

Troubleshooting Guide

Symptom	Probable Cause	Remedy
Pump won't prime or lift	Trying to self prime over 6 ft. vertical lift	Reduce lift to 6 ft. or install check valve on end of inlet line
	Pump impellers are not sealing properly	May need to replace Wiper Blades in impellers
	Line plugged or filter clogged	Flush line & clean filter
	Suction line flush on bottom of drum or tank	Suction line needs 1" clearance on all sides
	Loose or unsealed fittings	Check all fittings for proper sealing
	Pin holes in the hoses	Check hose for air leaks or pinholes
	By-pass valve stuck open	Remove black caps on by-pass and check for lodged objects in spring or valve

Symptom	Probable Cause	Remedy
Motor tripping circuit protector shutting motor off	Circuit breaker too small or overloaded	Check power outlet to make sure the pump is supplied with the proper voltage and amps
	Outlet hose or pipe too long creating too much head pressure	Make sure you have proper PSI spring in by-pass and horse power to pressure
	Reducing Inlet/Outlet too small or overloaded	Inlet/Outlet Hose are in correspondence with the ports on your pump. We do not recommend reducing smaller than actual size of pump
	Pumping too viscous of products	Make sure you have the correct Gear Reducer for the products being pumped

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Pump is not producing the proper GPM (Gallons Per Minute)	By-pass is opening	By-pass will open with 20 PSI head pressure. Contact our office for proper PSI spring to fit your application
	Inlet/Outlet has been reduced	These are Positive Displacement pumps. Reducing inlet/outlet hoses will decrease flow rate