



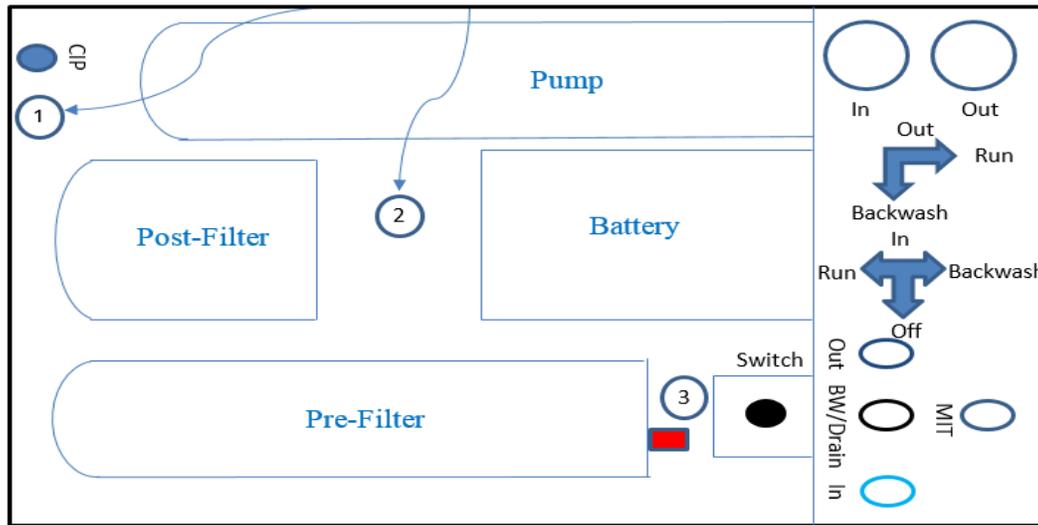
Versa Fresh Pak Manual

High Technology/Low Maintenance/Portable Water Purification system



1. Versa Fresh Pak Water Purification
2. 62 Watt foldable Solar Panel
3. Pump Strainer/suction hose
4. Influent line
5. Backwash drain line
6. Wall power extension line

Before Starting



①-Solar Power Plug ②-Wall Power Plug ③-Red Power Switch

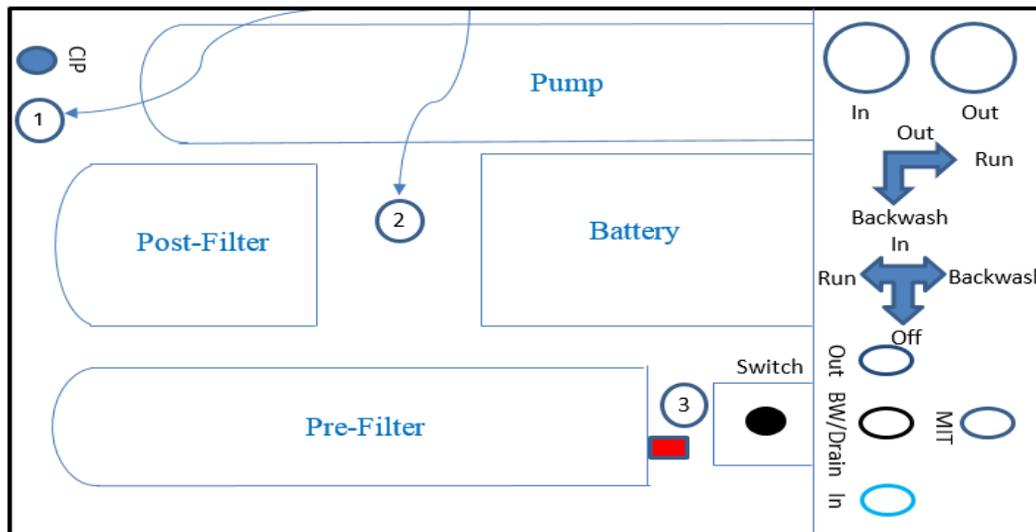
This only has to be performed prior to your first use of the Versa Fresh Pak.

When you first get your Versa Fresh Pak the membrane is preserved with food grade glycerin that needs to be flushed out. This is a simple procedure that just takes about 10 minutes using the 2 gray control valves on the Versa Fresh Pak control panel.

1. Take out the pre filter and post filter to complete this procedure
2. The **Out Valve** should be in the **Backwash** through the entire procedure
3. To flush the membrane set the bottom **In valve** in the **backwash** position
4. Set up your Versa Fresh Pak with **suction**, **influent**, and **backwash** drain hoses
5. Put the **suction hose** into a clean bucket of water and the backwash drain line to another bucket for later disposal
6. Turn the Versa Fresh Pak **Switch** on and let the system prime itself
7. Turn the **In valve** to **Run** position and pressurize the membrane influent and effluent to about 60 psi
8. Turn **In valve** from the **Run** position to the **Backwash**, you will notice about 10 seconds of water pressure coming out of the backwash line, this is flushing the membrane
9. Repeat step 7 and 8, 20 times to get a good membrane flush, this will take several minutes to complete

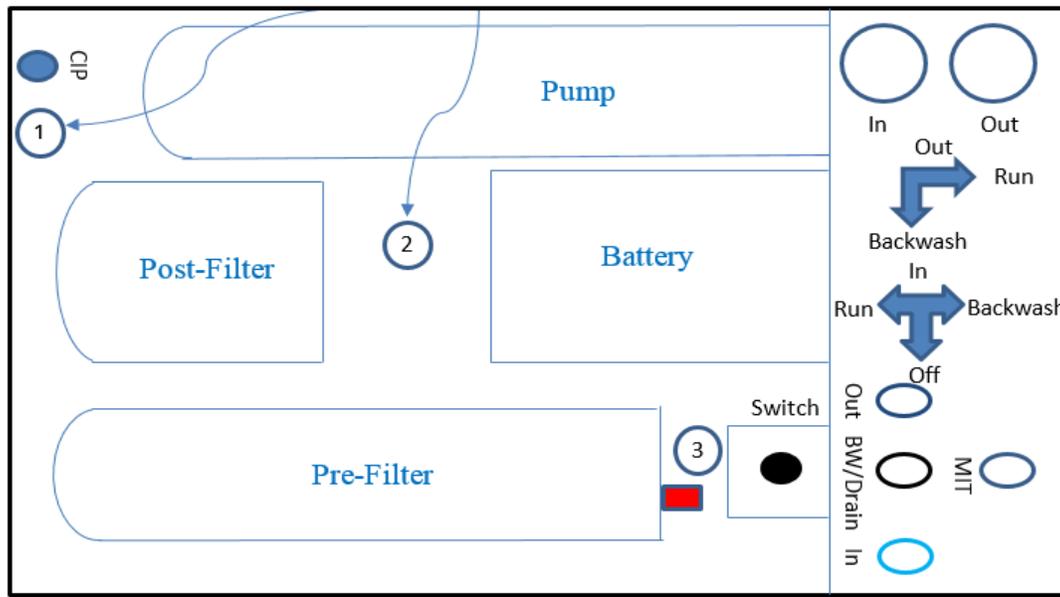
10. Flush complete prepare for use, replace pre filter and post filters and put them back in the system, put **Out Valve** in **Run** position and **In valve** to **Run** position
11. Now your Versa Pak is ready to use, turn on the pump and let the system pressurize

Getting Started



1. Plug suction line (line with Strainer) into the **In** push to connect fitting
 2. Plug effluent (finished water) line into **Out** push to connect
 3. Place suction strainer into water to be treated
 4. Set **Out Valve** to the **Run** position and **In Valve** to the **Run** position and then turn on the Versa Fresh Pak by flipping **Switch**
 5. If unit does not prime, press the red button on Pre-filter (③) and hold for a few seconds, then release
 6. Run Versa Fresh Pak for a few minutes to flush
 7. To turn off Versa Fresh Pak, push down on the power **Switch** and let drain. As soon as both gauges read 0 psi, turn **Out valve** to **Backwash** and **In valve** to **Off**
 8. Remove both **In** and **Out** lines from push to connects and insert plug before transport
- ❖ Do not use on raw water of unknown chemical water quality, fresh water ONLY! This system is designed for treating particulate, turbidity, bacteria, virus and cysts. To be operated by qualified and trained personnel ONLY!

Maintenance



Backwash Procedure:

1. Insert **BW/Drain hose** push to connect and secure the other end away from any equipment
2. With the Versa Fresh Pak operating, turn the **Out valve** to **Backwash** and wait till the gauges reach 60 psi
3. Turn off Versa Fresh Pak by pressing down on the red **Switch**
4. Turn **In valve** to **Backwash** and let the system drain
5. Once Drained, turn the **In valve** back to **Run** and **Out valve** to **Run**
6. Repeat step 2, 3, 4 and 5, at least 2 to 3 times to get a good membrane flush
7. Backwash procedure complete, to return system back to normal operations see Operations Instructions above

Membrane Integrity Tester (MIT) Procedure:

1. With the Versa Fresh Pak operating, turn power off by pressing down **Switch**, wait till pressure gauges reach 0 psi.
2. Turn **Out valve** to **Backwash** and **In valve** to **OFF**

3. Insert the 1/4" MIT Pump Assembly into the **MIT** push to connect
4. Open blue **JG Valve** on bottom of the MIT push to connect
5. Use the hand pump and pump the system up to 14 psi. on the **Out gauge** (approx. 5 pumps) and let stabilize for 2 minutes
6. If needed, pump back up to 14 psi. after stabilization
7. Start test by closing JG Valve on bottom of the **MIT** push to connect and remove the pump
8. Let pressurized (14 psi.) system sit for 5 minutes and check **Out gauge**, if you lose less than 2 psi. you have passed the MIT test
9. If pressure loss is greater than 2 psi. check system for leaks, if no leaks are present restart test
10. Once MIT is completed and passed, switch **Out valve** to the **Run** position to allow all air to drain. To return system back to normal operations see Operations Instructions above

Clean in Place (CIP) Procedure:

1. If Versa Fresh Pak is operating, turn off by pressing red power **Switch** and let system drain until both gauges read 0 psi
2. Turn **Out valve** to **Backwash** and **In valve** to **OFF**
3. Using the **Filter Wrench** loosen post filter housing and remove the post filter
4. Remove plug from **CIP port (JG Valve)** connected to yellow 1/4" hose) and insert syringe with 20 mls of Regular Clorox Bleach
5. Open **valve** on **CIP port (JG Valve)** connected to yellow 1/4" hose) and slowly push clorox from syringe until all is inserted into the membrane
6. Close **valve** on CIP port and remove syringe
7. Insert plug back into CIP port, then rinse syringe with clean water
8. Allow system to stand for 1 hour under pressure, after the hour is up refer back to **Backwash Procedure and perform** 10 Backwashes before returning the system to normal operation

Storage:

1. Drain unit by turning system off (press down on red power **Switch**) and wait till gauges read 0 psi.
2. Remove Pre-Filter and Post-Filter cartridges and discard
3. Dry and clean filter housings as good as possible, then screw housings back on (hand tighten only!)

4. Make sure *Out valve* is in the *Backwash* position and *In valve* is in the *OFF* position
5. Remove plug from *CIP port* and add 1 ml. of Regular Clorox Bleach using the CIP syringe
6. Close the CIP port valve and remove the syringe once all bleach is inserted
7. Put plug back into the CIP port and rinse syringe with clean water
8. System is now ready for storage

Replace Pre Filter and Post Filter Cartridge:

1. Drain unit by turning system off (press down on red power *Switch*) and wait till gauges read 0 psi.
2. Using the Filter *Wrench* loosen filter housing
3. Replace filter cartridge
4. Hand tighten housing only! Be very careful not to overtighten! (Housing has an O-Ring to ensure proper seal)

Limited Warranty

The Versa Fresh Pak portable unit is warranted for a period of one (1) year from the date of purchase against defects in material and workmanship. This warranty covers original components installed by W. S. Darley & Co. at our factory. Expendable items (battery and filters) are not covered under this warranty. This warranty is void if equipment is not installed and operated according to the instructions as listed in the Manual. It does not apply to damage caused by abuse, accident, neglect, freezing, fire, or other abnormal conditions beyond the company's control. This warranty is void on any part from which the original manufacturing date code decal has been removed or made illegible. This warranty requires the use of W. S. Darley & Co. authorized replacement parts. All models must be operated and maintained in accordance with this Manual. All defective parts must be returned to W. S. Darley & Co. for inspection and repair or replacement. Contact factory for a Return Materials Authorization Number prior to shipment. W. S. Darley & Co. will inspect, test and determine cause of defective component parts. W. S. Darley & Co. will have final determination as to which component parts are replacement of total units; and the cost of labor, new components, handling and packaging. Defective parts must be sent prepaid freight. W. S. Darley & Co. will not be liable for any labor charges other than factory repairs. Incidental or consequential damages are not covered by this warranty. All claims must be submitted in writing to your ultraviolet equipment supplier within thirty (30) days from the discovery of the defect. Thereafter, your ultraviolet equipment supplier will correct defective parts and/or workmanship within sixty (60) days from the time of receiving this notice. This warranty is valid once the customer completes the applicable Warranty Form. These forms must be sent back to the pertinent distribution center to keep on file.



Warranty Registration Card

Thank you for purchasing Versa Fresh Pak water purification system. To register your warranty for this product, complete the information below, tear off the card and then send to the above address. Thank you for choosing Darley.

Name: _____

Address: _____

City/State/Zip code: _____

Telephone: _____

Model purchased: _____

Date purchased: _____

Serial Number: _____

Detailer from which Purchased: _____

May we e-mail you information on other Darley products and promotions?

Yes: _____ No: _____

If yes, please provide your e-mail address: _____

Your e-mail address will not be disclosed to any third party.