

The Swimming pool equipment Filter is the purifier of the water and the heart of your pool equipment

The name implies the filter for your pool or spa strains out impurities in the water. A dirty or clogged filter is ineffective and either restricts water flow thru the filter or returns impurities back to the pool or spa. Cleaning of a filter on a regular schedule is the only way to insure maximum flow for clear and **safe pool water**. Three basic types of filters are used today. Each has its purpose and is preferred for various reasons. The three types are; Diatomaceous Earth, the sand filter and the cartridge filter.

In the diatomaceous earth filter also known as a DE filter the water passes thru a series of free standing grids covered with fabric. The grids do not actually perform the filtration process, but instead they are coated with a filter matter, called Diatomaceous earth, this does the actual filtering work. DE is a white powdery substance found in the ground, if you look at it under a microscope you will see what appear to be tiny sponges. Because the DE particles are so fine, they can strain very small, actually microscopic particles from the water as it passes thru. There are two ways to clean this filter, Backwashing or disassembling. De filters strain particles down to about 7 microns.

The sand filter is typically filled with sand and or a combination of gravel and sand. Water enters the sand filter thru a valve on the top and sprays over the sand inside. The water then runs thru the sand and impurities are being caught and held by the sharp edges of the grains. It is then pushed thru the manifold on the bottom where it is directed up thru a pipe in the center and out the filter thru another port of the valve on the top. Sand filters are cleaned thru the valve on the top by backwashing and then with a rinse. The sand needs to be removed from the filter every 12 to 18 months depending on application and use. The sand filter strains particles down to about 7 microns.

The cartridge filter is typically used for residential applications. Water flows into the tank that houses one or more cylindrical cartridges of fine-mesh of a pleated fabric. The extremely tight mesh of the fabric strains impurities out of the water. Cartridge filters are classified by square footage of filter surface, the pleating of the cartridge material adds a lot of square footage into a very small area. The cartridge filter is cleaned thru disassembling the filter removing the cartridges and washing them out with a high pressure hose. The cartridge filter strains particles down to about 20 microns.

A Kool Pool Service provides professional and reliable swimming pool service. For all your filter needs, cleaning or replacement within the Coachella Valley, Palm Springs, Palm Desert, Bermuda Dunes, La Quinta and Indian Wells. We have a reputation for maintaining long lasting relationships with all their customers. A Kool Pool specializes in alternatives to help maintain safe pool water chemistry without dangerous chemicals. To get more information on a top pool cleaning companies CA in Coachella Valley and

surrounding areas, visit www.akoolpool.biz, Email akoolpoolserv@aol.com or call 760-773-0135.