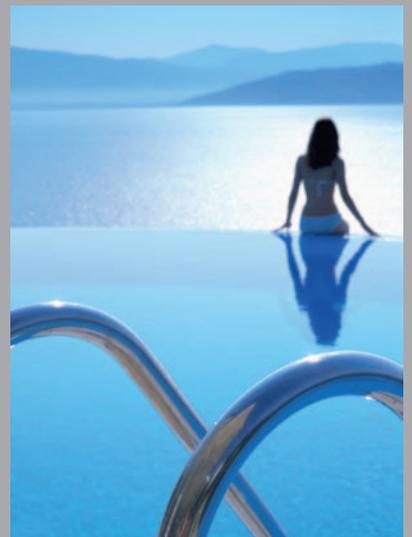


# pure silk™

water quality management



Liquid Chlorine Chromalyzer

# Puresilk™ CMS Chromalyzer.

Relentless forces target water balance. Scale or corrosion will occur if it becomes too acidic or too alkaline.

Maintaining equilibrium requires constant monitoring. And balancing chemicals need to be precisely administered.

Until now, the pool owner had to test the water daily; take samples to a pool shop and add the chemicals manually.

The longer the gap between tests, the greater the imbalance and the greater the dosage required to restore that balance.

Now, with Puresilk™'s CMS Chromalyzer there's no guesswork or hard work.

With scientific precision the CMS monitors water quality at least twice per day and injects just the right amount of chlorine and/or acid to maintain perfect balance.



## Balance, parity, equilibrium between opposing forces.

The patented Colorimetric Management System tests, analyses and corrects water purity using colourimetric sensing and sampling technology.

It automatically mixes precise amounts of water and reagents in a test chamber. A photodiode then accurately measures the light intensity passing through the sample.

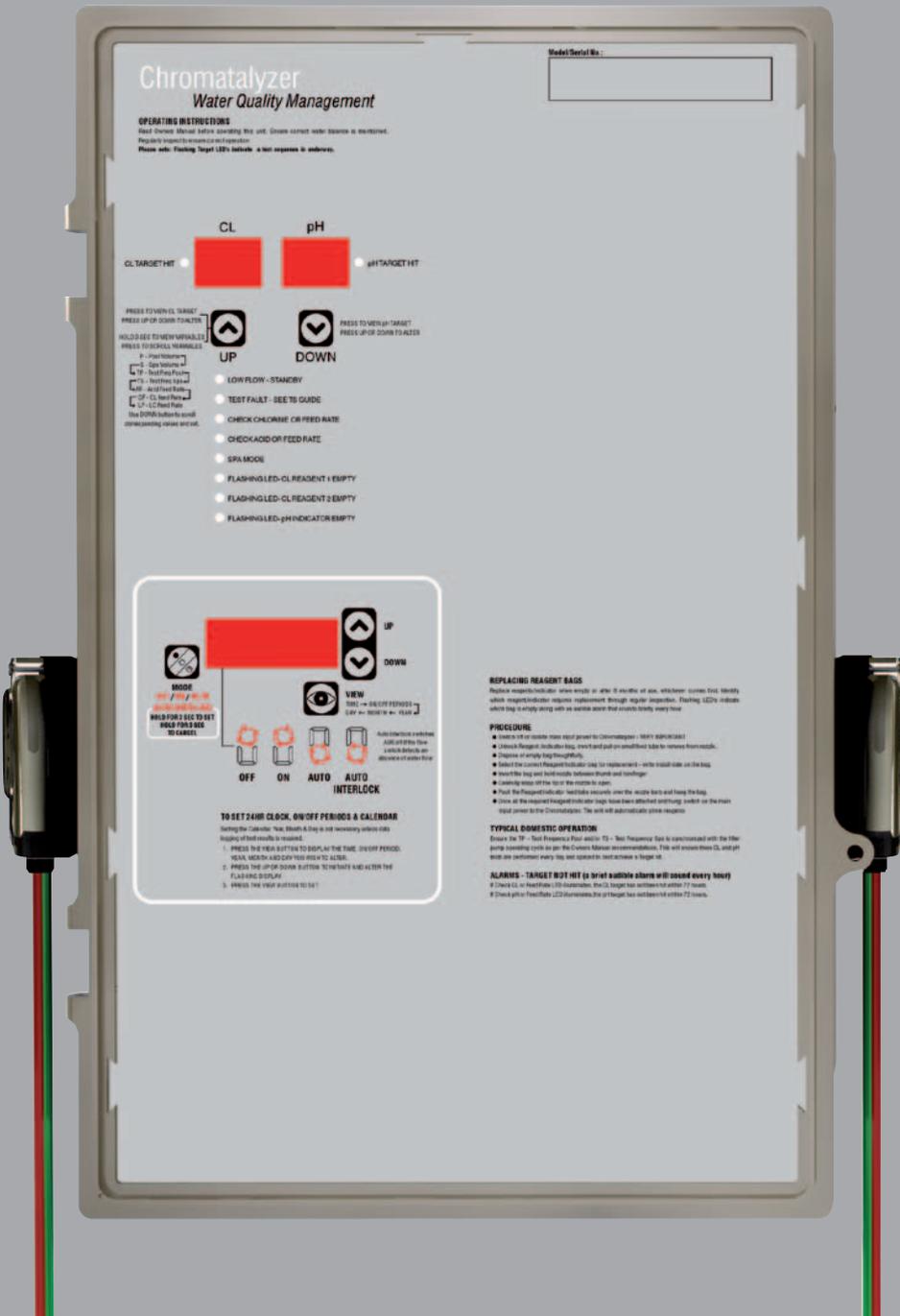
If necessary, the microprocessor activates the Peristaltic Pump to deliver just enough acid to bring the pH back into balance.

It may also adjust the chlorine output to deliver just the right amount to destroy any algae or bacteria.

The CMS almost manages itself:

- No calibration is required.
- Test chamber rinses itself after testing.
- Reagent satchels perform 500+ tests.
- Satchels only replaced every 6 months.
- Automatic pool to spa switching.
- Alerts if the chlorinator is set too low.
- Alerts if the chlorine or pH targets are not achieved within a 12 hour period.

In essence, a Puresilk™ CMS Chromalyzer takes all the work out of water testing. It tests far more accurately and ensures that your pool or spa is always totally pure and balanced.



Patented Australian technology that's light years ahead.

## Achieving perfect performance without using probes!

Probes need regularly cleaning; hydrogen gas can affect them causing malfunction; they require regular re-calibration and can result in ground leakage into the water. Puresilk™'s CMS Chromalyzer doesn't use probes, it's built on ingenious new technology, for example:

### Colorimetric Testing:

A full analysis is performed by a photo-diode firing coloured light through a test sample containing specific reagents.

### Patented Piston and Drive Shaft:

Precisely draws up an exact volume of pool water for mixing and analysis.

### Reagent Satchels:

Hold enough reagent to automatically test chlorine and pH levels over 500 times.

### Peristaltic Pump:

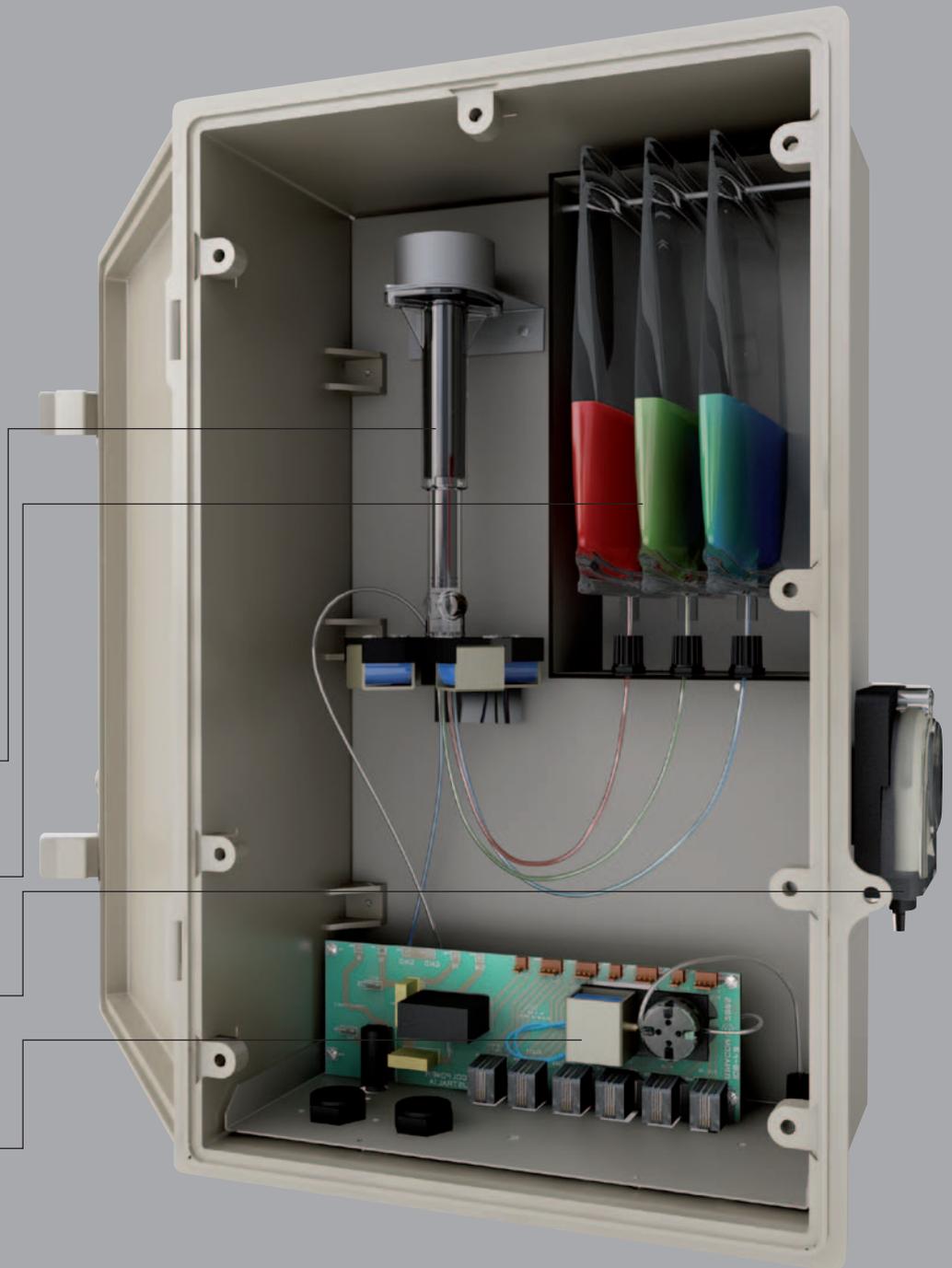
Injects the right amount of acid to balance the pool eliminating dangerous manual handling of acid.

### Puresilk™ CMS Microprocessor:

Easily configures to suit most domestic and commercial pool and spa sizes. Little or no programming is required.

### Automatic Pool/Spa Switching:

If a normal chlorinator applied pool settings to a spa it would over-chlorinate the spa creating serious damage. Puresilk™'s CMS microprocessor instantly detects the switch from pool to spa and adjusts all its settings to provide the ideal level of chlorination for the spa.



During initial trials of our new water management system, a teenage test swimmer summed up the total experience perfectly: “It’s amazing. The water feels incredibly clean and pure. It’s so soft and smooth, it’s like swimming in silk.”



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