

## Water Valve Cleaning Instructions

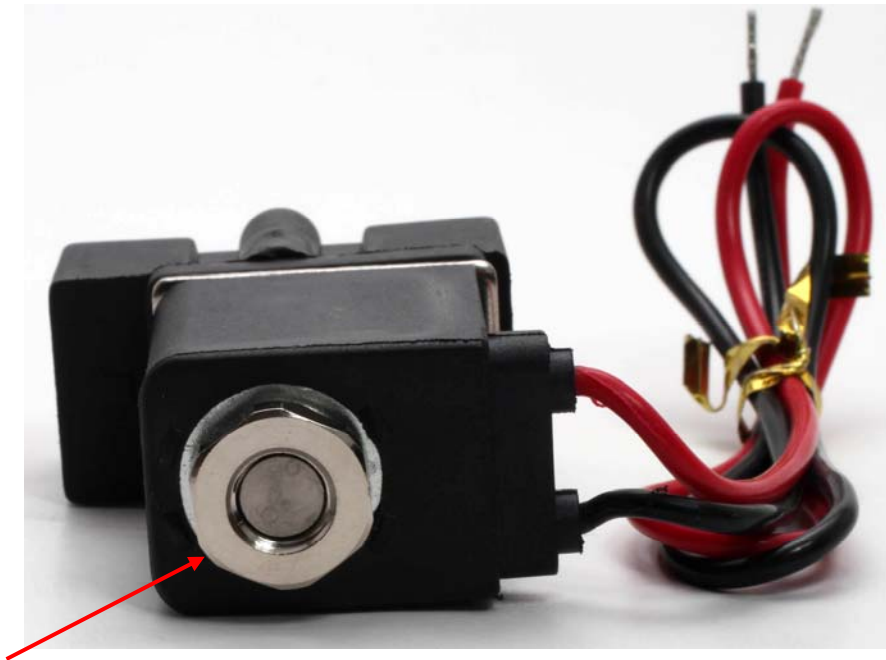
A piece of debris (even smaller than the size of a piece of sand) can cause the water valve to leak. Cleaning the valve is easy. The first step is to try and flush the debris out of the valve.

1. Thoroughly/repeatedly fill and empty the siphon with hot water.
2. Fill the siphon with hot water.
3. Use the StopShot PURGE feature. To do this, press the SELECT button until the “>” indicator is next to the “Manual” trigger.
4. Press and hold UP or DOWN button. This will release the water. Keep pressing the button until all the water has flushed through the valve.

If the valve continues to leak the debris may have lodged itself inside the valve. It's time to clean the valve seal.

### Disassembling the water valve

1. Remove the nut on the valve using a 14mm wrench (or adjustable). There will be a metal washer underneath the nut.



2. Remove the portion of the valve that has the wires running to it.



3. Remove the two Philips screws holding the metal plate to the valve body.



4. You should see this:



5. Pull on the brass portion of the valve to remove the plunger. The silver metal end with the spring may fall out of the brass (no worries).



6. Examine the spots indicated by the arrows for debris and remove (remember, a single grain of sand can cause a leak!). Flush the valve cavity with water.



7. The valve is now cleaned! Time for reassembling.

### Assembling the water valve

1. Place the plunger back into the valve body. The silver piece with the spring must have the black circle going into the valve first. The arrows below indicate what must be put into the valve.



2. Screw on the metal plate over the brass piece. It only fits on one way, with the screw bevels up. The screws should be flush with the metal plate. The screws should be fairly tight.



3. Place the black portion of the valve with the wires coming out of it over the slug and adjust its position so that it covers the metal plate. The smooth surface should mate up with the valve body. The wires should be away from the valve body.



4. Put the washer onto the valve stem.
5. Put the nut onto the valve stem. Note the orientation below. The small face of the nut should screw onto the valve stem. This nut should NOT be tight. It should compress the metal washer but that is it. The arrows below indicate what side of the nut should mate up with the valve.



6. That concludes assembling your valve.

If you have any questions or concerns please contact us at [support@cognisys-inc.com](mailto:support@cognisys-inc.com)