

AutoFlush3

| Symptoms | Potential Cause(s) | Corrective Action(s) |
|---|---|--|
| 1. Unit does not operate, no lights shown | 1a. Main power supply is OFF. | Plug in radio, lamp or other device to see if AC wall outlet is working. If not, check fuse or circuit breaker. |
| | 1b. Wires not properly connected. | Check if transformer is properly connected to the AF3 unit and securely plugged into the AC wall outlet. |
| | 1c. Transformer. | Test transformer 24VAC output with multimeter. If faulty, order replacement part # DS00060 |
| 2. Light is on, but water is not draining | 2a. Timer set to longer than expected time interval. | Verify the timer light is on the correct setting. |
| | 2b. Kink(s) in the drain hose. | Check for kinks in drain hose from humidifier to Auto Flush unit and from AutoFlush to floor drain. |
| | 2c. Wrong location. | AutoFlush must be located below humidifier to allow water to drain by gravity. |
| | 2d. Obstruction in drain line and/or valve body. | Disconnect the drain lines and visually check for obstructions. Rinse with water to remove blockage. (also see 3b) |
| | 2e. Ball valve closed. (if installed). | Open ball valve. |
| | 2f. Faulty unit. | To test for proper operation, employ test mode by depressing the time interval selection button for three seconds. If valve does not open with audible 'click' sound, order replacement part # DS00059 |
| 3. Unit Leaks | 3a. Loose drain connections. | Check and tighten connections. Use Teflon tape to ensure proper seal. |
| | 3b. Valve not closing properly due to mineral build up. | Use vinegar, or other safe descaling solution, to flush through the system and remove unwanted mineral accumulation. |

Rotary Disc Humidifier

| Symptoms | Potential Cause(s) | Corrective Action(s) |
|---------------------------------------|--|--|
| 1. Unit does not operate | 1a. Main power supply is OFF. | Plug in radio, lamp or other device to see if AC wall outlet is working. If not, check fuse or circuit breaker. |
| | 1b. Transformer | Check if transformer is securely plugged into the AC wall outlet. Test transformer 12VAC output with multimeter. If faulty, order replacement part #DS00046 NB: if unit is wired to furnace auxiliary board, ensure the furnace is in heating cycle before continuing. |
| | 1c. Mineral accumulation | Ensure the disc wheel is free and clear of obstructions. Clean basin and/or gears if necessary. |
| | 1d. Wiring error | Check wiring diagram in Owner's Manual. Trace wiring and check all connections starting from the transformer to the motor, then motor to the humidistat, then humidistat to transformer. |
| | 1e. Humidistat | Temporarily move dial on humidistat to full 'ON' position. If unit does not respond, go to 1e. |
| | 1f. Motor | Temporarily move dial on humidistat to full 'ON' position. If unit does not respond, remove the humidistat from its holder. Remove the two wires leading to the humidistat and connect these to each other. If the motor starts up, replace humidistat, part #DS00024. If the motor does not start, order replacement motor part #DS00029. |
| 2. Unit will not turn off | 2a. Humidistat | Temporarily move dial on humidistat to full 'OFF' position. If unit stays on, go to 2b. If unit turns off, refer to special bulletin "NOT ENOUGH HUMIDITY?" available from the FAQ section on the web site. |
| | 2b. Incorrect wiring | Check wiring diagram in Owner's Manual and trace wiring and connections starting from the transformer to the motor, then motor to the humidistat, then humidistat to transformer. |
| 3. Unit leaks | 3a. Drain Plug | Check if drain plug and washer are properly centered over the basin drain hole. Check Teflon tape seals around the thread where the base unit is tightened (check tightness) to basin, as well as the thread around the drain cap (check tightness). If leak persists, order replacement drain plug/washer (part #DS00013) and/or cap (part #DS00009). |
| | 3b. Basin not level | Check if hanger plate is mounted on the INSIDE of duct. Check if duct surface is plumb-vertical. If not, use shims to correct leaning. Use level to verify hanger plate is mounted in horizontal plain. If sheet metal duct sags from weight of unit, add bracing across the top of the cut out, or create additional support for unit. |
| | 3c. Float area | Inspect water line for splits. Check nut connection to float for tightness. Verify expander is inserted in water line. If water is 'spitting' through float hole, reduce water line pressure by adjusting (closing off) saddle valve. |
| | 3d. Saddle valve area | Inspect water line for splits. Check nut connection to valve for tightness. Verify water line brass insert and plastic sleeve is in place. Ensure saddle valve clamp screws are fully tightened and cushion pad is centered around piercing pin. |
| | 3e. Overflow hole | Check both 3b and 3c. |
| 4. Float valve will not close | 4a. Debris inside float | Remove lid and disc wheel. Remove cotter pin to dismantle float. Inspect and clean stopper to ensure it seals properly against water intake orifice. Replace stopper if not seating properly (Part #DS00054). See 3b. |
| 5. Lid will not fit on basin properly | 5a. Basin not level | Check if end plates are properly seated inside basin. |
| | 5b. Air inlet plate and/or motor plate | Check if disc wheel is properly positioned in V-groove and axel gear is locked into top of motor gear. |
| | 5c. Disc wheel misalignment | Check if disc wheel is able to rotate freely in the basin without obstructions. Clean if necessary. Check if disc wheel is properly positioned in V-groove and axel gear is locked into top of motor gear. Inspect wheel for damage around end plates where axel enters the wheel. Verify axel is straight. If bent, order part #DS10001. |
| 6. Clicking, or squeeking sound | 6a. Disc wheel 'skipping' | Check if motor or disc wheel gear is clean and teeth are sharp. If teeth are rounded, order replacement gears, part #DS00020. |
| | 6b. Gear | Remove lid and disc wheel and turn unit on. If clicking sound is heard from motor, replace motor (Part #DS00029). |
| | 6c. Motor | Ensure the water level fully submerges the entire disc as it rotates through the basin. If inside edge of disc wheels stay dry, adjust float to raise water level. |
| 7. Deposits accumulate on disc wheel | 7a. Water level | Clear basin of accumulated minerals. |
| | 7b. Dirty basin | The introduction of cold air into the airstream may lead to condensation of the humidified air. Relocate fresh air intake further up stream from humidifier to allow cold air to blend with warmer return air. |
| 8. Deposits on inside of duct work | 8a. Location of fresh-air intake | |