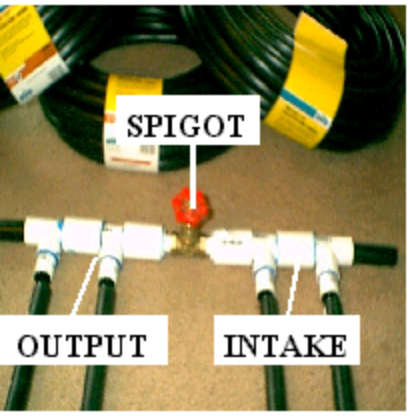
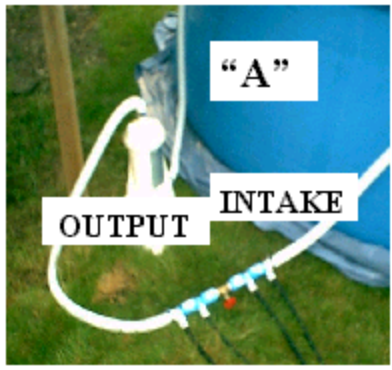
Build your Solar Heater accordingly on the amount of water needed to be heated.

First we want to assemble the "Valve" This is the key part of the system. It allows the water to flow through the filter pump out into the "Collector" and back into the pool without damaging the pump because of the high pressure of pushing water through 900 feet of Poly-Pipe. The valve will have several output and input fittings. As little as two each, and depending on the size of the pool and pump as many as six each. One side of the "**WATER TURN OFF SPIGOT**" will be the **INTAKE** and the other side will be the **OUTPUT**. The example We will be using is a 3,000 above ground inflatable top section and 3/4 inch plumbing at the pump and filter. First we go to the store and purchase Poly-pipe. 1/2 inch or 3/4 inch in rolls of 100 ft. Lengths. My suggestion for this 3,000 gallon pool would be 3 sections of 3 coils or 900 feet in 300 ft. sections.





The photo shows the Poly-pipe coils flat on the ground and uncoiled so more of the sun's radiation will hit and warm your water. Make sure that you don't kink the coils. To connect the 100 foot sections you can buy connectors that just slip into the ends of the Poly-pipe. You will need to purchase adaptors for the Poly-pipe that glues into the PVC pipe to complete your "VALVE". The "Heater Coils" can be placed anywhere in your yard where the sun shines most of the day. You can place it up to 100 feet away from the pool and bury the hoses underground so everything is nice and neat. I just run a "slit" in the lawn and push the pipe into it and then cover over and it looks great!!

Coiled Pipe in Yard

Plug Pool line going into Pump / Filter and disconnect hose from "**filter out**" "Back into pool" Attach the "just removed end" to the "**Input**" Side of the "**Valve**" and use more of the pool hose to connect the "**Output**" end to the "**Valve**" and then back onto the pool. **SEE "A".**

Remember, One side goes out, placed on ground and then back to opposite side of "Valve". Repeat with second run of pipe etc. etc. Depending on how large of a "Valve" you need.

Glue a Poly Pipe / PVC connector into a female 3/4" adapter and attach a garden hose to fill your poly-pipe runs with water instead of using your pool pump to blow out the air. Plug the Poly-pipe end into the end and repeat with each run

When just water is coming from each coil connect to valve. Until all coils are full of water and connected to valve. Open the "SPIGOT" about THREE turns or until you have good water flow back into pool and under sunshiny conditions warmer water than the pool.

Pipe From "VALVE" To Yard "HEATER SPOT"

Don't run at night as the cold will cool your pool, unless it gets too warm… Then run the pump at night and it will cool the water. You only need to run your filter pump when the sun shines.. Less cost !!