

Fault	Problem cause	Solutions
Pump won't start	Stone or foreign object lodged in impeller	Dismantle pump and remove foreign object
	Thermal overload has opened circuit	Allow unit to cool, restart after reason for overload has been determined
	Motor shorted out	Replace motor
Pump will not deliver water or develop pressure	No priming water in casing	Fill pump casing
	Mechanical seal leaking	Replace mechanical seal
	Foot valve or check valve is leaking	Replace valve
	Discharge line is closed and priming air has nowhere to go	Open the discharge line
Little or no discharge	Impeller damaged	Replace impeller
	Casing not initially filled with water	Fill pump casing
	Total head too high	Shorten suction and/or head
	Suction lift too high, or too long	Lower suction lift, install foot valve and prime, or shorten length of suction line
Pump leaks at shaft	Worn mechanical seal	Replace mechanical seal
	Worn motor bearings	Replace bearings
	Foreign material in pump	Dismantle pump and clean
	Mounting plate or foundation not rigid enough	Reinforce the mounting plate or foundation
Pump will not prime	No priming water in casing	Fill pump casing
	Foot valve or check valve is leaking	Replace valve
	Suction line or valve is closed	Open the suction line