

Life of the AquaRite TurboCell

Life of the TurboCell depends on total amount of chlorine production which is fixed for each cell. The lifetime of the special coating on the titanium cell plates responsible for the chlorine generation begins to deteriorate or blocked by deposits on the surfaces. Keeping the plates free of debris, calcium and metals in the pool will help prolong the life of the cell plates.

The actual amount of lifetime a pool owner sees from a cell depends on how much chlorine that pool needs. The electrodes produce the same amount of chlorine whether run at high output or low output. Adjusting the output adjusts the duration of chlorine production during the cycle which is 180 minutes. An output of 50% means the AquaRite produces chlorine for 90 minutes of the 180 minute cycle.

Assuming that the water chemical levels are in the recommended range, there are three factors that can directly contribute to the amount of chlorine production by the Aqua Rite:

1. The "Desired Output %" setting
2. Filter time each day (hours)- Longer hours = more output
3. The amount of salt in the pool - Higher salt = More output
4. The Water temperature – Higher temperature = More output

Turbo Cell Chlorine output at 100% for 24 hrs:

- T-15 = 1.48 lbs / 675 gms
- T-9 = 0.98 lbs / 450 gms
- T3 = 0.53 lbs / 240 gms

Total pounds of free chlorine produced over cell lifetime:

- T-15 = 522 lbs
- T-9 = 346 lbs
- T3 = 189 lbs

Theoretical cell life:

Operating at 100% output for 24 hrs the cells will last about 8400 hrs or approximately 23 months.
Operating at 50% output for 24 hrs the cells will last about 16800 hrs or approximately 46 months
Operating at 50% output for about 16 hours the cells will last about 25200 hrs or approximately 35 months

Actual life of cell depends on various operating factors as mentioned above.