

VARIABLE SPEED IRONHEART START-UP CHECK LIST

JOB NAME: _____ PRODUCTION #: _____

START UP BY: _____ COMPANY: _____

DATE: _____

1. Check for overall proper installation. The system should be anchored.
2. Close the discharge isolation valves, then open the suction valves slowly.
3. Vent the pumps and sensing lines until the water runs clear.
4. Check your control panel. Ensure that all components are present and firmly attached. Check for loose wires.
5. Check voltage of incoming power against the panel data sheet. Check L1, L2 & L3 legs for proper voltage (10% max variance allowable).
6. Check the HydroCumulator tank charge pressure against the system data sheet.
7. Turn the control panel power "on" and look for the "power on" light.
8. Verify the system setup by entering the "Restore Defaults/Setup" Button. If you don't know the required passwords or system settings, DO NOT PROCEED! Call SyncroFlo Technology Service with the system production number.
9. Turn on "manual" speed through the OIT. Check the settings for VFD speed. Bump each pump in "Hand" to verify rotation.
10. With all settings verified, place the Speed Control back in the "Auto" setting.
11. Check with the contractor to be sure the plumbing system is tight. All open pipes should be capped, valves should be shut, etc. Is the building pressurized?
12. Slowly open the discharge valves. Look for any leaks on the system.
13. Run the system in automatic, verifying that all sequencing is normal. Increase the flow to the system design maximum, if possible. Reduce the flow to zero and confirm that all pumps turn off. The operational settings will affect the way the system sequences. It is critical to understand how they interact during operation.
14. Record all settings, power and pressure readings. Complete the start up acknowledgment form and return it to SyncroFlo. Attn: Service Dept.