Troubleshooting

Problem	Probable Causes	Corrective Action
Motor will not start	No power to pressure switch due to blown fuses, open switches, or loose connections	Check all electrical connections for security. Check breaker and fuses.
	Pump pressure switch is not closed	Close pump pressure switch.
Pump fails to deliver water	Pump not completely primed	Prime pump.
	Suction lift is too great	Relocate the pump closer to the water source.
	Foot valve is either not submerged, buried in mud, or plugged	Inspect foot valve, making sure it is submerged. Clean or replace as needed.
Pump loses prime	Air leaks in suction line	Inspect suction line. Repair or replace as needed.
	Well draws down too far	Move pump closer to water source.
	Faulty foot valve	Inspect foot valve. Clean or replace as needed.
Pump delivers water, but not at rated capacity	Leaks in suction or discharge line.	Inspect the suction and discharge lines. Clean or replace as needed.
	Foot valve, suction line, impeller, or nozzle are partially plugged	Inspect parts. Clean as needed.
	Suction lift is greater than recommended	Relocate the pump closer to the water source.
	Improper impeller rotation or low speed	Ensure proper gauge wire has been used.
	Venturi or diffuser is plugged.	Clean as needed.
	Motor is wired for improper voltage	Check to ensure voltage indicator on pump matches voltage at power source.
	Motor does not come off starting windings (improper motor switch adjustment)	
Pump starts and stops too often	Faulty air volume control	Replace air volume control.
	Air leaks in tank above the water level	Check fittings. Replace tank.
	Incorrect setting on the pressure switch	Adjust setting on pressure switch. Refer to "Changing the Voltage" on page 5.