

ProMinent® CO₂ Controller



The ProMinent CO₂ controller is designed to use bottled CO₂ in the control of pH levels for Swimming Pool water. CO₂ systems have several advantages over hydrochloric acid when used to control pH.

- No mineral acid solution will be present on site, which solves the problems associated with handling hydrochloric acid.
- Adding CO₂ 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.

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:

- CO₂ 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.
- Up to 6 bar maximum pressure is available.

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To provide "on demand" control of CO₂ gas feed the system should be used in conjunction with a ProMinent Compact Controller, diaLog or DULCOMARIN. The CO₂ controller accepts a on off signal from the pH controller.



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