

# Aquasol Controllers, Inc.

We Simply Control Pools Since 1975

## Aquasol CO<sub>2</sub> Systems

CO<sub>2</sub> has been used in commercial pools as a substitute for liquid acid for many years with varying degrees of success. CO<sub>2</sub> lowers pH in a pool, just like liquid acid, but without the storage, handling, and transportation concerns of liquid acid. The traditional downside of CO<sub>2</sub> is that while it lowers pH, it has a tendency to raise total alkalinity. The solution to this for years has been to add liquid acid periodically to counteract the alkalinity increase caused by the CO<sub>2</sub>. Of course, this negates the biggest benefits of CO<sub>2</sub>. The storage, handling, and transportation concerns still exist!

The reason for the alkalinity increase is attributed to improper injection of CO<sub>2</sub> into the pool. Incorrect injection causes an increased usage of CO<sub>2</sub>. The bigger the CO<sub>2</sub> bubbles are when they are injected, the less efficient the usage, and the greater alkalinity effect. Finer bubbles create more surface area contacting the water, thus increasing efficiency.

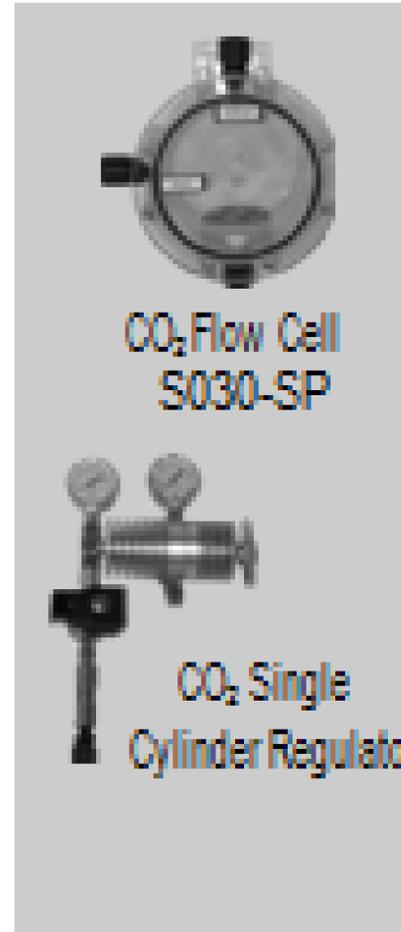
Aquasol's inpHinite CO<sub>2</sub> injection system is the first CO<sub>2</sub> injection system to effectively diffuse CO<sub>2</sub> bubbles small enough to substantially decrease the alkalinity effect, and reduce CO<sub>2</sub> usage. The inpHinite system is the most effective CO<sub>2</sub> injection system available for swimming pools today. The inpHinite system injects CO<sub>2</sub> through a 10 micron diffusion plate, which is placed inside a patented bypass assembly, which is a modified version of our popular Sample Flow Cell.

inpHinite systems are compatible with all Aquasol chemical controllers, and are now a legitimate acid substitution in just about any pool!

- **Single Tank System** - Suitable for most pools, and can easily be adapted to accept multiple tanks if needed.
- **Dual Tank Manual Switchover System** - The same as our Single Tank System, except a second tank may be hooked up with the included stainless steel hose. Tanks will not automatically switch from empty to full, but multiple tanks may be active at the same time.
- **Dual Tank Automatic Switchover System** - Two tanks are connected, and the regulator will switch to a secondary tank when the primary tank is empty.

*The systems above are configured for single pools, but we can modify them to serve multiple pools.  
Call for configuration options and pricing.*

## CO<sub>2</sub> Systems & Components



CO<sub>2</sub> Flow Cell  
S030-SP

CO<sub>2</sub> Single  
Cylinder Regulator

\*CO<sub>2</sub> System Includes: Regulator, Solenoid Valve, Check Valve, 20' Tubing, inHinite Flow Cell Injection Diffuser, & Required Fittings.

Single Cylinder CO<sub>2</sub> System\*

Dual Cylinder CO<sub>2</sub> System (Manual switchover when cylinder empty)\*

Dual Cylinder CO<sub>2</sub> System (Automatic switchover when cylinder empty)\*

Parker 1/4" SS Solenoid Complete w/power cord

Flow Meter for Dual CO<sub>2</sub> - Rexarc

Flow Cell Complete CO<sub>2</sub> System

CO<sub>2</sub> Diffuser

SS Braided Hose for Dual Cylinder Systems, 1/4" x 3'

Repair Kit / Dual Head

**Part #**

**List Price**

C310

\$1,589.89

C360

1,854.24

C390

3,348.00

CA19

189.00

C382

696.00

S030-SP

194.50

C302

50.80

C386

359.26

C380R

246.07