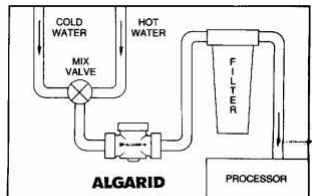




algarid can be used in photographic and experimental laboratories where washing and cooling water is used for more efficient and cheaper operation.

algarid units consist of an array of ceramic permanent magnets mounted in a housing resistant to chemicals, heat and water hammer.

The magnets do not corrode and will retain their strength almost indefinitely. The standard bronze unit, which is suitable for most photographic installations with flow rates up to 5 litres/sec may be fitted to any water supply regardless of size or materials. Bronze units are available with plain or chrome finish.



Standard photo-processor configuration

The optimum configuration may vary slightly between processor installations depending on water quality, production volume, plant layout, etc but in most cases a single unit fitted in the wash water supply line will achieve the desired effect.

The unit should be placed upstream of the cartridge filter, as this configuration will control bacterial growth on the filter prolonging the life of the cartridge.

algarid 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 they do 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.



**algarid**  
Magnetic Water Stabilizers

LABORATORY

algarid magnetic water stabilizers control slime growth and scale. Save on photo-processor maintenance by controlling growth of slime-forming organisms in wash tanks, pipelines, filters, spray nozzles, etc.

*This standard algarid is fitted prior to the filter on a x-ray processing machine. Apart from saving approximately 80% of the maintenance on the machine, it also stops slime blockage and extends the filter change time considerably.*

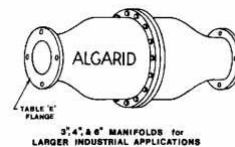


Slime growth – commonly referred to as algae, is frequently the cause of stains and marks on process film and paper as well as equipment blockages and mechanical problems. Until recently the only methods available for combating slime growth involved regular dumping of wash water and cleaning tanks and racks, chemical dosing or costly electrostatic devices.

algarid magnetic water stabilizers provide a novel and inexpensive method for controlling the bacteria and algae that produce slime growths. Nothing is added or removed in the algarid process. Instead, subtle chemical changes are brought about in the water that make conditions unsuitable for multiplication of microscopic slime forming organisms which could otherwise thrive on nutrients carried over the processing chemistry. Any deposits that do form are more easily removed than in untreated systems.

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.

algarid magnetic water stabilizers are in use in photography and graphic art studios, processing labs of all sizes, x-ray departments and printing houses throughout Australia and also in the United States, Japan, Britain and other countries.



algarid 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.

algarid 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.

*Proudly Manufactured in Australia by:*

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