

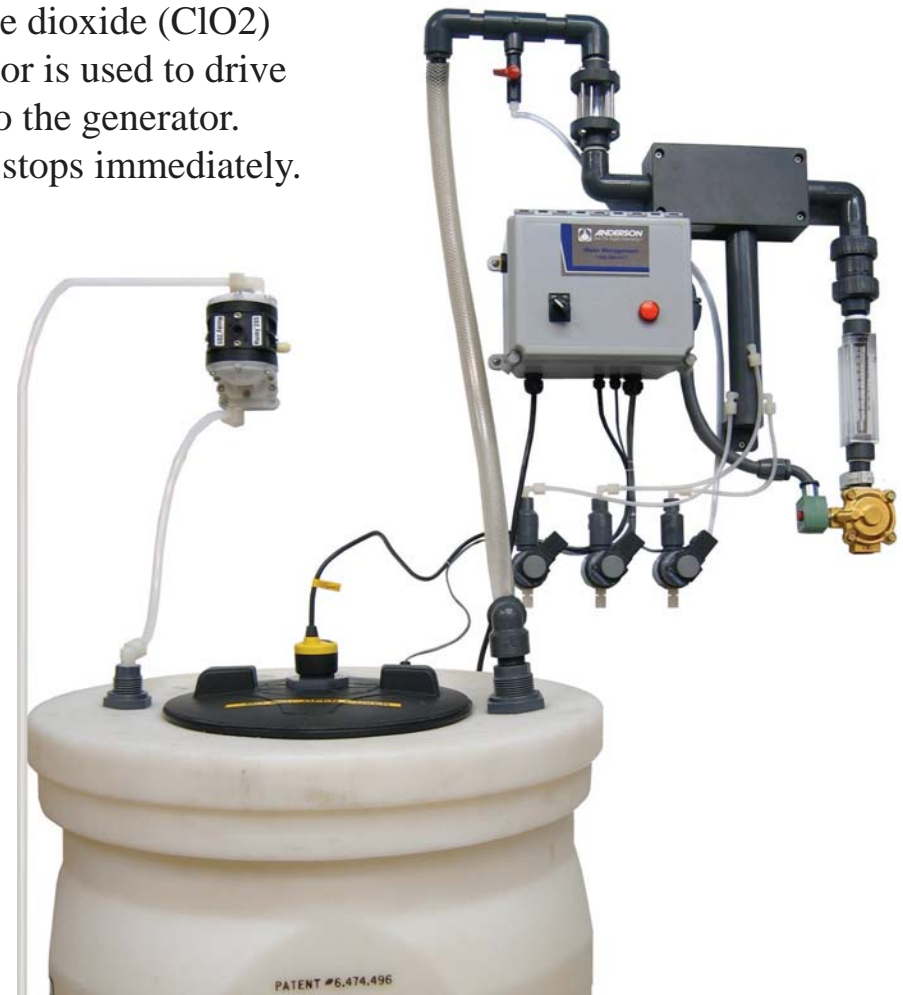
## Chlorine Dioxide Generator

The CLOGen II unit is a < 1 to 150 pound per day chlorine dioxide (ClO<sub>2</sub>) generator. It is inherently safe due to the fact that an eductor is used to drive the generation—when and only when—water is flowing to the generator. When flow stops or falls too low, all generation stops and stops immediately.

Solenoid valves are the only moving parts. The Teflon wettable surfaces and guaranteed 2 million operations result in a system which is very low maintenance. No cartridges, no filters or other media to replace.

The fixed orifices are sized so that the ClO<sub>2</sub> solution generated varies from about 500 to just over 1000 mg/L (ppm) ClO<sub>2</sub>, depending upon motive water flow, thus insuring safe generation. The design prevents production of a solution greater than about 1200 mg/L ClO<sub>2</sub>.

All components have been selected to be compatible with ClO<sub>2</sub> and the precursors.



### APPLICATIONS

- Sweetwater/Ice bank bacterial control
- Bacterial control in cooling water
- Odor control in wet scrubbers
- Bacterial control in paper processing
- Sanitizing uncut fruits and vegetables
- Bacterial control of cut fruits and vegetables
- Controlling bacteria in produce flume water/dump tanks
- Controlling bacteria in poultry processing
- Controlling bacteria in beverage and brewing equipment
- Destruction of a variety of undesirable chemicals:
- Odor control by the oxidation of hydrogen sulfide and organo-sulfur compounds
- Toxic chemical destruction by the oxidation of phenols and mercaptans
- Oxidative color removal and bleaching



### FEATURES

- All units come with a double walled storage tank with level controls
- Solenoid valves are the only moving parts
- Inherently safe, simple, easy to operate
- Produces <1 lb/day to 150 lb/day
- Generates 500 to 1200 ppm ClO<sub>2</sub>
- No consumable hardware
- High quality materials of construction
- Low level alarms on pre-cursor drains
- High level storage tank alarm
- Optional eController for remote alarming via ethernet or cellular router

### REQUIREMENTS

- Water flow: 10 gpm minimum @ 40 psi with greater than 20% pressure drop
- 110 VAC power



Shown with optional stand