

## Maintenance Tips for VACLEEN® Automatic Screen Filters

### 1 CHECK THE CONTROLS

The picture below shows removing a 24 Volt AC solenoid coil by unscrewing the coil from the base to drain all water from the base.



To check the controller and solenoid, hold the coil in your hand and hit the manual flush button on the controller. The plunger should pull in. When the flush is over, the plunger should become loose again. Keep your hand loosely over the plunger. It is spring-loaded and you don't want to lose it. Screw the coil with the loose plunger back into the base.

In the case of a DC latching solenoid, double check to be sure the plunger is loose inside the coil when re-installing onto the base.

### 2 CHECK THE FILTER MECHANICS

Remove the tank lid and pull the assembly out and set it on a workbench or tail-gate. Remove the threaded cover over the pawl and remove the pawl. Remove the threaded cover over the end of the reverser housing and drain any water around the central shaft and the reverser screw. With the pawl removed, slide the filter central shaft back and forth a couple of times to be sure it slides freely.



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### 3 MAKE SURE THE BALANCE TUBE IS CLEAR

Insert a 5/16 inch diameter (or smaller) wire rod that is long enough to reach the opposite end into the hole at the end of the reverser screw and push the rod all the way to the plastic cylinder cover at the other end of the filter assembly. Confirm that this equalizing tube is clear and free of debris. If a rod does not run cleanly down the length of this tube, access and remove the plastic cylinder cover at the opposite end and clear any blockage in the equalizing tube.



### 4 CHECK THE CLEANING NOZZLES

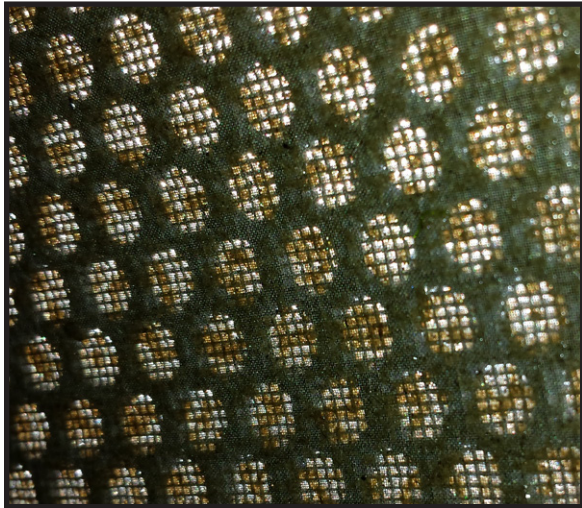
Confirm the cleaning nozzles rotate and travel back and forth for accurate cleaning of every square inch of the screen. Re-install the pawl and check the mechanical components by rotating the water motor by hand to be sure the rotation is easy and the dirt collector shaft moves back and forth while rotating. Return the internal assembly clean and dry into the filter tank or store it in a safe place until the next season.

When re-installing, use non-petroleum lube such as silicon dielectric grease on the filter o-ring seals between the filter assembly and the filter tank. This will make it easier to install and remove the next time. Do not use petroleum grease.

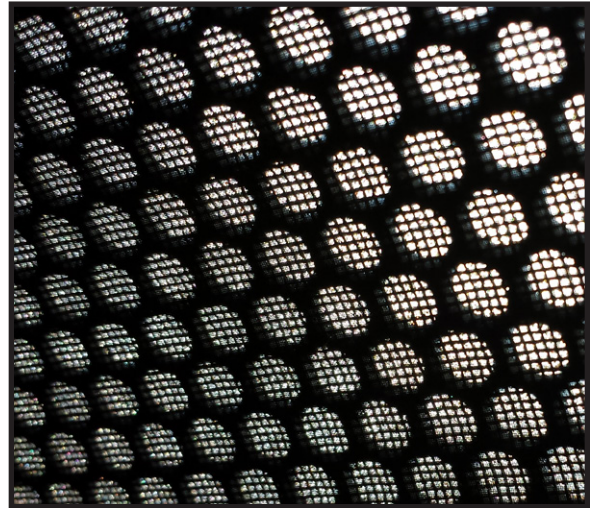
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### 5 CHECK THE SCREEN

It is not possible to see the fine mesh wires with your eyes. Use a 20X magnifying glass, or take a picture and enlarge to see if there is anything that might be blocking the screen. If there is, use a pressure washer to clean the screen by spraying from the outside to the inside and look again carefully at the screen wires after the pressure wash. You do not have to take apart the filter internal cartridge assembly to pressure wash the screen.



Example of a dirty screen



Example of a clean screen

### About CalWest Rain

As an authorized dealer for Evoqua VACLEEN® Filters (formerly Olson Filers) in Central California. We provide complete sales, parts and service support for VACLEEN® automatic screen filters. CalWest Rain began serving the Ag Irrigation and Pump needs of growers in 1989. Our commitment to providing the highest quality standards in irrigation design, integration, equipment, automation and customer service remains the benchmark by which we measure our success.

### Services

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### Locations

- Paso Robles, CA: 805-226-8990
- Kerman, CA: 559-846-5326
- Hanford, CA: 559-537-6846

[www.calwestrain.com](http://www.calwestrain.com)

For assistance, contact CalWest Rain 805-226-8990

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