



Domestic Water Boosters Preventive Maintenance

Within 2-3 days from start up:

1. Remove and clean “flow clean strainers
2. Monitor system for any for any excessive vibration
3. Re-tighten all electrical connections and control tubing compression fittings.
4. If debris is present in the piloting tubing and sensing lines a more thorough cleaning at the valve may be necessary .

Daily

1. Check for normal system operation by monitoring system pressure and normal sequencing.
2. Look, listen and smell for any unusual vibration, noise or odors.
3. Check for leaks of the mechanical seals, controls valves or piloting tubing and components.
4. Record and report any abnormal condition as soon as possible and take corrective actions as needed.

Weekly

1. If lag pumps do not usually run on a regular basis, operate them in “hand” for 10 minutes each.
2. If an automatic alternator is not provided, manually alternate equal capacity pump.
3. Purge air from control valve covers until clear water flows from ballcock.

Monthly

1. Check incoming voltage for level and balance.
2. Record suction and system pressures with a nominal demand on the pump station.
3. Test all alarms.
4. Exercise all ball, gate or butterfly valves.

Semi-Annually

1. Check motor bearing and lubricate if necessary. Do not overgrease as this can cause premature bearing or winding failure.
2. Check system sequencing by generating sufficient flow demand to automatically activate pump station controls.
3. Confirm proper operation of pressure switches and flow sensing devices. Adjust as needed.
4. If a HydroCumulator tank was provided isolate and drain it to verify that the proper precharge is present (see system data sheet precharge information).

Annually

1. Tighten all electrical and hydraulic connections.
2. Check motor and wiring insulation value using a "megger".
3. Check motor winding resistance using an ohmmeter.
4. Check motor amp draw of each motor under a nominal load.
5. Disassemble and inspect pressure regulating valves. Clean and rebuild as necessary.
6. Verify proper pump operation by producing and recording pump shut off/dead head pressure. Record the reading for future comparison.
7. Wire brush, primer and paint any rust spots on skid, manifold, panel stand or pumps.