

## pH Control System, High Flow (Up to 500 CFM of CO<sub>2</sub>)

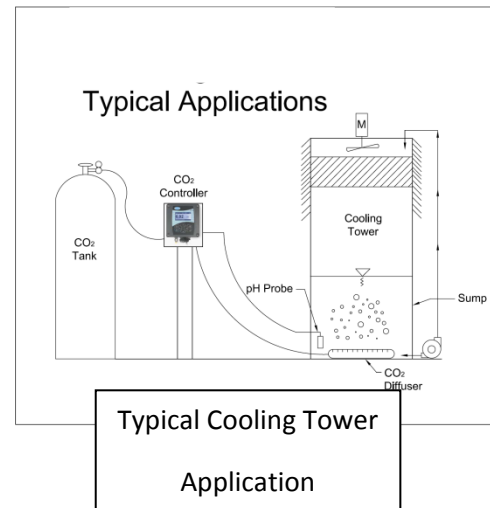
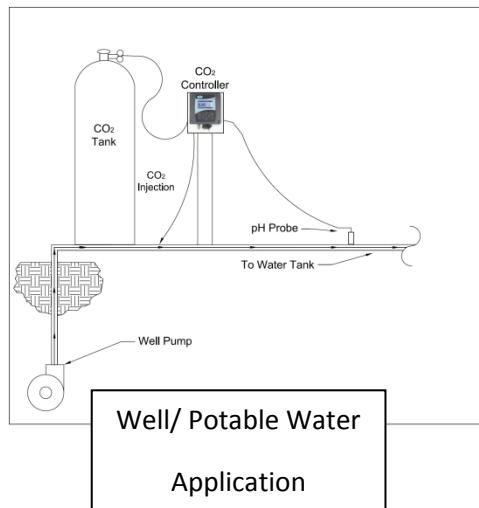
The pH control system uses a programmable pH controller and pH probe to proportionally control the flow of carbon dioxide to decrease the pH from a basic level to a programmable set point.

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 sc200 pH controller, pH probe, gas regulator, NEMA 4X control panel with swing out sub panel, clear window and optional stainless steel stand. CO<sub>2</sub> 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. The system supports gas flows up to 500 CFM.



### Benefits of CO<sub>2</sub> VS. Mineral Acids

- Non hazardous (documented inventory or manifests)
- No drum disposal costs
- No secondary containment needed
- Minimal EC/TDS addition
- CO<sub>2</sub> operating costs are less than using mineral acids
- No liability for operators







Gas Diffuser Plate

**Gas Diffuser Plate:**

- Nearly 100% CO<sub>2</sub> saturation
- State of the art engineering
- Spectacular results

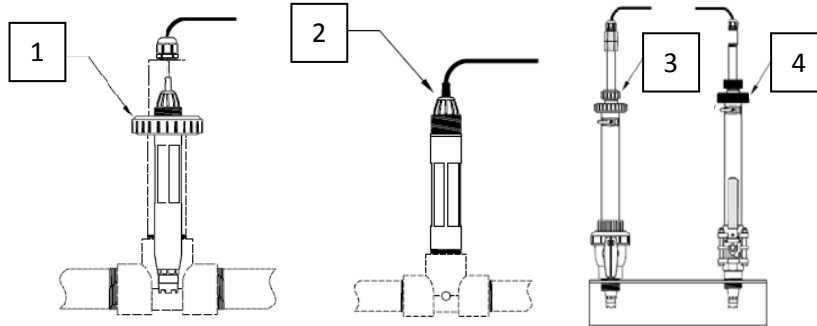
Chart Recorder

**Chart Recorder:**

- Track your pH
- Ensure pH compliance
- Charts available with a variety of increments



**Inline pH Probe**



**pH Probe Mounting Hardware Options:**

1. PVC fitting; Mount to NPT threads (enclosed probe)
2. PVC fitting; Mount to NPT threads (exposed probe)
3. PVC fitting; Mount inline with adaptor (enclosed probe)
4. Stainless Steel fitting; Mount inline with adaptor (enclosed probe)