Prior to Startup – Review Pre-Startup Checklist:

- Insure all valves to system are shut off.
- Outlet for pump electrical supply is properly connected (plugged in for single phase; hard wired for 3 phase).
- All sensors and external inputs are connected to the pump station ports.
- Feed water line is connected to pump station Slip-Lok with inlet valve on pump.
- Water treatment has been installed, started up (if provided by others) and is in "run" mode. To better utilize start-up time, some special instructions may be provided ahead of time for water treatment system.
- Drain lines from the pump (electric drain valve or 3/2 valves) are plumbed appropriately to feed water supply to pump station via bladder tank with check valves OR drain line(s) plumbed directly to drain if not using the Bladder tank.
- Interconnecting high pressure water lines have been installed per instructions and schematics.
- Interconnecting electric lines/control wiring has been installed per instructions and schematics.
- Fan(s) are completely operational. *Fan toggle switches are provided to test each zone fans separately.*
- All high pressure water lines are terminated per schematic.
- Nozzles are installed in all nozzle ports on fan mist rings (finger tight with optional 1/4 turn more maximum).
- All high pressure lines have been properly flushed of any potential debris.

Startup Procedures:

1. Insure on/off switch on pump cabinet is in the "ON" position.
2. Set zone humidistat to a high enough setting to get system to energize.
3. When pump energizes, observe pressure gauge. It should build to 1,000 psi well under a minute.
4. There is a high pressure switch that will shut the system "off" if 540 psi is not reached in a preset limit. This is set from the factory at 60 seconds. On initial start-up, it may be necessary to cycle system on/off several times to fill supply lines with water. After this initial cycling, water is maintained in the lines at low pressure during "off" periods to allow quick restart.
5. If a line breaks, coupling comes apart, or nozzle leaks, allowing pressure to drop below 540 psi, the system will shut-down. Therefore, whenever system shuts down automatically, check to insure there are no leaks before restarting.
6. Insure fan circuit energizes when pump is energized. Fans turn on ten seconds before pump and ten seconds after pump off.
7. When RH = set-point +/- 3% is reached, the system will shutdown the appropriate zone(s). Drain valve will relieve pressure without draining system.
8. When system shuts down, insure fans run for 10 seconds after the pump turns off. The purpose of this delay is to insure the last mist is properly distributed before the fans turn off.
9. Once you have successfully tested each zone, set each zone's humidistat to the desired setting for automatic operation.