PUMP
Troubleshooting Guide

SYMPTOM:	Noise	Pump Cycles On-Off-On	Pump Won't Start	Pump Won't Shut Off	Tank Fills on City Water	Pump Starts with Fixtures Closed	Pump Loses Prime	Pump Will Not Prime	Low Flow	Leaks
POSSIBLE CAUSE:										
Kinked Inlet Hose	●							●	●	
Hard Plumbed Pump	●									
Elbows at Pump	●	●							●	
Pipes Hitting	●							●		
Clogged Tank Outlet	●							●	●	
Clogged Tank Stainer	●							●	●	
Clogged/Small I.D. Winterizing Valve	●							●	●	
Clogged/Small I.D. Shut-Off Valve	●							●	●	
Small I.D. Hose at Pump Inlet	●							●	●	
Pump Too Far From Tank								●	●	
Collapsing/Non-Vacuum-Rated Hose	●							●	●	
Small I.D.Hose at Pump Outlet		●							●	
Inlet Air Leak	●			●	●	●		●		
Air In System	●			●		●				
Cracked Strainer				●		●				●
Loose Pump Fittings				●						●
Pipes Banging in System	●									
Kinked Outlet Hose	●	●							●	
Small I.D. Hose at Heater/Toilet	●	●							●	
Bad City Water/Tank Fill 3-way Valve	●	●		●	●		●	●	●	
Clogged Faucet Aerators	●	●							●	
Flow Restrictors	●	●							●	
Dirty/Worn Pump Valves				●	●	●	●	●	●	
Dirt/Worn Check Valve			●		●	●	●			
Bad Drive Assembly	●			●				●	●	●
Pinched Main Diaphragm										●
Ruptured Main Diaphragm									●	●
Ruptured Switch Diaphragm			●							●
Bad Microswitch	●	●	●	●						
Loose Wire at Switch			●							
Loose Pump Screws	●						●			●
Leaking Fixtures/Fittings						●	●			
Frozen Pump			●							●
Motor Thermal Overload (Hot Motor)			●							
Low Voltage				●				●	●	
Bad Motor	●		●					●	●	
Bad Pump Mount (thin, loose, etc.)	●									