



I. Pulsing failure of all valves, or the same numbered valve on each header.

A. Timer inoperative

Check timer per maintenance instructions in the timer board adjustments section in "Setting Up Your Unit". Check for 120 VAC pulse between each numbered terminal on timer board and solenoid common terminal. Repair or replace timer if necessary.

B. Open or short circuit in wiring between timer and solenoids

Check continuity with ohmmeter or suitable tester and repair as required.

II. Pulsing Failure of Valves at Any Location

A. Plastic plug in solenoid exhaust port

Remove and discard plug

B. Ruptured diaphragm

Disassemble valve in question and inspect diaphragm(s). Replace with a repair kit if necessary.

C. Pinched or plugged tubing between solenoid and diaphragm valve.

Inspect tubing and replace if necessary.

D. Open solenoid coil

Check continuity of solenoid coil with ohmmeter (200-300 OHMS). Replace if necessary.

E. High pressure tubing connected to both sides of the solenoid valve.

Remove high pressure from discharge side of solenoid valve, otherwise, the pressure is equal on both sides of the solenoid, not allowing the compressed air to go from high pressure to low pressure.

III. Continuous Passage of Compressed Air through one or more Blowpipes

A. 1/4" OD tubing or fittings leaking or broken

Inspect and repair as required. Always use new ferrules in fittings when replacing copper tubing.

B. 1/4" OD tubing connected into solenoid exhaust port.

TROUBLESHOOTING

The Compressed Air System



Note: When correctly connected, the letters "IN" will be visible on the valve body next to the 1/8" NPT fittings.

Open solenoid box and remove the core tube retainer from solenoid in question. Remove valve core assembly, being careful not to lose the gasket. Remove tubing from compression fitting; change fitting to inlet port on valve body and reassemble.

C. Solenoid armature not seating properly: (a steady flow of air from the solenoid exhaust port is felt by placing a finger over the port.)

Remove valve core from solenoid in question. Remove particles of dirt, scale, or rust from the valve body and from around the armature. Check for smooth action and reassemble.

D. Diaphragm valve air bleed hole or passage restricted.
Disassemble and inspect the diaphragm valve in question as follows:

- * 3/4" valves - check for plugged air bleed hole in diaphragm
- * 1" valves - check for plugged air bleed passages in valve body and cover.
- * 1-1/2" valves - check for plugged or restricted air bleed passages.



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