

# WHAT'S

red/white

## HOLDS

67 gallons of water

## WORKS

under extreme temperatures

## GUIDES

you on the right track

## GRABS

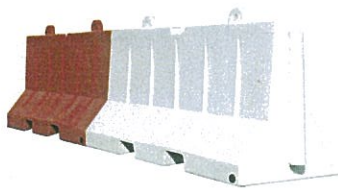
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### ADVANTAGES

- Available in highly visible colors
- Lightweight and easy to handle
- Simple to install with unique hinge pin
- Hinged joint can be turned through 30°
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- Portable & Reusable



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### PRODUCT APPLICATIONS

- Landfill
- Landfill caps/closures
- Lagoon liners
- Pond liners
- Floating covers
- Tank linings
- Canal Linings
- Mining heap leach pads
- Solutions ponds for mining
- Retention ponds
- Waste water treatment facilities
- Potable water reservoirs
- Hazardous waste containment
- Secondary containment
- Fish hatcheries



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# Clear water

Autochlor offers crystal-clear pool water without the use of harsh chemicals

AUSTRALIAN Innovative Systems (AIS), a wholly-owned Australian company specialising in high-quality salt-water pool treatment systems, has been awarded silver medal in the inaugural The Big 5 Gaia Awards for its Autochlor range of chlorine generators, which come with innovative water-saving and operational features.

"One of the major features of the system is simplicity. With Autochlor, one can enjoy crystal-clear

pool water without the use harsh chemicals. It is a safe, clean, easy alternative to dosing a pool with dangerous, expensive and messy chemicals," says executive director of AIS, Elena Gosse.

"Another obvious advantage of using an Autochlor chlorine generator is its cost effectiveness," she continues. "For example, on an average, one spends \$300 per day on chlorine for a commercial pool. Over a period of five years, the costs are in excess of \$500,000. An equivalent commercial Autochlor chlorine generator will cost under one-fourth of that amount. The system would pay for itself in two years."

Describing the broad functions of chlorine generators, Gosse says: "Chlorine generators produce chlorine in the pool water automatically and continuously, so there is no need to buy, store or handle dangerous chlorine gas, liquid or powder. Also a chlorine generator recycles the salt, which is a safe and naturally-occurring compound, over and over so there are no by-product wastes added to the environment."

The company's Autochlor chlorine generators come in three different ranges: residential, commercial and the mini-chlorine generator range.

In the residential range, Autochlor can operate in water with a salinity concentration of up to 3.5 per cent compared with the industry standard of 0.7 per cent. In the commercial range, thanks to some innovative programming and further development of its hardware, AIS has achieved even better results with the operation range of up to 36 per cent, making the product water efficient as well as giving the end-user the freedom to choose seawater at any time.

The Autochlor mini-chlorine generator, which has been introduced recently by AIS, is ideal for a spa or Jacuzzi, with a capacity to produce 5 grammes of chlorine per hour.

Powered by the company's unique switch mode power supply (SMPS), the Autochlor chlorine generators deliver about 60 per cent savings on energy compared to standard chlorine generators available on the market, points out Gosse.

"To date, no other manufacturer has managed to replicate our solution," she claims. "Our SMPS is equipped with integrated circuitry for signal

processing and output controlling and this has made it possible to significantly improve a number of parameters resulting in a better quality and energy efficiency of our product. With the

implementation of SMPS in our commercial range of chlorinators, we became the only company to successfully use this form of power supply in all our units. The innovation is utilising the latest technology available. This is making our product a leader in the marketplace."

Compact in size, Autochlor generators can be easily operated and maintained by the end-user and are designed to survive extreme environmental conditions. They also come with 'self-cleaning' capabilities to lessen the burden of maintenance. She explains: "Self-cleaning means the generators will reverse the polarity of the electrodes periodically in order to reduce the build-up of calcium deposits on cells. Our

commercial chlorine generators are also equipped with a semi-automatic acid-wash systems keeping maintenance to a minimum."

Another important reason for choosing an Autochlor system is safety, Gosse says.

"When considering the opportunity to replace outdated methods of

dosing a pool with dangerous chemicals, the safety factor is a sufficient reason to upgrade, though it is usually the overall realisation that salt-water chlorine generation is by far the most economical, safe, maintenance-free method of pool sanitation that prompts owners to upgrade," she points out.

"Salt-water chlorination technology is the most economical and the healthiest system for pool water treatment; this technology is fast becoming the most widely accepted pool sanitation method throughout the world," she adds.

AIS will also run a seminar on the 'Advantages of Salt Water Chlorination,' discussing the various methods used for pool water treatment as well as the cost-effectiveness, economical and environmental benefits of salt-water chlorination systems.

Under the Autochlor brand, AIS offers a full range of pool water treatment systems for applications such as spa or Jacuzzi, any size swimming pool, lagoons and water parks. It is also widely used for water treatment in dolphinariums, horse swimming pools and fountains.

Presently, AIS is finalising field trials on a totally new concept - a machine that sanitises and produces chlorine in normal tap water. The potential for this equipment is massive as applications include but are not limited to competition swimming pools, cooling towers, an sanitising drinking water, she says.

Australian Pavilion, Hall 8, Stand G352

