

PureLine's CG generators produce chlorine dioxide from sodium chlorite. These large-capacity units provide good return on investment by using PureMax precursor and sulfuric acid (78%, 93% or 98%).

The PureLine CG series are robust generators that deliver excellent uptime and continuity of service in a broad range of severe environments, including:

- Oilfields
- Industrial
- Commercial marine
- Municipal

REACTION CHEMISTRY:



Electricity



Pure Advantages

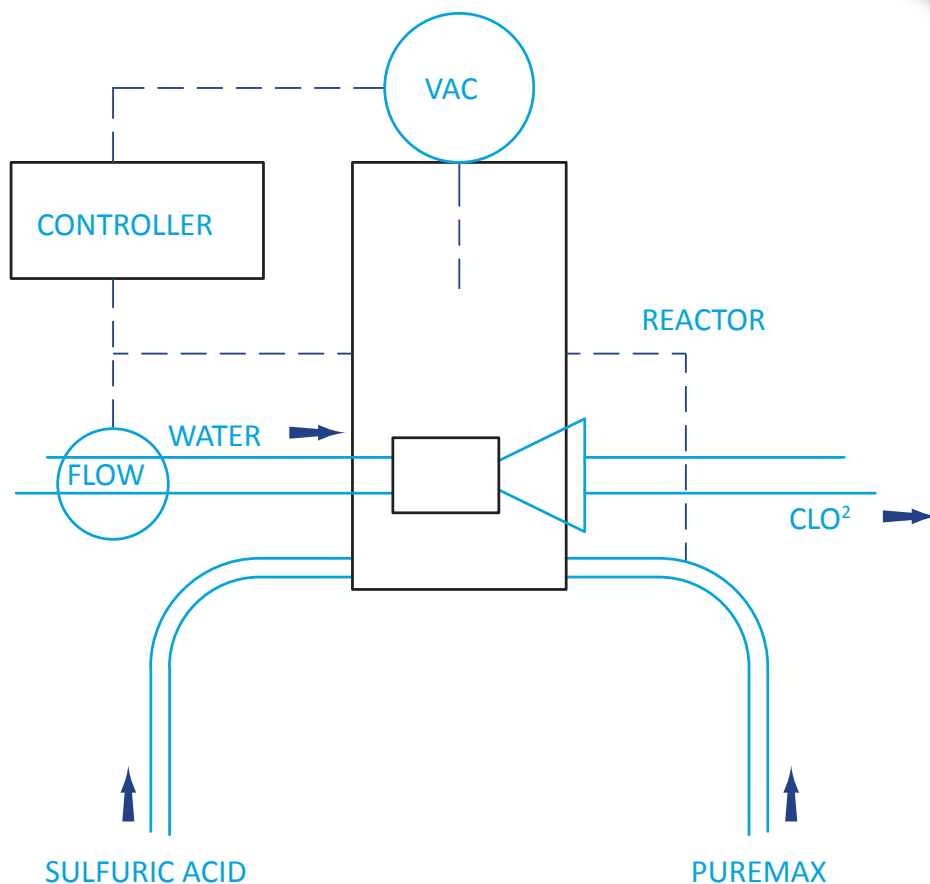
- 95% efficient
- No chlorine gas
- Low-cost production
- Safe
- Easy to operate
- Excellent uptime
- Thrives in harsh environments

Pure Chemistry

PureLine's patented ClO_2 technology offers many benefits:

- Does not form THMs
- EPA/RMP & OSHA PSM compliance
- Meets crypto and DBP requirements
- Efficacy over broad pH range
- Iron & manganese reduction
- Taste & odor control
- Removes color
- TOC reduction
- Low capital & operating costs





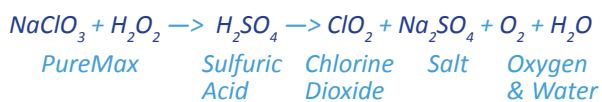
Available Capacities:

Up to 5,000 lbs/day

Precursors:

PureMax

Reaction Chemistry:



Generator specifications:

- Capacity: Up to 5,000 lbs
- Chemical Usage: PureMax 4.2 lbs/lb of ClO₂
- Electrical Power: 220VAC, 1PH, 30A service
- Water Requirement: 150 psi
- ClO₂ Injection: Up to 16 independently controlled pumps

Process interface:

- PLC & OIT: Allen Bradley PLC and color touch screen
- Remote Start Stop: Via external contact for the distribution pump
- Flow Pace / PID Mode: Distribution pump output proportional to an external 4-20mA signal
- Outputs: Alarm and running status via Form-C dry contact
- Residual Mode: Optional residual control

Safety interlocks:

- Airlock alarms
- Air shutdown (optional)
- PLC controlled calibration
- Water flow confirmation control
- Vacuum sensor to confirm mixture
- Run Permissive Interlock

Dimensions:

- Overall: 64"W X 77"H X 30"D
- Weight: 429 lbs

Process Connections:

- PureMax inlet: 1" NPT, Sch. 80 PVC
- Sulfuric acid: 1" NPT, Sch. 80 PVC
- Distribution pump outlet: 1" and up, PVC
- PureMax vent: ½" Sch. PVC

Enclosures:

- Process Cabinet and Electrical Enclosure: PVC