

AIR ZONE INTERNATIONAL

CUSTOMER SERVICE DEPARTMENT
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Column Unit Startup Check List

ALL REQUESTS FOR FACTORY ASSISTANCE MUST BE ACCOMPANIED
BY THE SPECIFIC UNIT'S SERIAL NUMBER

General

ALL YELLOW SHIPPING BLOCKS MUST BE REMOVED ALONG WITH THE BOLTS, NUTS AND WASHERS THAT HOLD THESE DEVICES. CAUTION MUST BE TAKEN SO THAT LOOSE COMPONENTS DO NOT FALL INTO THE LOWER PART OF THE COLUMN UNIT. THERE ARE FOUR (4) SHIPPING BLOCKS, TWO (2) IN THE FRONT OF THE UNIT AND TWO (2) IN THE REAR OF THE UNIT. **THESE YELLOW SHIPPING BLOCKS MUST BE REMOVED PRIOR TO PLACING THE UNIT INTO THE COMPACT MECHANICAL ROOM.**

Yes_____

BLOWERS

All blower wheels should rotate freely and should be rotated by hand any noise, rubbing or clicking sound is not normal. If sounds are observed inspect carefully and consult with the factory

Yes_____

CAUTION: Do not operate the blower if there is undue vibration. Such operation can result in bearing failure, sprung shaft, or other serious damage.

The shipping blocks must be removed and the locking nuts on the spring isolators adjusted so that the assembly rides free and properly absorbs the vibration of the fan assembly.

Yes_____

Fan Rotation

Access doors are provided on the front of the unit. The right hand door is designed to open first and quickly for inspection. At start-up the rotation must be verified to verify the fan is rotating properly. The fan rotation direction is marked

Yes_____

Backwards Inclined and Airfoil Fans

Motor amperage should be checked after the connecting ductwork is installed and an air check made on the air distribution system. Qualified start-up personnel must make the setting of the VF drive for proper airflow and static pressure. Be certain to check the motor nameplate for the maximum amperage draw.

Yes_____

VFD Condition

- 1) Is shielded wire installed for external control signals? Yes_____
- 2) Are emergency interlocks terminated at the drive? Yes_____
- 3) Are the motor wires, incoming line power and control wires in separate conduits? Yes_____
- 4) Is all the power and control wiring installed, terminated and ready for power/testing? Yes_____
- 5) Is the system completed and ready for operational testing? Yes_____

External Controls (Automatic)

- 6) Is the automatic speed reference signal calibrated per the system specifications and ready for testing? Yes _____
- 7) Is the automatic control company representative scheduled to be on site while our technician is on site? Yes _____
- 8) Is the control Contractor's wiring complete and operational for a system performance test (including damper or valve control)? Yes _____

Systems Checks

- 13) Is incoming line voltage connected to the drive? Yes _____
- 14) Is outgoing voltage from the drive/bypass connected to the motor? Yes _____
- 15) What type of control signal is being used:
3-15PSI _____ 4-20mA _____ 0-10VDC _____ PID _____ Other _____