ProMinent® CO_2 Controller

The ProMinent CO_2 controller is designed to use bottled CO_2 in the control of pH levels for Swimming Pool water. CO_2 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 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.

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:

- 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 10 bar maximum prssure 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 CO_2 controller accepts a on off signal from the pH controller.

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