

Compact CO₂ pH Control System

The pH control system uses a programmable pH controller and pH probe to proportionally control the flow of carbon dioxide to decrease the pH from a basic level to a programmable set point.



CONTROLLER



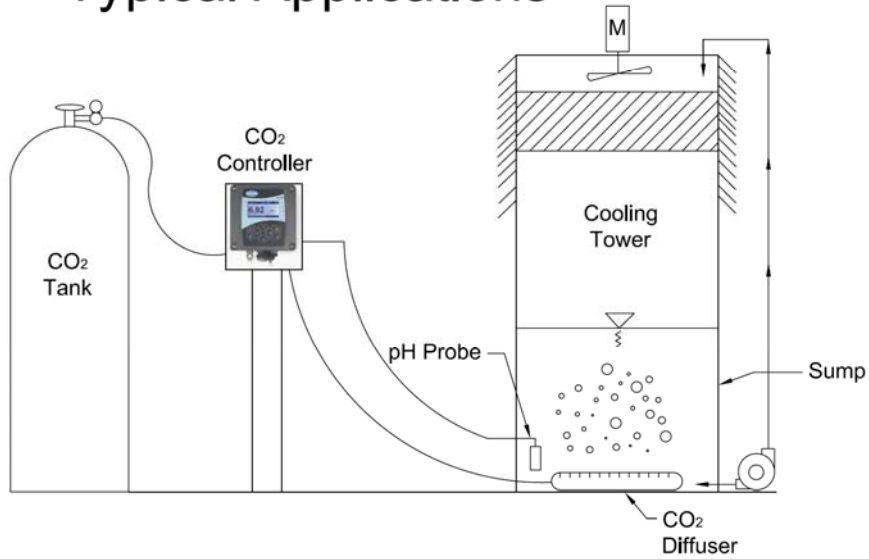
CONTROL PANEL

The process of adding carbon dioxide to water using gas diffuser(s) converts the carbon dioxide to carbonic acid in the water, consuming alkalinity, thereby decreasing the pH. The system is easy to calibrate and uses 120-volts AC, 3 amps, for power. The system includes the sc100 pH controller, pH probe, gas regulator, NEMA 4X control panel with swing out sub panel, clear window and optional stainless steel stand. CO₂ is commonly available in 50 lb, 600 lb and bulk containers. All components are neatly housed in the compact enclosure that can either be wall mounted or free standing with the optional stainless steel stand.

Benefits of CO₂ VS. Mineral Acids

- Non hazardous (documented inventory or manifests)
- No drum disposal costs
- No secondary containment needed
- Minimal EC/TDS addition
- CO₂ operating costs are less than using mineral acids
- No liability for operators

Cooling Tower Typical Applications



Well/ Potable Water Applications

