

# What filter should I have on my pool?

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The filtration system is designed to separate the solid particles of dirt out of the pool water and to circulate the water. Also, the circulation of the water is most important in chemical distribution and keeping the water healthy. The quicker the water is circulated and the finer the filter type the easier the water is to maintain. A swimming pool is a water container where people spend a lot of time and the water **must** be healthy, especially for children who don't have immunities like older people.

There are only two types of filters available for pools although one can carry different filter media ( Glass); Cartridge and Sand. Each are different in operation, cleaning efficiency and cost. The decision in choosing the filter for your pool can be simple, price, location or lifestyle. ie. in a country property where water is restricted a cartridge filter is ideal, or where the local water is high in calcium a sand filtration or Glass media is the answer. Also check out below the Multicyclone pre filter for easier maintenance and economy.

## CARTRIDGE FILTERS

The simplest of all filters. There is no valve, no filter medium and are compact. Because of the lack of a valve they are the most economical to buy. The cartridge itself generally lasts four to 5 years. The cleaning is done by taking the cartridge out of the casing and hosing the dirt out of the vanes. Three times a year the cartridge needs to be bathed in a filter cleanse solution to remove body oils and sunscreen lotions which the filter will pull out of the pool. The cartridge's cleaning efficiency is (10/12) microns. The added bonus is that because no backwashing is involved there is no wastage of water and chemicals directly out of your pool. No soak wells are required by shires as there is no backwashing. Cartridge filters are environmentally friendly and highly efficient as compared to a sand filter which can be an environmental vandal due to water and chemical wastage during backwashing. The larger the cartridge the less time between cleaning is the general rule of thumb when choosing equipment. **Read about the Multicyclone Pre Filter below to save time between filter cleans.**

## SAND FILTERS

Probably the most widely offered type of filters for domestic pools. They are easily operated by way of a valve for simple operation. The usual filter medium is silica sand and it needs to be replaced every 4 to 6 years but a new media called **GLASS** is now available and it filters down to 5 microns and needs to be replaced every 8 to 10 yrs. Whereas the total filtering efficiency of a sand media is only 25 microns. The backwash operation wastes approx 350/400 litres of water each time( Glass media uses half as much) and that comes out of your pool with chemicals. Most shires now require 1 or 2 soakwells for the backwash to flow into. **Where high amounts of calcium are present in the water a sand filter or Glass media is a must. Ask about the Multicyclone Pre Filter to save water and chemicals.**

## MULTICYCLONE PRE FILTER

This unit plumbs directly after the pump and in between the pump and filter. This unit uses centrifugal forces that collect up to 80% of large particles Saves thousands of litres backwashing or hosing out of cartridge. See our website homepage for detailed brochure and information..

**CONCLUSION:** In order of efficiency; 1=Glass, 2=Cartridge, 3=Sand.

In order of ease of use; 1=Glass, 2=Sand, 3=Cartridge

In order of environmentally friendliness; 1=Cartridge, 2=Glass, 3=Sand

**We can't tell you what you should have because everybody is in a different situation so we have tried our best to inform you of the differences and are happy to advise with more information from you.**