

HOW TO KEEP VALVES WORKING PROPERLY AND NOT STICKING OPEN OR CLOSED



Everyone seems to blame the valves when they stick or malfunction. It is NEVER the valve. It is always wiring or debris introduced from your system. IF YOU DO WHAT I SAY... You will never have a problem

Ever installed a home sprinkler system? If you do not flush out your lines before you turn on the valves, debris (small rocks, sand, glue, pvc shavings) will find its way to the diaphragm, causing it to stick open and the water does not shut off. (air keeps leaking)



Even if you properly flushed the system, you still will get debris circulating from rust in your tank.



Disassemble the top 1/2 of your valve, and exchange it with a valve that does not stick. That will prove the problem. Inspect the very small orifice on the diaphragm shown at the left. Clean it out, it is only about 1/4" deep and it must be 100% free of any dust or debris.

The Air engine shown at the left has the same exact valves and the procedure is the same. You do not have to disassemble the air engine, just remove the solenoid, then remove the diaphragm.



If your tank has pressure (more than 80psi) and your air engine does not deliver air to your bags, then remove the check valve and clean out the debris

check valve. Make sure no debris

BUILD YOUR SYSTEM CORRECTLY IN THE BEGINNING AND NEVER HAVE A PROBLEM



UPGRADE to a stainless steel, or aluminum tank. They do not form rust in the bottom like on a mild steel tank.



UPGRADE to a drain valve for the bottom of your tank. Water condenses in the bottom of your tank, even with a filter installed. You must remember to drain it every few weeks or more often



UPGRADE to Filter that is installed after your air tank. The filter shown at left is an entry level filter that does a good job, but not nearly as good as the filter shown just below, which purges all air and debris from your system when reaching 120psi, shutting off automatically with a timer



UPGRADE a full-blown Mac Truck System like the big boys. Automatically ejects moisture when tank reaches 120psi. Controlled by an electric timer, and comes with Oil Filter type replaceable Cartridge. Does not have to be replaced for over a year.