

## Trouble Shooting CCG Water System

Jan 2020

Symptom	Possibilities	Solution
No water coming out of hose faucet.	Cistern is empty with red section touching black.	Wait for sun to power well pump so the cistern fills.
	Valve in pipe outside the shed is not open.	Open the valve.
	Pressure pump OFF	Turn <b>Pressure Pump Switch</b> to ON
	Blue tanks empty, Pressure gauge reading below 20 psi.	Close outside valve and wait for pump to refill blue tanks.
	Check for open faucet in the garden.	Close that faucet and wait for pump to fill the blue tanks.
	Your hose has a kink in it.	Undo the kink.
	Massive leak between your faucet and the shed.	Check for pooled water in garden. If you find it, call a garden manager. Turn off that water line isolation valve.
Hose sputters, with lots of air in the stream of water.	Cistern water level below 500 gallons, pressure pump is sucking air. Cloudy or late in the day with no sun to run well pump	If Cistern bobber dipstick is in red zone, turn off all faucets, and the pressure pump and wait for full sunshine to run the well pump and refill the cistern.
Cistern dip stick is in RED zone, red digital read-out is 0.00, and the yellow cistern indicator light is off. [No green lights are rising in well pump schematic. ]	Weather cloudy or it is dark, not enough sun to generate power. ----- OR: Cistern Floating switch is not vertical, stuck, or .	Close outside shed valve and wait for full sunshine to run the well pump, then open valve and draw water. ----- OR: Open cistern lid and free the floating switch.
Water spilling out of the top of the cistern.	Well pump failed to turn OFF automatically.	Turn off well pump at the Well Pump black monitor, and following diagram directions. Call a garden manager.
Pressure pump buzzing VERY loud.	Filter may be dirty.	Alert a garden manager, who will change filter.

No pressure, pressure pump silent; cistern is filled.	Pressure pump switch is OFF	Turn Pressure Pump Switch ON.
Pressure below 20 psi, pump switch ON but pump is silent.	Pump may be too hot.	Turn off Pump and wait for it to cool down. May take hour or longer.
No response from pump.	Pressure pump is broken.	Call garden managers.
Pressure low at your hose.	Others have watered ahead of you. The blue tanks are filling.	Turn off hose and wait 14 minutes for the pressure to build up in the tanks.
Same symptom.	You can't wait for pressure to build up.	Take water from the barrel system in the center of garden.
Same symptom.	You are using a nozzle or small bore hose.	Remove nozzle or use a bigger hose.
Water all over shed floor on arrival but pump not running.	Leak in the system.	Call Garden Manager. Don't turn water system on.
Water pooling on the shed floor after pump turned on.	Leak in system.	Turn Pressure Pump OFF. Call a garden manager. Tell gardeners the system is off.
Pool of water near one of the gardens.	PVC pipe may have been punctured.	Ask for help to turn off the cut-off valve under the round green lid valve at the head of your section's radial path. Notify managers.
Pool of water at the hose stanchion.	Leak at faucet.	Ask for help to turn off the cut-off valve under the round green lid valve at the head of your section's radial path. Notify managers.
Same symptom.	Leak at hose connection. May need new hose washer.	Replace hose washer. Spares in the Lucite drawers in shed.

**Current Garden Managers, members, and contractor who know how the system works:**

Marcia Freeman: 924-6828

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Bill Johnson (solar engineer who installed system): 345-7652