

## Trouble Shooting

Problem	Solution	
Water in Trough Too Warm	Adjust thermostat to lower temperature by moving towards heater	
	Check to see if thermostat has failed by contacts burning closed	
Ice in Trough	Check fuses or circuit breakers	
	Check all heating elements to make sure they are working and hot	
	Adjust thermostat to higher temperature by moving the disc away from the heaters	
	Check for voltage from thermostat output	
	Check voltage to fountain with and without electrical load	
	Check that heaters are wired properly	
Valve Freezing	Check that cable heater is installed properly and fastened to water supply line and is working when heaters are hot	
	Check for missing or damaged insulation	
	Check for air gaps for wind penetrations	
Supply line Freezing	Check that the cable heater is uncoiled and fastened around valve, to supply line and is working when heaters are hot	
	Check that supply piping is centered in riser tube	
	Check that riser tube is free of water and mud that may freeze	
	Check that flexible hose does not touch side of casing or frame	
	Check casing for air leaks	
Valve won't stop dripping	Check for air gaps between casing and concrete floor	
	Check float adjustment. Check for waterlogged float, or float rubbing on side of valve compartment	<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p><b>1/2"</b> <b>Valve</b></p> </div> </div>
	Disassemble valve and check for sand or scale in valve rubber. Also check valve orifice outlet for wear and damage. A screen or filter may be required with sandy or scaly water.	
Turn valve rubber over and re-assemble		
Low water flow	Check for excessive water system pressure	
	Check that valve inlet is not plugged or supply hose is not kinked	
	Check system pressure from supply hose by installing a tee and a pressure gauge directly in front of the valve to check pressure drop when valve is open. A severe pressure drop indicates a restriction or undersized supply system.	
	Check that shutoff valves are fully open	