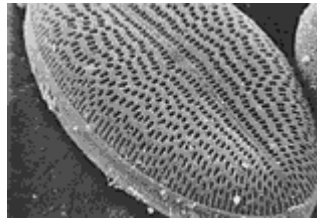


Aqua-Matic Pools considers D.E. filters to be the most efficient filters on today's market. D.E. filters have the ability to remove smaller particles and debris as compared to either sand or cartridge filters. Therefore, when properly maintained, a D.E. filter has the potential for the highest level of water clarity.

What is Diatomaceous Earth (D.E.)?

Diatomaceous Earth is a porous powder with microscopic openings, that when magnified, look like tiny sponges.



D.E. contains the skeletal remains of microscopic, single-cell organisms called diatoms. Diatoms are a form of algae, which grow and multiply by the billions in water all over the earth. The dead and discarded shells form thick deposits on the bottom of the ocean and after many years, the shell deposits turn into a porous mass called diatomite (also known as diatomaceous earth).

How does D.E. work?

Clear water can pass through the microscopic openings, but particles, as small as 5 microns, are trapped when water passes through the filter media. All D.E. filters have internal elements that become coated with D.E. It is this 'filter cake' that strains dirt, dust, debris and algae. Here is the ironic part ... the sparkling clear water produced by a D.E. filter is only possible because of dead algae - imagine that!





Pro-Grid™ Vertical Grid D.E. Filters

Pro-Grid™ vertical grid D.E. filters provide superior water clarity, efficient flow and large cleaning capacity for pools of all types and sizes. Constructed in high-strength PermaGlass XL™, Pro-Grid combines high-technology features and "service-ease" design for an unparalleled filtration value.

Features of a Vertical Grid D.E. Filter

1. **Automatic Air Relief** purges any trapped air during filter operation. Screenless design eliminates clogging.

2. **Integral Lift Handles and Uniform Low Profile Tank Base** make removal of grid nest fast and simple.

3. **High-Strength Filter Tank** molded of PermaGlass XL™ provides extra durability for dependable, corrosion-free performance.

4. **High Impact Grid Elements** designed for upflow filtration and top-down backwashing for maximum efficiency.

5. **Center Flange Clamp** securely fastens tank top and bottom together. Allows quick access to all internal components without disturbing piping or connections.

6. **Union Locknuts** make disassemble and reassemble of filter from piping fast and easy.

7. **Norly® Bulkhead Fittings** for extra strength and heat resistance.

8. **Inlet- Diffuser Elbow** distributes flow of incoming unfiltered water upward and evenly to all filter elements. Parabolic tank design provides for even distribution of D.E. to grids.

9. **Full-Size 1.5" Integral Drain** provides fast, 100% clean out and easier flushing of tank.

Convenient Valve and Plumbing Options allow for customized control. The unit uses 2" internal piping and plumbing which maximizes water flow and performance.





Perflex® Extended-Cycle D.E. Filters

Perflex Extended-Cycle D.E. filters clean pools fast, removing particles as small as one micron the first time through. Its patented Flex-Tube™ design gives longer cycles between cleaning because the same D.E. filter powder is used over and over. Plus, Perflex cleans without backwashing, saving hundreds of gallons of treated pool water.

Features

- Exclusive bump handle activates the mechanism causing the Flex-Tubes to instantly and uniformly clean themselves of dirt and filter powder
- Self-venting design automatically expels any air that may be present in the system
- Proven, patented Flex-Tube filter elements efficiently reuse the filter powder and dirt mixture forming a fresh filtering surface
- Combination pressure gauge and threaded inspection/service port is easy to read and remove when filter needs cleaning
- Heavy-duty filter tank injection-molded of high-strength Duralon™ for dependable, corrosion-free performance
- Integral check valve prevents system backflow whenever pump is off

