

# *Residential Pool Filter Sand: To Change or not to Change?*

The sand contained in the filter strains the impurities from the water as the water passes through the sand. In the filter, the water is directed over the top of the sand bed and, as the water flows down through the sand, the sharp edges of the sand catch the particles in the water. The clean water is pushed out of the filter through the bottom lateral assembly. The laterals are in the shape of a wagon wheel, with tiny holes along the top edge, to allow the clean water back to the pool and the sand and dirt to stay in the filter.

On average, sand should be replaced in a residential sand filter every 3 - 5 years. The pool pumps run 8 to 12 hours a day, the filter also runs that long, so the sand wears down.

The jagged edges of the sand wear down and become smooth as the sand ages. When this happens the sand can no longer trap debris particles and dirt can pass through the sand and back into the pool. As the sand ages, it may start to clump and harden like concrete. This cuts down the filtration area of the filter. The water flow can form channels in the sand, allowing more debris to pass through. Also, the sand bed may become clogged with mineral deposits or other material that will not backwash away. Some calcium based chlorines and other alternative sanitizers could cause a build-up in your sand bed. For these reasons, the sand needs to be changed.

Pool Address: \_\_\_\_\_  
City \_\_\_\_\_, Arizona Zip \_\_\_\_\_

I (print name) \_\_\_\_\_ authorize  
Pool Kings to schedule and change my sand in my sand Filter(s).

**Signature** \_\_\_\_\_ **Date** \_\_\_\_/\_\_\_\_/\_\_\_\_

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I (print name) \_\_\_\_\_ **DO NOT**  
*authorize or want Pool Kings to schedule and change my filter sand. I do not and will not hold Pool Kings, LLC responsible for anything that may occur from my filter media not being changed or not maintained as advised above.*

Signature \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_