

Three Types of Filtration

There are three choices, when it comes to filtration: Sand, Diatomaceous Earth (DE) or Cartridge filters. Each has their benefits and limitations. Good hydraulic design is essential to the performance of your swimming pools filtering capability and should not be compromised.

DE filters-

PROS:

- Get the pool water the cleanest out of the three types of filtration.
- Can go for longer filter cycles than sand.

CONS:

- DE filters require backwashing every 4-6 weeks depending on time of year and usage.
- Cleaned manually at least once a year. This can be a fun chore (just kidding) Each time you backwash the filter, you will need to re-charge the filter grids with DE. Although DE is not expensive, it can still be a hassle.

Sand filters-

PROS:

- Require very little maintenance other than backwashing every 1-2 weeks.
- The least expensive of all three filters

CONS:

- You must backwash the filter regularly in order to clean it. This process wastes anywhere from 300-500 gallons of precious water every time you backwash.
- The most restrictive of the three and it gets the water the least clean.

Cartridge filter- Recommended filters

PROS:

- Do not need to backwash Cartridge filters, which saves thousands of gallons of water per year. You simply clean the filter elements with a garden hose 1-2 times per year. This takes about an hour.
- Flow rates are not restrictive

CONS:

- Quality cartridge filters will usually cost more than a Sand or DE filter
- Will need to replace the filter elements every 5-8 years.

Again, natural resources are valuable. We install equipment that conserves water and electricity. This results in savings of time and money which are also precious. It is important to us at Swim World Pools that the pools we build are not only for today but for tomorrow.