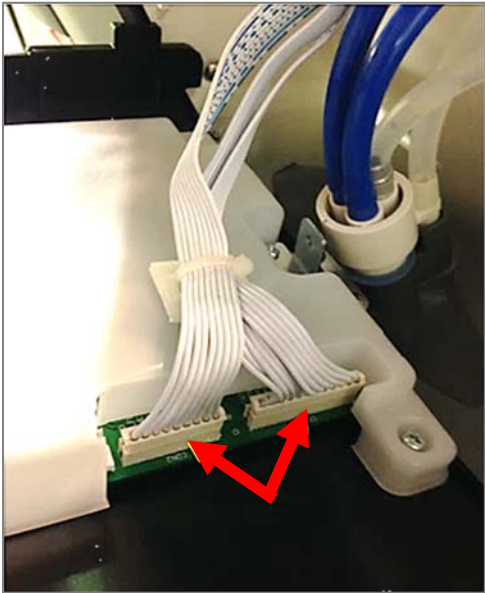


DISPENSE TROUBLESHOOTING INDEX

1. Unit is dispensing water intermittently / irregularly
2. Run-On
3. Low Flow of Water

1. Unit is dispensing water intermittently / irregularly

Possible Reason	Solution
<p>Ribbon Connectors are not fully engaged</p>	<p>Verify ribbon connectors are properly engaged and fully seated in front PCB (Printed Circuit Board) to avoid intermittent / connectivity issues anytime the front Hatch Panel is accessed.</p>
	
<p>Too much water pressure. Recommend 40-60 psi for the WL500 Water Treatment System to operate properly.</p>	<p>The correct input water pressure is critical to the performance of the unit to allow solenoids to open.</p> <p>Check water pressure at the inlet bulkhead with a water pressure gauge.</p> <p>Additional method of verification is to turn off water to unit and press the dispense button. Does the solenoid open without water pressure to the unit? Listen for solenoid to activate (not just the dispense button “click”)</p> <p>Adjust water pressure to 40-60 psi.</p>

2. Run On

“Run On” or “Carry On” is present in all Waterlogic pressure fed units without outlet solenoids. “Run On” is defined as the amount of water that continues to dispense out of the faucet after releasing the dispense button. Run On exists because the tanks pressurize as water is being dispensed. Every Waterlogic tank has an outlet restrictor to ensure the tanks remain full of water and water is controlled as it is released to the faucet. The inlet solenoid controls flow into the tanks. The tanks will “depressurize” once the dispense button is released the inlet solenoid closes. A small amount of water will “Run On” through the faucet as the tank depressurizes to atmospheric conditions. Typical “Run On” is 2-3 seconds. “Run On” can be reduced by installing a pressure limiting device.

The amount of inlet or supply pressure directly impacts the amount of “Run On” as quantified below.

WLCP Lab Testing of Rn On 7-31-2013				
Pressure	Pressure	Time	Flow Rate	Run On
Static PSI	Dynamic PSI	4 Liters	l/min	Seconds
68	40	61	2.9508197	3
50	30	72	2.5	2.5
32	20	92	1.956217	2
Pressure measured at inlet line to unit. Static with unit closed. Dynamic with unit dispensing cold-water.				
No Filters were installed in unit.				

3. Low Flow of Water – Rated Service Flow is 1.89 Liters (0.5 gallons) per Minute

Possible Reason	Solution
Determine Flow of Water	Rated Flow Rate is 1.89 Liters (0.5 gallons) per minute. Check flow rate by dispensing into a container to measure for one minute and measure the amount of water that was dispensed.
Feed Lines too small	Feed lines can restrict flow if run long distances from the supply. It may be necessary to increase the supply line (e.g., use 3/8” feed line vs. 1/4”).
Elbows and turns in the feed line	Minimize elbows and turns in the feed line.
Filters	Filters with high pressure drop due to fouling or just by design. Change filters more frequently or go to higher micron size filter for local water conditions.
Restrictions	Follow flow path to ensure there are no undiscovered restrictions due to debris or malfunctioning valves, including the supply valve at the source.
Booster Pump	Add a booster pump to the supply line if the feed is slower than needed.