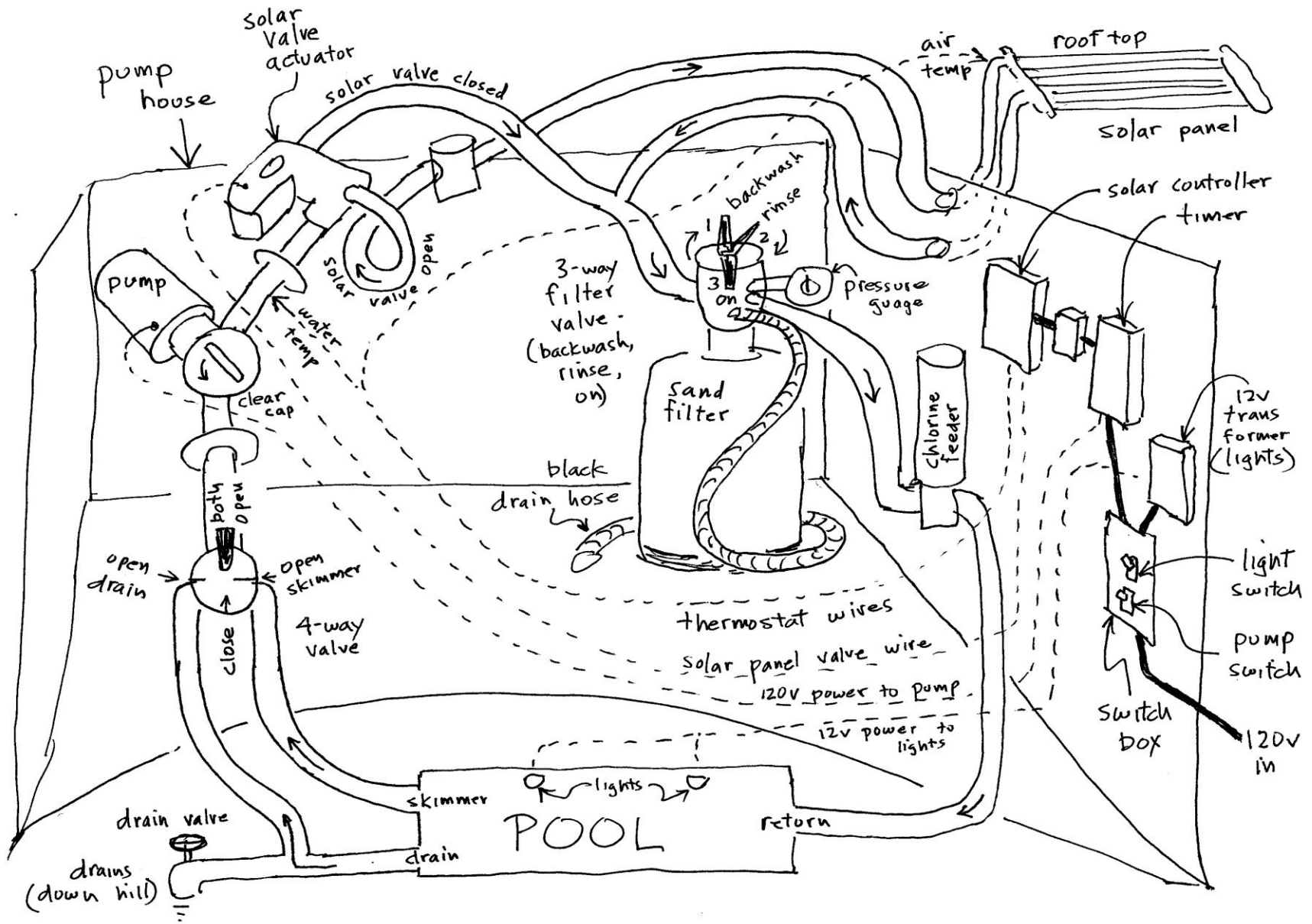


Veranda Lodge

**SWIMMING POOL
(PISCINA)**

USER'S MANUAL



To fill the pool, go down the steps on the northwest side of the hill and close the drain by rotating the valve until the handle is perpendicular to the direction of the water flow. Put the garden hose, without the nozzle, into the pool and turn on the water full. Depending on the available water pressure, filling the pool to the bottom of the hole drilled into the pool tile next to the skimmer should take 10-14 hours. This will reduce the water pressure in the house, so stop the hose when taking a shower or other functions demanding water.

If the Sta-Rite water pump is dry, it must be primed before restart after refilling the pool. To do this, first remove the clear cap off the pump. If it was over-tightened, use a board as a lever to loosen it. Then put water into the chamber with the hose and nozzle while turning on the pump with the switch. Continue feeding water into the chamber until the level rises by itself. Then replace the clear cap hand tight.

The 120 volt switch box, which has exposed wires and no cover, mounted on the wall of the pump house, has two switches. The main switch is the lower one, and is "on" when the switch handle is "up." In normal use, this would always be on. The second switch, above the main switch, is for the pool lights, and is "on" when the switch handle is "down." There is no timer for the pool lights, so they must be turned on and off manually as desired. They are part of a 12 volt lighting system with a transformer mounted on the wall of the pump house above the switch box. The lights are designed for safe underwater use, and should never be turned on when the pool is empty.

Four-way valve: This controls the path of the returning water circulating through the pool. In normal use, water should circulate through both the drain and the skimmer, and the valve handle should be in the "both" position facing the back of the pump house. If the pool water level is too low, the skimmer cannot function. Turn the four-way valve to the left "drain" position so the skimmer is bypassed until pool water level is replenished. When draining the pool for a long period of non-use, depress and turn the four-way valve to "close", facing forward, and turn off the pump. This keeps some water in the pump so it won't run dry when turned back on after filling the pool again.

The Intermatic timer mounted on the wall of the pump house controls the time of the daily filtration cycle by turning the pump on and off. In normal use, the controls should be set for "auto" and "run." It is set to cycle between 6 and 9 pm. This is independent of the cycling by the solar controller.

The Hayward Gold Line solar controller mounted on the wall of the pump house controls the flow of water through the solar panel on the roof, which heats the pool water. It is connected to a thermostat on the roof which measures the temperature of the panel. If there is sufficient heat on the panel to increase the pool water temperature, detected by a second thermostat, the solar controller will turn on the pump and command the Hayward Gold Line solar valve actuator to open the valve to the solar panels so that pool water is pumped up to the roof to be heated. This process will continue until the temperature of the solar panel drops below a useful level, or the pool water reaches the desired temperature. The normal settings on the controller are "auto" and 85-90 degrees. You can tell if the solar panel is in use by feeling the two vertical green PVC pipes for water flow.

The Pentair in-line chlorine feeder uses chlorine tablets to help keep the water clear. Turn the pump off before unscrewing the top to see if more tablets are needed. This feeder is insufficient to be the sole source of chlorination.

A few ounces of chlorinating granules should be added directly to the pool water when needed. Other clarifying agents (liquids) may be added directly as well. Based on pH testing, pH down additive may also be needed to make sure the thermal pool cover is not damaged and the chlorine can be effective.

The blue thermal pool cover should remain floating on the water's surface when the pool is not in use. The flat side must be facing up with the bubble side in contact with the water. The thermal cover assists in keeping the pool clean and ensures that heat is retained and water is not lost through evaporation. When removed from the pool, the thermal cover should be rolled up lengthwise and placed at the south end of the

pool. When the pool is drained, it should be rolled up and put in the studio when completely dry.

To backwash the Aquatools sand filter to clean the sand, first turn off the pump. Then depress and turn the top valve lever 180 degrees right, facing the back of the pump house. Water will come out of the black drain hose, so extend it outside the pump house. After the discharged water runs clear (one minute or so), move the lever clockwise 45 degrees and rinse the filter by turning the pump on for 20 seconds for each minute the water was allowed to drain. Return the valve lever to the forward facing "on" position.

To drain the pool, go down the steps on the northwest side of the hill and rotate the valve until the handle is parallel to the direction of the water flow. The pool will empty quickly. Leave the drain open.

To discourage unauthorized visitors from causing possible damage by turning on the lights or running the pump dry, the circuit breaker inside the house should be in the "off" position.

Service: Hidrotica, Jorge Sanabria, cell 8869-2133