



RHG 3 Stage 12 Volt User Manual

RHG Products Company
www.rhgproducts.com
303-663-1779

New Machine Setup Procedure

1. Unpack unit and inspect for any damage that may have occurred during shipping.
2. Be sure to inventory all items that were to be included with your order.
3. Any damage or missing components must be reported within 24 hours to the supplier of your system.
4. For your convenience, your system has been shipped fully assembled.

Operation Instructions

1. Connect the red bypass hose to the bypass valve at the back of the unit and open the waste valve fully.
2. Remove the plug from the outlet of your carbon pre-filter and follow the instructions.
3. Attach a garden hose to the inlet of your system.
4. Turn tap water supply on.
5. Turn on the pump/motor assembly via the switch at the back of the unit.
6. As water begins to flow out of the bypass hose, slowly close the bypass valve all the way. Although the valve is fully closed, water will still flow out of it. This is normal.
7. You should expect to see about 100-150 PSI on your pressure gauge during operation.
8. The system has a built in self-regulating feature that helps to maintain constant pressures.
9. At this point you should have pure water flowing from the outlet of your system.
10. Note, when you turn off the water supply at your pole, the pump will still run. This is normal.

Shutdown Procedure

1. Turn the pump/motor assembly switch to the off position.
2. Open the bypass valve fully to flush the system.
3. Turn off the water supply to the unit.
4. Disconnect the water supply.

It is important to always flush the system after each use. Failure to do so will decrease the filters life.

Maintenance

There is a built in TDS meter on your cart. This meter is there to help you monitor the systems performance. Below is information pertaining to that meter.

1. Your RHG Cart is equipped with a dual TDS Monitor. This monitor measures the water quality coming out of the RO and DI part of the machine.
2. The 1st reading your TDS meter gives is the water quality coming out of your RO membrane/s. It is important to monitor the water quality coming out of the RO so that you know how your system is performing. The RO membranes are rated to remove 90% or more of all TDS in the inlet water. If your membrane is not removing this level of impurities then it is best to replace them with a new membrane/s. The higher the level of impurities coming out of your RO membranes/s the less volume of water your DI will purify.
3. The 2nd reading your TDS meter gives is the water quality coming out of your DI and on to your pole. If the TDS rises above 010 it is best to replace the DI cartridge.
4. IMPORTANT: Your TDS meter is water resistant, NOT water proof, so avoid getting water on the meter.
5. It is important to replace the filters and components on your RHG Cart with replacement filters made by RHG.

The carbon/sediment cartridge needs to be replaced every 6 months to protect the RO membranes. Failure to do so will void your warranty.

Removal and installation of components

Filter location and orientation.

All of the filter cartridges on your RHG cart are clearly labeled and some instruction regarding the care of them is included. Should you require a refresher of which filter is which, here it is.

While looking at your cart from the front, the left most filter is the Carbon, to the right is the RO membrane/s, and the far right filter is the DI.

The filters are all held into place with the RHG filter clamps. The connections on the filters are all on the back of the filters with the exception of one connection on the top of your RO Membrane/s.

To remove a filter that needs to be replaced, simply disconnect the fittings and pull the filter out of its clamp and off the frame.

To install the new filter, push the filter into the clamp securely and reconnect the fittings. Be sure to run water through the system without

the motor/pump assembly powered on to purge all air out of the system before powering the cart back up.

Any alterations to your system will void its warranty.