

The Pool System Start-Up Procedures

1. Lock out the fan disconnect.
2. Check out fans in the following manner:
 - A. Verify shipping blocks and brackets have been removed.
 - B. Record fan and motor nameplate data.
 - C. Check for proper motor wiring.
 - D. Record fan variable speed drive nameplate data.
 - E. Check for proper variable speed drive wiring. Check all connections for tightness.
 - F. Check all mounting bolts for tightness
 1. Motor mounting bolts.
 2. Isolation spring mounting bolts.
 3. Check hub set screws.
3. Check main power supply in the following manner:
 - A. Remove all fuses for drives and controls.
 - B. Turn control power switch to the off position.
 - C. Apply power to the unit.
 - D. Check incoming voltage at each leg and compare to motor and drive rated voltage.
 - E. Turn control power switch to the on position. Check control voltage. Input control voltage should be 120VAC.
 - F. Remove power from the unit and lockout. Replace fuses.
 - G. Remove power wiring from 24VAC terminal block and from controller.
 - H. Apply power to the unit and check voltage from control transformers. Voltage should be 24VAC \pm 2VAC.
 - I. Remove power from unit and lockout.
 - J. Connect 24VAC to the terminal block and the controller.

4. Check all other components for shipping blocks and/or perform start-up checks as listed in the manufacturer's literature supplied in the maintenance manual.
5. Remove lockout and prepare for full volume test run.

CAUTION: Abnormal air restriction (blocked ducts, closed dampers) can result in dangerous conditions and damage product. Monitor discharge static pressure and do not exceed the maximum that the system can handle.

6. Check controls in the following manner:
 - A. Verify all sensors are working properly.
 - B. Verify range and direction of motion for each damper
 - C. Record damper actuator settings.
 - D. Verify valve range of motion.
 - E. Adjust room temperature and humidity set points if necessary.
7. Check fan operation in the following manner:
 - A. Turn on unit using BACstat on button.
 - B. Verify proper rotation for each fan.
 - C. Verify that drive output amperage on each leg of power for each fan matches motor rating.
 - D. Adjust each fan high limit set point to avoid overloading motor or drive if necessary.
8. Date, compile and save recorded data, start-up checklist, and total volume CFM (if available), for your records.

If these instructions or any other part of the manufacturer's instructions are not clear, please contact us for clarification or assistance.