

TROUBLESHOOTING - SUP54 SUBMERSIBLE UTILITY PUMP

Problem	Cause/Solution
The pump does not run and makes a humming	The line circuit breaker is off, or the fuse is blown or loose.
	The pump electrical cord plug is not making contact in the receptacle.
	If all of the above are OK, then the motor could be malfunctioning.
	The plug is submersed in water causing the circuit breaker to open.
The pump runs but does not deliver water.	Check valve in the system may be installed backwards. The arrow on the valve should point in the direction of flow.
	The impeller or volute openings are fully or partially clogged. Remove the pump and clean.
	The pump is air-locked. Start and stop several times by plugging and unplugging the cord and tip pump 40-45 degrees purging air from pump.
	The inlet holes in the pump base are clogged. Remove the pump and clean the openings.
	The vertical pumping distance is too high. Reduce the distance or change the discharge fittings of the pump.
	There may be enadequate water depth to pump. Note: must exceed 1/8".
The pump runs but only delivers a small amount of water.	The pump is air-locked. Start and stop several times by plugging in and unplugging the cord and tip pump 40-45 degrees to side.
	The vertical pumping distance is too high. Reduce the distance or change the discharge fitting of the pump.
	The inlet holes in the pump base are clogged. Remove the pump and clean the strainer and openings.
	The impeller or volute openings are fully or partially clogged. Remove the pump and clean.
	The pump impeller is partially clogged with tar or paint, causing the motor to run slowly and overload. Remove the pump and clean.
The fuse blows or circuit breaker trips when the	The pump impeller is partially clogged, causing the motor to run slowly and overload. Remove the pump and clean.
	The motor stator may be defective.
	The fuse size or circuit breaker may be too small (must be 15 A).
	The impeller or volute openings are fully or partially clogged. Remove the pump and clean.
The motor runs for a short time and then stops.	The inlet holes in the pump base are clogged. Remove the pump and clean the openings.
	The pump impeller is partially clogged, causing the motor to run slowly and overload. Remove the pump and clean.
	The motor stator may be defective.
	The impeller or volute openings are fully or partially clogged. Remove the pump and clean. Also clean the strainer if one is installed.