

# TROUBLESHOOTING - EFLS PLASTIC LAWN SPRINKLER PUMP

Problem	Probable	CauseCorrective 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.