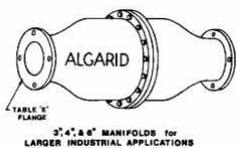




algard treatment differs from conventional water treatment. Utilizing magnetic water treatment brings about subtle changes in the water chemistry, which reduces the availability of minerals and nutrients for participation in trouble causing reactions and processes. Algae, bacteria and fungus are all living things, requiring food the same as you and I. They also require a balanced diet. All living things require a list of 14 essential nutrients such as nitrogen, phosphorus, potassium manganese, boron, etc. If any one of these essential nutrients is missing from their diet they will die, and certainly they will not multiply (trace element deficiency).

Therefore algard does not kill algae and bacteria outright, but starve these microorganisms of nutrients that deny them the ability to grow and flourish. The magnetic field acts as a catalyst, combining one or more of the essential nutrients into a molecule, which cannot then be assimilated by the organism, thus effectively creating the trace element deficiency. Magnetic water treatment, apart from inhibiting algal and bacterial growth also reduces scaling and promotes sedimentation. The magnetic technology is a result of the physics of interaction between a magnetic field and a moving electric charge, in this case in the form of an ion. When ions pass through the magnetic field, a force is exerted on each ion. The forces on ions of opposite charges are in opposite directions. The redirection of the particles tends to increase the frequency with which ions of opposite charge collide and combine to form a mineral precipitate or insoluble compound. The scale formed is non-adherent and remains suspended in the water that is preferred over the adherent form, which attaches to pipe surfaces.



algard water stabilizers are available for larger applications to suit pipe sizes 80mm, 100mm and 150mm allowing treatment of up to 4800litres/min. (Custom units have been built to 300mm pipe size). Constructed from the highest quality bronze with state of the art ceramic magnets, the units are easily installed in either metal or plastic pipelines.

algard water stabilizers need never be touched while in service providing it is protected against blockages by larger objects. No power or chemicals are required and optimum performance can be expected with a minimum field expectancy of at least 25 years.



algard

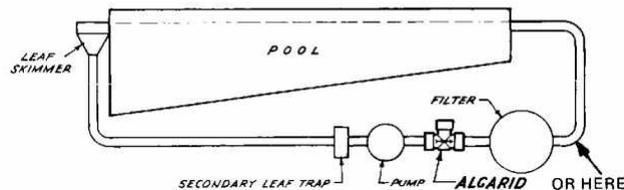
Magnetic Water Stabilizers

www.algard.com

Crystal clear water with algard magnetic water stabilizers for pools, spas, tubs, fountains, ponds and water features.

POOL CARE WITH ALGARID

TYPICAL FILTER CIRCUIT



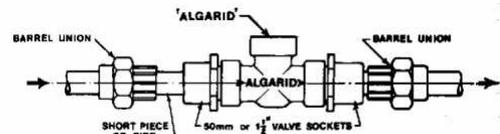
Less backwashing will result if the algard unit is installed between the pump and filter. If this is not possible then the unit can be fitted in the return to pool line.

P.H.: It is essential to keep the P.H. level correct. If it is not, then apart from irritating the swimmers eyes, the clarity of the water cannot be maintained, as flocculation will occur if the P.H. is out of balance.

FLOCCULATION: In tap water there are usually present many fine particles that are smaller in size than the filter is capable of removing. By adding a flocculent these particles are attracted to each other and form larger particles, which the filter can remove.

CHLORINATION: When chlorine is added to the water it is used up in two ways, (a) by attacking the living organisms, and (b) by escaping from the water due to light, especially sun light. (Better to add chlorine after sunset) Adding just sufficient chlorine to kill the living organisms and having just a small margin over reaches breakpoint chlorination. Your test kit measures this residual chlorine. Ideally a little chlorine regularly is better than big doses occasionally.

FITTINGS: Either your pool supplier or plumber can sort out the correct fittings for your installation. It is recommended to fit barrel unions so that the ALGARID can be easily removed if required. This can be useful for maintenance and refilling.



REFILLING: If filling the pool it is best to remove the algard from the circulating system and fill the pool through it attached to the end of the hose on the bottom of the pool. When full, replace the algard in the circulating system, add recommended dose of chlorine compound and start the pump. Run the pump and filter until the water is clear.

WHEN THE POOL IS ALREADY FULL

After the Algard has been fitted run the pump as normal at least 2-3 hours a day. It could take 2-3 weeks before all the water has been circulated. If possible move the water round as dead spots occur frequently in corners and at steps etc. Note: Swimming is a good way to mix the water. Continue adding chlorine but always test first because as the water becomes more fully treated the demand becomes less and when fully treated approximately 50% less chlorine will be required to maintain breakpoint chlorination. Now that all the water is treated it is not necessary to maintain breakpoint chlorination but a little chlorine is needed for flocculation and also to bleach the water to retain the blue appearance. As a rule of thumb method to determine this quantity use the recommended daily dosage spread over two weeks i.e. if 14 ozs. per day then one ounce per day is adequate or 7 ozs. per week. It is better to add the ounce once per day (in the evening). Note you will be saving at least 43% of your previous consumption. All other aspects of running your pool remain the same. If the pool is in constant use then more filtering will be required, but when the pool is not in use, provided the leaves and other solid particles are vacuumed out and the water is clear, then there is no need to run the filter at all.

During winter, a pool fitted with Algard may be left unattended without addition of any chemicals for as long as 8-10 weeks. Should the colour change then all that need be done is to add chlorine, sweep the bottom and turn on the filter until clear again. Vacuum if necessary.

After 3-4 weeks brown or black stains may appear in depressions or blemishes in the pool surface, mainly on the bottom. These are dead bacteria. It can easily be removed by sprinkling chlorine powder on the surface of the water above the affected area and after ten minutes, sweeping up the solution. They will not reappear.

Proudly Manufactured in Australia by:

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POOLS & SPAS