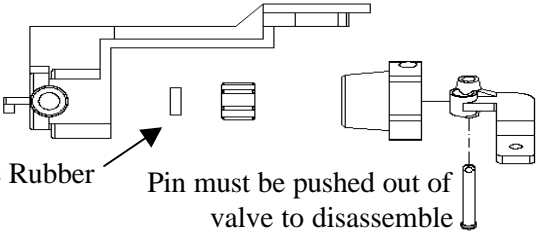
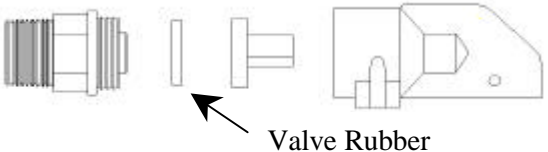


## Trouble Shooting

Problem	Solution
Water in Trough Too Warm	Adjust thermostat to lower temperature
	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
	Check for voltage from thermostat output
	Check voltage to fountain with and without electrical load
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
	Check for excessive system water pressure
	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
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>1/2" Valve:</b></p>  <p>Valve Rubber</p> <p>Pin must be pushed out of valve to disassemble</p> </div> <div style="text-align: center;"> <p><b>3/4" Valve:</b></p>  <p>Valve Rubber</p> </div> </div>	
Low water flow	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