



Aqua-Cel®

Diatomaceous Earth Filter Media for Swimming Pools



Aqua-Cel® is a high quality, diatomaceous earth (D.E., diatomite), filter media specifically designed for use in swimming pools.

Aqua-Cel is a product of Imerys, the world's largest and oldest producer of diatomaceous earth, with proven industry experience in a variety of filtering applications.

ATTRIBUTES

Enjoy sparkling clean and clear pool water

- Improves filter operation
- Provides best clarity
- Removes bacteria and makes water safe



IMERYS

Diatomaceous Earth Filter Media



A number of studies have proven that D.E. is the most efficient filter media, and for many years it has been the choice of pool professionals who seek the best clarity.

IMPROVES FILTER OPERATION

- Pre-coats fast and effectively, improving filter efficiency

PROVIDES BEST CLARITY

- Removes particles down to 3 microns

MAKES WATER SAFER

- Filters out most potentially harmful bacteria

Imerys Aqua-Cel D.E. filter media is made up of diatoms, which are tiny, aquatic organisms. Their skeleton consists of silica, the second most abundant element in Earth's crust after oxygen. The remains of these diatoms form deposits of D.E. which are then mined, crushed and dried to powder form, and subsequently calcined by heating it in excess of 1,800 degrees Fahrenheit.



DIRECTIONS FOR USE

Proper usage of the Aqua-Cel D.E. filter media is critical in order to optimize your filter's performance. Using the correct amount of D.E. will maximize its efficiency, along with the time in between filter cleanings.

Note: the directions provided are merely recommendations. For the exact dosage and filter maintenance procedure, please refer to the filter manufacturer.

HOW MUCH AQUA-CEL D.E. FILTER MEDIA SHOULD I USE?

To determine the proper amount of filter media, use the area (square feet) of the filter equipment (it usually appears on the outside of the filter housing). The table shows how much filter media to use by weight or by volume. For filter sizes not specified, add listed amounts to match the size you need.

Filter Size	5 square feet	10 square feet	20 square feet	50 square feet
Filter Media Weight	¾ lb	1½ lb	3 lbs	7½ lbs
If no measuring device is available, use a 1-pound coffee can, or equivalent.				
Filter Media Volume	1½ cans-full	3 cans-full	6 cans-full	15 cans-full

If your filter is a Hayward-Manufacturing Co. Regenerative unit, follow manufacturers' instructions for filter aid usage. To extend filter cycles, for pools up to 20,000-gallon capacity, add one full cup of filter aid to the filter inlet each morning and afternoon. For larger pools, discuss with Aqua-Cel dealer.

IMPORTANT: Short filter cycles initially with unfiltered water or after heavy pool usage generally indicate the filter aid is working efficiently. Clean the filter as required and enjoy clean, clear, and safe swimming pool water.

HOW CAN I USE AQUA-CEL D.E. FILTER MEDIA IN A SAND FILTER?

- While operating pump, slowly add a mix of water and Aqua-Cel into the skimmer (2 gallons of water and 1 lb. of Aqua-Cel).
- Repeat step (A) until the filter pressure rises by about 1 psi.
- Operate pump for at least two circulations (or turnovers) of water, or for about a day.
- Backwash to waste in order to remove dirt and Aqua-Cel from the sand filter.



HOW DO I PRE-COAT USING AQUA-CEL D.E. FILTER MEDIA?

STEP 1:

Clean the filter thoroughly per the manufacturer's recommendations and normal maintenance procedures.

STEP 2:

Thoroughly mix half of the correct amount of Aqua-Cel and water, and create a pail of water (a water bucket is a convenient way to do it).

STEP 3:

With the circulation system running, slowly pour the mixture into the pool's skimmer. Repeat the process once more using the remaining amount of Aqua-Cel.

HOW OFTEN SHOULD I BE PRE-COATING USING AQUA-CEL D.E. FILTER MEDIA?

Pre-coating, or addition of Aqua-Cel filter media, should be performed after you clean your filter and every time you backwash your filter. How often you have to backwash and clean your filter depends on many parameters such as how often the pool is used. However, there are some recommended practices.

GENERAL GUIDE FOR BACKWASHING D.E. FILTERS:

- Right after you first install or clean your filter you should record the pressure gauge reading. This is your "normal filter operating pressure."
- Backwashing your filter is required every time the pressure gauge shows 8-10 pounds of pressure (psi) **above** the "normal filter operating pressure," or once every month of usage.
- Note that backwashing is complete when the discharge water runs clear (usually a few backwash cycles are required).

ALWAYS REMEMBER TO:

- "Bleed" the air out of the filter unit before adding Aqua-Cel D.E. filter media. The powder will only apply on the parts of the grid that are in water.
- Turn off the water pump when turning the multiport valve to and from the backwashing position.

After backwashing is complete, follow steps 2 and 3 from the how-to-pre-coat instructions provided. This time use only 4/5 or 80% of the recommended amount.

GENERAL GUIDE FOR CLEANING D.E. FILTERS:

- When backwashing does not result to a pressure drop close to the "normal filter operating pressure" then it is time to take the filter apart and hose the grids off. Pool professionals recommend cleaning your filter at least once every pool season/year.

FOR MORE INFORMATION

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