

Daily Check List –Trader Joes

Date	VRTX Pressure Hi	Filter Pressures In/Out	Conductivity Reading/Set Point	Basket Cleaned?	Alarms? Comments	Tech
Original--	74	25/23	2600 / 2850			
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Instructions:

There are several items on the EcoWater CHC skid that should be checked each day, while other items require service on an as needed basis. These steps call out what to look for and check and how to record your daily findings in a manner that will be easy to verify. Please use the Operation Manual to understand specified parts and or readouts.

If you have any questions about this check list, please contact Ecowater CHC's Service Department.

Daily checks:

1. When you walk up to the unit you should hear a high pitched CHC noise coming from the Cavitation Chamber.
2. Record the VRTX pressure from the gauge on the black Cavitation Chamber (labeled VRTX pressure). This pressure is normally around 72-76 PSI and should not be below 65 PSI.
3. On the Blue Centrifugal Separator you will find gauges on the side connector as well as the top connector. The gauge on the side is the inlet pressure reading and should always be above 20 PSI. The gauge on the top connection is the filter outlet pressure gauge, record these readings.
4. On the upper right hand corner of the PLC you will find the conductivity reading, record this reading on your check sheet.
5. Just below that reading is one labeled Bleed, this is the hi conductivity set point and it too should be recorded on the check sheet. If at any time you find the conductivity reading above the set point by at least 200, this could indicate a problem and Ecowater should be notified.
6. If you press the F4, Bleed button on the PLC you will be taken to a bleed set point screen. You will notice that the F1 button is now labeled "Bleed Test" If you press this button the actuated valve under the centrifugal separator should change position for a period of 20 seconds and then return to normal operation. Please verify the valve opens and closes.
7. Under the Filter Label on the PLC's screen, the system alarms will be shown, please record any alarm condition on the check sheet.
8. If the CHC pressure and the Filter pressures are low as indicated in the steps 2 and 3, this is an indication that the basket on the basket strainer, in front of the skid on the suction piping should be cleaned. Turn the pump powers switch OFF, close the butterfly valves on either side of the basket strainer. Unscrew the retainer bolt on the top of the strainer, remove the lid and the basket. Dump out the debris from the basket and then place the basket back into the strainer. Secure the top back in place, open the valves, and turn the pumps back ON. Verify that the pressures have returned into normal operating conditions.