

TROUBLESHOOTING - EFLS CAST IRON LAWN SPRINKLER PUMP

| Problem | Probable | Cause/Corrective Action |
|---|---|---|
| The motor will not run. | The fuse is blown or circuit breaker tripped. | Replace the fuse or reset the circuit breaker. |
| | The wires at the motor are loose, disconnected, or wired incorrectly. | Refer to the Wiring instructions. DISCONNECT POWER; check and tighten all wiring. check and tighten all wiring. |
| The motor runs hot and overload kicks off or the motor does not run and | The motor is wired incorrectly. Improper wire gauge (10AGW recommended) | Refer to the Wiring instructions. |
| | The voltage is too low. | Check with the power company. Install heavier wiring if the wire size is too small (See the chart in the Wiring section). |
| The motor runs but no water is delivered. | The pump was not primed correctly. | Re-prime according to instructions. *Stop the pump; then check the prime before looking for other causes. Unscrew the priming plug and see if water is in the priming hole. |
| | There are air leaks in the suction line. | Check all connections on the suction line and shaft seal and AVC with shaving cream. |
| | The foot valve or check valve is leaking. | Replace the foot valve or check valve. |
| | The pipe size is too small. | Re-pipe using the same size suction pipe and as the pumps suction ports on the pump. |
| | The water level is below the suction pipe inlet. | Lower the suction line into the water and re-prime. If receding water level in the well exceeds 20 ft. (6.1M), a deep well pump is needed. |
| | The impeller is plugged. | Clean the impeller. |
| | The check valve or foot valve is stuck shut. | Replace the check valve or foot valve. |
| | The pipes are frozen. | Thaw pipes. Bury the pipes below the frost line. Heat pit or pump house. |
| | The foot valve and/or strainer are buried in sand or mud. | Raise foot valve and/or strainer above bottom of water source. |
| The pump does not deliver water to full capacity. | The water level in the well is lower than estimated. | A deep well jet will be needed if your well is more than 20 ft. (6.1M) depth to water. |
| | The discharge pipe is full of material causing excess friction. | Replace with plastic pipe where possible, otherwise with new steel pipe. |
| | The piping is too small in size. | Use larger piping. |
| | The pump is not being supplied with enough water. | Add additional well points. |
| The pump leaks around the clamp. | The clamp is loose. | STOP THE PUMP. Tighten the clamp nut 1-2 turns. Alternately tighten and tap on the clamp with a mallet to seat the O-ring. Do not overtighten. |