

# Cartridge Filters for Swimming Pools



## Introduction to the pieces and parts of a cartridge filter.

Cartridge filters are fairly simple in their design. This is why many homeowners choose to install a cartridge filter on their pool. In this article, we go over the basic design and function of a swimming pool cartridge filter.



## Typical Cartridge Filter

In a standard cartridge filter, the water flows into the filter through the inlet port. It is then passed through the filter cartridges. The water passes from the outside of the cartridge to the inside of the cartridge and is collected in the core and then passes back out through the outlet port. As the water passes through the filter material, particles of debris are trapped on the surface of the filter material.

The filter has an air bleed tube inside that will bleed off almost all the air that builds up inside the filter. There is also a manual air bleed on the top of the filter that can be used to bleed off the air or to let air into the tank when you are preparing to take the filter part (after you have turned the pump off).

There is a pressure gauge on the top of the filter. When installing the filter, or when putting it back together after cleaning, you should make sure that the face of this gauge is visible to you when you are turning the equipment on and off so you can see any dangerous rise in pressure.