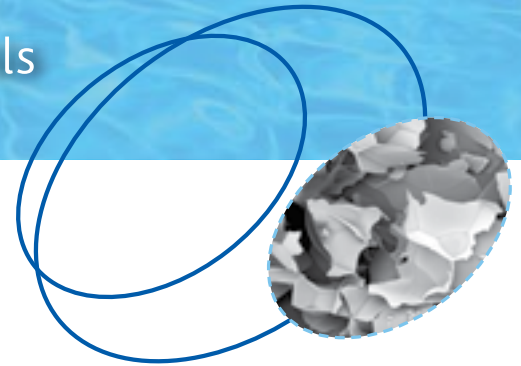




## Perlite Filter Media for Swimming Pools



AquaPerl® is a new, lightweight filter media for swimming pools, specifically engineered for use in diatomaceous earth (D.E.) filters. It is a direct replacement for D.E. filter media.

AquaPerl is a product of Imerys, the world's largest producer of white industrial minerals, with proven industry experience in a variety of filtering applications.

### ADVANTAGES

Enjoy sparkling clean and clear pool water

- Improves filter efficiency
- All natural
- Saves time
- Easy to handle



**IMERYS**

# Perlite Filter Media



AquaPerl is superior to D.E. filter media in removing dirt and oil contaminants from swimming pools for the following reasons:

- AquaPerl’s higher solids and oil holding capacity results in longer filtration cycles.
- AquaPerl’s lower density allows for a uniform pre-coat thickness and deposition on element, resulting in quick and complete backwashing and filter aid regeneration.

**IMPROVES FILTER OPERATION**

- Pre-coats fast and effectively, improving filter efficiency

**SAVES TIME**

- Backwashes quickly and completely, resulting in less time spent on filter cleaning

**ALL-NATURAL**

- All natural and chemically inert

**EASY TO HANDLE**

- Weighs half the weight of traditional D.E. filter aids, making it easier to lift and carry

Swimming Pool Filter Media Type	Pore Volume (mL/g)	Oil Absorption (%)	Wet Density (lb/ft)
AquaPerl®	6.5	370	10.9
Diatomaceous Earth D.E.	2.7	185	20.0
Cellulose	2.4	190	12.7

AquaPerl, produced at Imerys facility in Quincy, Florida, is NSF certified to NSF/ANSI 50 standards.

Imerys AquaPerl perlite filter media is made from volcanic glass which contains water in its inner structure. When heated rapidly, the steam produced expands the glass to form a foamed structure.

**DIRECTIONS FOR USE**

Proper usage of the AquaPerl perlite filter media is critical in order to optimize your filter’s performance. Using the correct amount of perlite 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 AQUAPERL PERLITE FILTER MEDIA SHOULD I USE?**

Perlite is a direct replacement for D.E. Therefore, use AquaPerl the same as you would use any D.E. filter media.

Note that perlite is half the weight of D.E.

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	½ lb	¾ lb	1½ lbs	4 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 manufacturer’s 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 AquaPerl 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, safe swimming pool water.

**HOW DO I PRE-COAT USING AQUAPERL PERLITE 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 AquaPerl 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 AquaPerl.



## HOW OFTEN SHOULD I BE PRE-COATING USING AQUAPERL PERLITE FILTER MEDIA?

Pre-coating, or adding AquaPerl 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 AquaPerl perlite filter media. The powder will only apply to 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.

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### 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 or year.

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## FOR MORE INFORMATION

[imerys-filtration.com](http://imerys-filtration.com)

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