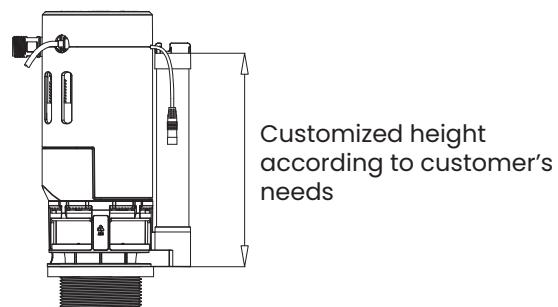
- Place sticker on the outer surface of the tank lid, directly above the module sensing area.



## WATER LEVEL ADJUSTMENT

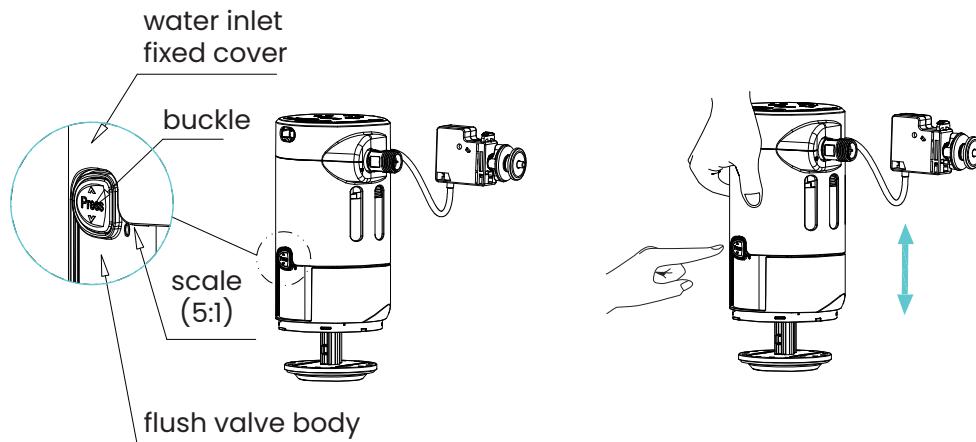


H: adjustable height:  $10\frac{5}{16}''$  -  $12\frac{3}{16}''$   
 K: adjustable height:  $6\frac{1}{2}''$  -  $9\frac{13}{16}''$   
 Adjustments include the height of the 8mm rubber gasket.



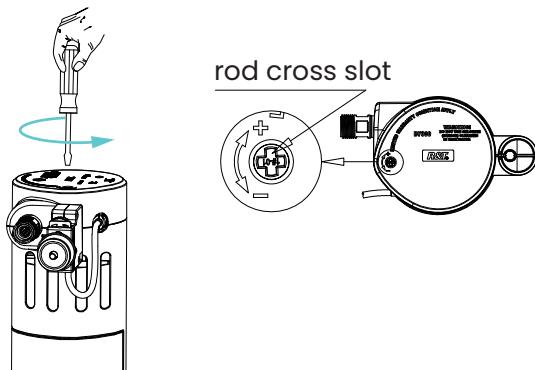
## 1 Scale the Water Level

- Press the buckle with one hand and pull or press the water inlet fixed cover at the same time.
- Release the buckle when the water inlet cover is adjusted to the appropriate scale.



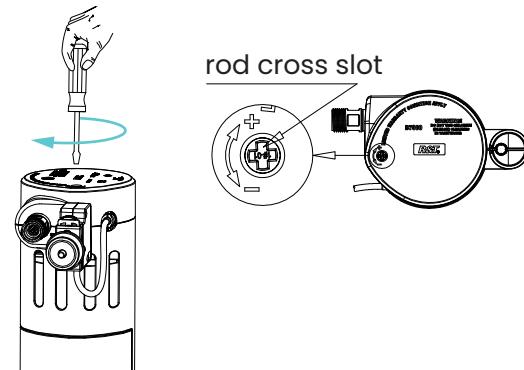
## 2 Lower Water Level

- Turn the rod counter clockwise (in the direction of the "-") with a flat or cross slot screwdriver to lower the shut-off cup to the desired position.



## 3 Raise Water Level

- Turn the rod clockwise (in the direction of the "+") with a flat or cross slot screwdriver to raise the shut-off cup to the desired position.



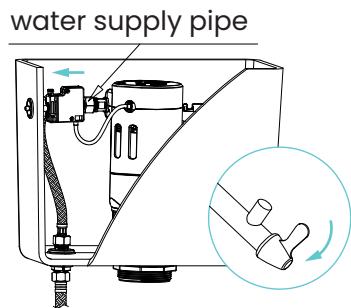
## MAINTENANCE & USAGE

### 1 Daily Usage Caution

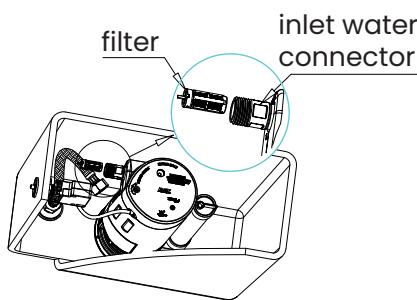
- Do not place items or do irrelevant actions in the sensing area to avoid false induction.
- Please do not use corrosive solvents in the water tank. Solvents containing chlorine or hypochlorite will damage the tank fittings, resulting in water leakage.
- Do not let the DC plug touch the water when disassembling or cleaning the product. If you accidentally touch the water, please dry it to avoid the electronic components burning out.
- It is recommended to check the filter regularly for blockage. If it is clogged, please clean the filter.
- If the battery is low, please replace the battery.

## 2 Cleaning Filter

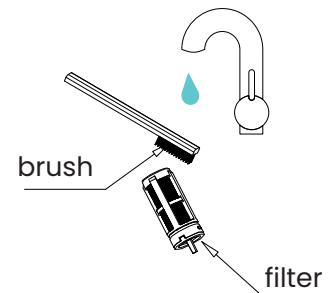
**2A** · Shut off the water supply valve, then remove the water supply pipe.



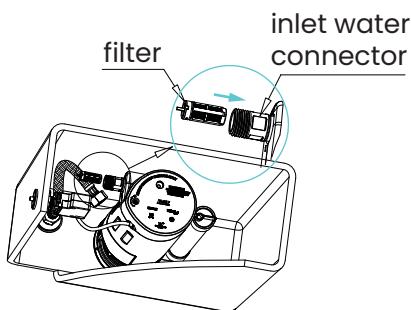
**2B** · Remove the filter screen from the inlet water connector.



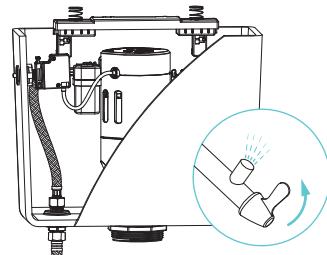
**2C** · Clean the filter screen with water.



**2D** · Re-install clean filter back into water connector.

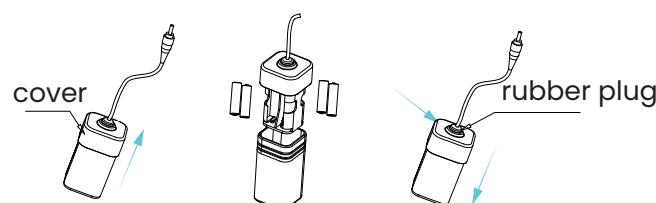
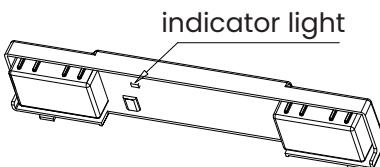


**2E** · Insert the water supply pipe back to the water connector and turn on the water supply valve.



## 3 Low Battery Determination & Replacement

- If the flush does not work after wave sensing, and the indicator light on the sensor module (at the bottom of the module) flashes 12 times continuously, the battery is low and needs to be replaced.
- Pull out the cover, remove old battery and insert new battery into the battery box. Close cover, squeeze the side of the rubber plug with your fingers to discharge the air inside the box to ensure the sealing effect.
- Battery must be 1.5 V (AA) alkaline battery. Do not mix different brands of battery or old and new batteries. Battery life will be significantly reduced when using non-alkaline batteries.



## TROUBLESHOOTING

### 1. Water is not shutting off after first use.

**Cause:** The solenoid valve inside the valve body is automatically opened due to heavy movement during shipping or installation.

**Resolution:** Flush once, disconnect the battery box and wait for 30 seconds, then reconnect battery box.

### 2. Water line is too high or too low.

**Cause:** Inlet valve is not adjusted to a suitable position.

**Resolution:** Adjust the water level to the appropriate water level.

### 3. Inlet valve does not shut off.

**Cause:** The valve body float is blocked and does not float in place. The valve body has a leak. The valve body water level is higher than the overflow pipe.

**Resolution:** Check if the float is stuck and can move up and down freely. Make sure there are no leaks from the body valve. Adjust valve body water level and installation height.

### 4. Inlet valve does not turn on.

**Cause:** Water supply valve is off or the inlet valve float is blocked and does not float in place. The filter screen is dirty or the tube was not installed properly.

**Resolution:** Turn on the water supply valve, check if the float is stuck and can move up and down freely. Clean the filter screen. Re-install the tube correctly.

### 5. Little or no flush.

**Cause:** The piston or lift rod is stuck or the battery is low. The filter screen is dirty or the flush volume is not adjusted properly. The tube may not have been installed properly.

**Resolution:** Check if the piston and lift rod move freely. Try to change the battery. You may need to clean the filter screen. Re-install the tube correctly.

### 6. Valve body leakage.

**Cause:** Debris in water is affecting the valve. The refill tube may not have been installed properly. The valve and base may not fit properly. The wire may be twisted.

**Resolution:** Remove, clean and reassemble the valve body. Adjust the refill tube and make sure the tube is above the water surface, then reassemble. Adjust the position of the wire so it does not twist.

## ONE-YEAR LIMITED WARRANTY

Swiss Madison® products are made with quality materials and excellent craftsmanship to provide our customers with beautiful, durable, long-lasting products. Should there be any defects in materials or craftsmanship under regular use that are discovered within the first year after delivery, Swiss Madison® will provide replacement parts at no charge, or at its discretion, replace any product or part of the product that is deemed defective, under normal installation, use, service or maintenance. This warranty applies only to the original purchaser. Proof of purchase must be submitted with any warranty claim.

Swiss Madison® recommends that all installations of Swiss Madison® products to be conducted by a licensed plumber or contractor. Swiss Madison® will not be held responsible for any damage or product failure due to improper installation, misuse, or failure to utilize a licensed plumber or contractor for installation. Swiss Madison® is not responsible for any installation or removal costs.

### THIS ONE-YEAR LIMITED WARRANTY WILL BE VOIDED IF:

- The installation instructions were not followed by the installer
- The product has been moved from its initial place of installation
- The product has in any way been modified from its original condition
- The product has been subjected to improper maintenance, abuse, misuse, excessive use of chemicals, accidents, or other damages

Swiss Madison® makes no warranty that its products comply with any local building or plumbing codes. It is the consumer's responsibility and obligation to determine local code compliance prior to and during installation.

Swiss Madison® is not responsible for any special, incidental or consequential damages associated with the installation, replacement, return or use of the original purchaser's product. This includes, but is not limited to: freight costs, labor, travel time, lost profit, home damages and other contingent liabilities and costs (including, without limitation, costs associated with 'professionals' or 'experts', investigations, audits, analyses, attorneys and any other professional/hired services). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

The Swiss Madison® warranty is a comprehensive and explicit limit of liability. All other warranties are hereby disclaimed and waived.

**QUESTIONS OR CONCERNS?** Please contact us directly at: 1-434-MADISON (623-4766)



### **WARNING:**

Contents of your order may contain sharp and possibly other harmful pieces and may cause hazard to children and adults. Swiss Madison® is not responsible in any way for personal injuries or damages.