



Variable Speed IronHeart Start-up Check List

Job name: _____ Production #: _____

Start up by: _____ Company _____ Date ___ / ___ / ___

- 1) Checked overall proper installation. System should be anchored.
- 2) Close the discharge isolation valves then open suction valves slowly.
- 3) Vent Pumps and sensing lines until 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 panel data sheet.
Check L1, L2 & L3 legs for proper voltage (10% max variance allowable).
- 6) Check HydroCumulator tank charge pressure against system data sheet.
- 7) Turn control panel power "on", look for "Control Power" light.
- 8) Verify 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 Tech. Service with the system production number.
- 9) Turn on "manual" speed through the OIT. Check 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 contractor to be sure plumbing system is tight.
All open pipes capped, valves are shut, etc. (Is building pressurized?)
- 12) Open discharge valves.....slowly. 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 all 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.

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