WATER·ON·WATER™
REVERSE OSMOSIS

Operational Manual

Adding Leak Detection System to a WOWRO 50

Converting a WOWRO 50 to a WOWRO 180 Kit with Leak Detection System

Adding a Leak Detection System to a WOWRO 50 / 180 Kit

Step 1

Prepare the WOWRO 50 by removing the tubing from the grey regulator underneath the manifold. Push in the collet flush and pull the elbow fitting out from the regulator, disengaging tubing. Remove elbow fitting from the opposite end at the RF Port (Tip: remove fitting by pushing the collet flush, then pull fitting). Remove elbows from tubing. Use one for the RF Port from leak detector.

Attaching Leak Detection System 50 / 180 Kit

Step 2

Place the WOWRO 50 System upside down to locate the 3 tank base fastener holes. Place leak base onto the tank base and align with the fasteners holes. Using the phillips head screws supplied. Attach all of the screws to their stop point. DO NOT OVER-TIGHTEN ! Do same for 180 kit.

Turn system right side up. The 180 tray comes pre-plumbed. For the short tray, plumbing needs to be assembled. Attached one end of the short tube to the regulator. Push in to a complete stop (double check). Attach the other end of the short tube to the “IN” port of the leak detector. Attach one end of the long tube to the RF Port. Attach the other end of the long tube to the “OUT” port of the leak detector. Push in to a complete stop (double check).
This completes the Leak Tray addon.

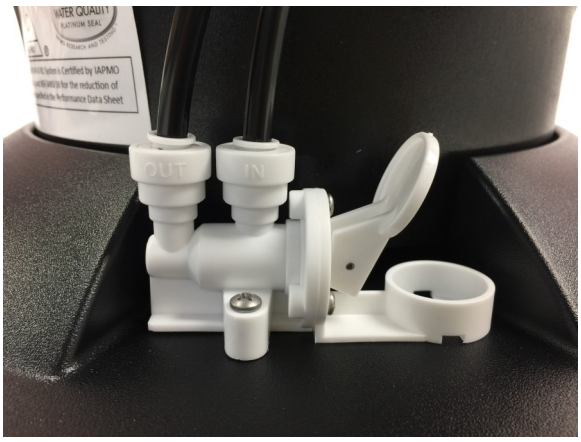
Starting the WOWRO 50 / 180 Kit with the Leak Detection

Step 3

Go to the Installation Manual and follow directions on pages 13, 14, 15.

NOTE:

Your system now has an added shut-off switch. To start the system, all feed valves need to be in the on position, including the Leak Switch.



OFF

ON

Final Inspection—Important

Step 4

After going to the Installation Manual and following directions on pages 13, 14, 15.
Start your system and ensure that your installation is completely (leak free) and making water, make sure to completely wipe down the system and make sure the system is dry, prior to installing leak pads, to ensure leak pads do not swell, shutting system off.

Install Leak Pads

Step 5

After determining system is dry and operational, install leak pads by flipping the leak switch in the OFF position and placing the pad in it's position. Now flip leak switch in the ON position.

NOTE:

Be sure to remove the leak pad from it's plastic wrapping.

If any moisture is present, the leak pad will soak it up and trigger the switch and shut off the system.

Filter Change Page 32 in User Manual

Step 6

Remove leak pad before servicing system with filter changes.

A. First flip leak switch in the 'OFF' position.
B. Use any needle to be pressed into the pad to easily remove the pad.
C. Make your service changes and restart machine following the user manual , page 15-A, B, C, D, E. Be sure to lower the leak detector lever turning system on.
D. Once system is in working order, making sure system pool is completely dry. Lift lever of leak switch and place leak pad back into detector and closed switch to the 'ON' position.

WOWRO 180 Kit Conversion

For the WOWRO 180 conversion, follow the same mounting and tubing installation procedures as the WOWRO 50. Steps 1, 2, 3, 4, 5 of this document.

INSTALLERS!

You must remove and replace the green flow control pin to a blue pin from the 50 gpd to the 180 gpd flow controller pin.

Green tip Diameter is .064 for a 50 gpd and the blue tip is .059 for a 180 gpd.

This flow pin will give system ample flow to prevent over concentrating the membrane.

Simple removal-unscrew pin from CPU Valve, taking care not to strip threads.

Applying the new blue flow pin-make sure the new pin has a new o-ring (included with pin).

Gently start the threads in reverse to find the lead thread and reverse in the installing direction. Twist until o-ring touches the CPU Valve body. Finger tight only! No tools!

Troubleshooting

PROBLEM	REASON	SOLUTION
System won't make water	Leak switch has been triggered to the 'OFF' position.	Remove swollen leak pad, switch to the 'ON' position and investigate for a leak and repair. After repair, replace leak pad and restart.

NOTE:

It is possible that leaks from other appliances or other water sources may be received into the leak system pool, triggering the system in the 'OFF' position.

Customer should investigate then make the appropriate calls.