

# ProMinent® CO<sub>2</sub> Controller

ProMinent®

The ProMinent CO<sub>2</sub> controller is designed to use bottled CO<sub>2</sub> in the control of pH levels for Swimming Pool water.

CO<sub>2</sub> systems have several advantages over hydrochloric acid when used to control pH.

These advantages are:

**Safety :** No mineral acid solution will be present on site, which solves the problems associated with handling hydrochloric acid.

**Water Quality:** Adding CO<sub>2</sub> will not contribute to a TDS increase of pool water, thus reducing the amount of make-up water required to maintain the pool water quality within acceptable levels.

**Why use a pH controller:** By maintaining the correct pH levels in your Swimming Pool the consumption of Disinfecting chemicals will be reduced by up to 50% and the overall treatment cost will be reduced by up to 40%.



## System Description:

The ProMinent Carbon Dioxide System for pH control of swimming pools normally consists of the following:

- CO<sub>2</sub> dosing control panel containing rotameter and solenoid valve.
- Injection assembly, (contains injection lance, check valve and ball valve), is withdrawable for servicing without the need to drain the pipe work of water.
- Gas bottle kit containing wall mounting, auto changeover and all accessories for either 2,4 or 6 bottle installations.



DSR



D2C

## ProMinent pH Controller

To provide “on demand” control of CO<sub>2</sub> gas feed the system should be used in conjunction with a ProMinent pH Controller model DSR or D2C. The CO<sub>2</sub> controller accepts a on off signal from the pH controller.

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