

Swimming Pool Maintenance Instructions

(Read also the Paramount Water Valve and the Sand Filter Manual)

General information

The swimming pool which is constructed from armored concrete is 4.5 m wide and about 10 m long. The deepest part is 2 meters deep and at the opposite side the water is 1.3 meter deep. **(This is important information for users with small children. The owner does not take any responsibility for drowning accidents and the use of the pool is the persons own responsibility. Do not let small children play alone in or around the swimming pool)**

Inside the pool there are about 60 cubic meters of water. Two water pumps maintain constant flow by pumping water under pressure through 4 jets into 3 skimmers. The pool water is being cleaned using a sand filter. All the equipment necessary for the functioning of the pool is placed inside swimming pool house beneath the pool.

The swimming pool is equipped with a automatic cleaning system controlled by a timer. This cleaning system consists of 11 hydraulically controlled jets placed in the floor of the swimming pool. These jets periodically change their position cleaning the floor in a radius of about 1 meter due to pushing the dirt above to the surface and then into the skimmers. The jets are placed in the floor in such a way that after 5 – 6 hour of a cleaning session, the entire floor is free from dirt.

We know from experience that, although in normal conditions the automatic cleaning system is enough sufficient, from time to time it is necessary to use manual cleaning of the pool floor. Particularly in the corners of the pool concentration of dirt takes place. For more information about cleaning system read the *Paramount Water Valve Owner's Manual*.

The basic elements of the swimming pool equipment:

1. the flow water pump.
2. the cleaning water pump
3. the sand filter with pressure manometer.
4. the main valve.
5. the distribution valve of the cleaning system with pressure manometer.
6. the different manual closing valves.
7. the electric board with the timer.



The automatic cleaning system

1. Check if all the switches on the electrical board are in ON position.
2. If not operational switch the cleaning pump ON. (switch is located on the left wall above the pump).



3. If the timer is in AUTO position the cleaning session will be started at preinstalled time. If you would like to start the cleaning immediately put the timer switch in "T" position.
4. Both pumps should start working.
5. Check if the pressure on the manometer of the sand filter is inside green range. If not (red range) start the procedure to clean the filter. (see instruction – cleaning sand filter).



6. Check if the indicator of the pressure manometer on the distribution valve is approx. half a way of the scale . If not, the pressure is too low probably due to dirt inside the pump filters, dirty sand filter, problems with the water pumps, distribution valve, manometer or leakage inside system.



7. If the cleaning system is functioning correctly let it work for about 5 -6 hours, periodically checking the cleaning effect.
8. After this time do not forget to switch the timer into AUTO position (clock sign) to let periodical cleaning of the pool take place in preinstalled periods of time.

Manual cleaning of the pool floor.

1. Open all skimmers.
2. Remove filters from inside.
3. Close the outlets of the middle and the right skimmer by turning the closing valves into the outlets.
4. Prepare the manual cleaning system. Connect the blue suction pipe to the cleaning element.
5. Put the cleaning element into the pool to fill the pipe with the water.
6. Connect the opposite end of the pipe (which should go trough the inlet of the left (close to house) skimmer) with the outlet inside this skimmer.
7. Switch the timer from AUTO into "I" position.
8. Switch the cleaning pump on using the switch on the wall above.
9. Check if the pressure on the manometer of the sand filter is inside green range. If not (red range) start the procedure to clean the filter. (see instruction – cleaning sand filter).
10. If both pumps are working correctly you can start to clean the floor of the swimming pool by moving slowly the cleaning element around the floor till you reach the desired effect.
11. If the floor of the pool was very dirty, check during the cleaning procedure periodically the pressure on the manometer of the sand filter. If the indicator is in the red range start the procedure for cleaning the filter.

Sand filter cleaning

(see also BACKWASH & RINSE parts of the sand filter manual)



1. Check the indicator of the sand filter manometer. If the pressure during pump work is in the red color range, filter should be cleaned. It is a good habit to check periodically the sand filter pressure
2. Set timer switch to “I” position.
3. Switch both water pumps OFF using main electrical switch on the electrical board.
4. Change the position of the main valve from FILTER to BACKWASH.
5. Start the water pumps using main electrical switch on the electrical board for a period of **1minute**.
6. Switch both water pumps OFF using main electrical switch on the electrical board.
7. Change the position of the main valve from BACKWASH to RINSE and start te pumps for ~ 20 sec. Stop pumps and go to position FILTER.
8. Start both pumps.

9. Check the pressure on the manometer. If it is still in the red range repeat the procedure once again.

Filling swimming pool with water

The water for the swimming pool is coming from the main water tank. To start the filling you need to open two valves. The first one is located inside small housing beneath water tank and marked "TO SWIMMING POOL" and the second with red handle is inside the swimming pool machinery house marked as "WATER TO THE POOL".

You can not overfill the pool because the automatic closing valve closes the flow to the pool when the right water level has been reached. This valve can be found under the plastic cover left of the pool. It is possible to keep both manual closing valves for the filling system permanently open. This way you can maintain correct water level inside pool despite vaporization.

When not in use for a longer period of time, the swimming pool should always be covered with the plastic cover. Check all the time if there are chlorals bricks inside the skimmers and periodically check the quality of the water using PH en Cl^- measurements.