TROUBLESHOOTING

Problem	Probable Cause	Corrective Action
The pump will not prime	Air is leaking into the inlet hose or connection	Replace the washer in the hose fitting or replace the hose
	The inlet hose is clogged	Clean or replace the hose
	The hose collapsed due to inlet line suction on a flat surface	Use quality, heavy duty, thick-walled hose on suction side of pump Notch the end of the inlet line where it meets the flat surface, use suction rated hose
	The impeller, body, and end cover are worn from pumping abrasives	Replace the pump
	The impeller blades are missing or charred from dry running	Replace the pump
	Air is leaking in at the seal or O-ring	Incrementally snug the screws on the front cover plate to seal the O-ring. Disassemble, clean and lubricate all components and seals. If O-ring or Shaft seal is damaged, replace the pump
	The shaft turns but the impeller does not turn	Replace the pump
	Drill speed is too slow	Increase drill speed
There is a low flow rate	The drill is running too slowly	Increase the drill speed. Minimum dril speed for acceptable operation is 800 RPM. Optimal drill speed is 3500 RPM
	There is a restriction in the inlet or discharge hoses	Clean or replace the hoses. Check hoses to eliminate any sharp bends or kinks in the lines
	The suction hose is too long, the diameter is too small and/or the pump is too high above the liquid surface	Use appropriate hose and pumping setup to maximize performance
Liquid is leaking where the shaft enters the pump body	The lip seal is damaged	Replace the pump