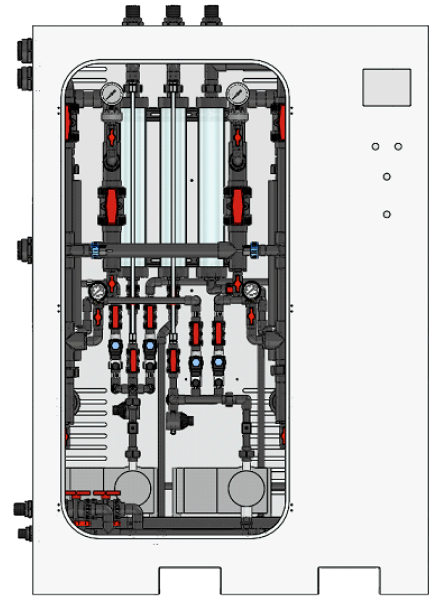


DC3 SERIES GENERATOR



The DC3 series generator is a three chemical system using Sodium Chlorite, Hydrochloric Acid, and Sodium Hypochlorite to produce chlorine dioxide at over 95% efficiency (Chlorite Conversion to ClO₂ in the final product).

This process is the most economical way to produce medium to large amounts of ClO₂ (20 to 4000lbs/day). The DC3 generator produces ClO₂ on demand, safely, efficiently and without the need for additional storage or delivery pumps (up to 80psig delivery pressure without the need for a booster pump).

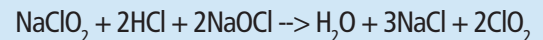
The DC3 series has very few moving parts making it very low maintenance and reliable to operate even under extremely harsh conditions. The system has built in flow pacing capability (with the use of an external flowmeter signal), production tracking and communications allowing remote system monitoring. The system is built with redundant safety interlocks and all operations are performed within the generator cabinet providing a safe and clean operating system.

Pure Advantages

- 95%+ Efficiency
- On Demand Generation
- Large production range (100:1 turn down)
- Expert engineering and technical support
- Few moving parts, Low Maintenance, High Reliability
- Low operating cost – enhanced ROI

PureLine
DC3

Reaction Chemistry

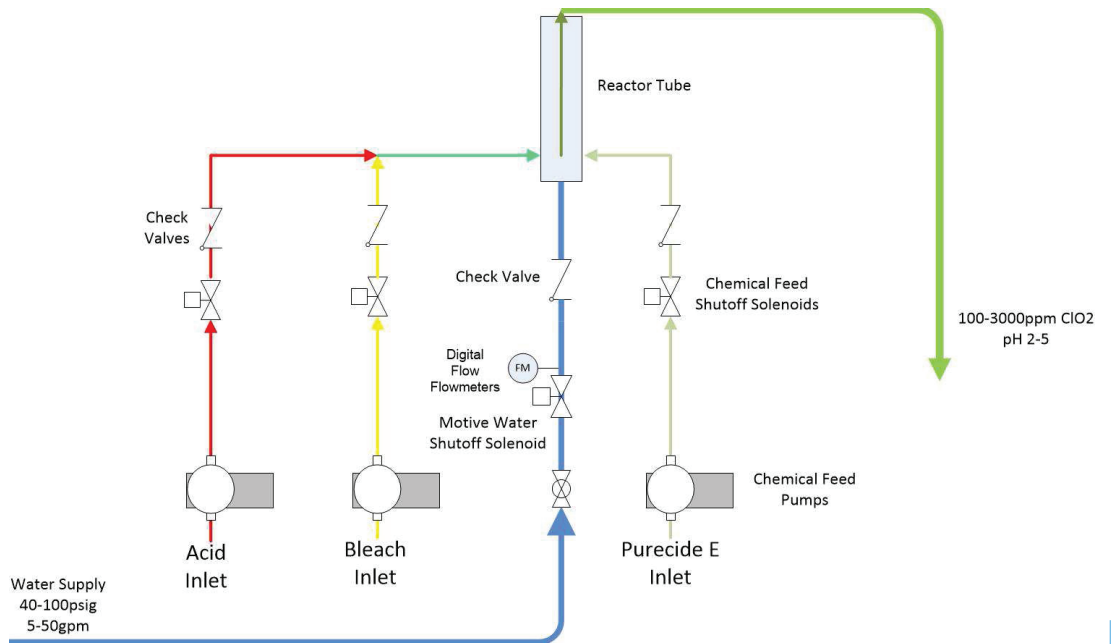


Specifications

Capacity:	20 lbs to 4000 lbs / day
Chemical Usage:	Purecide – 4.6 lbs/lb of ClO ₂ , Hydrochloric Acid– 1.8 lbs/lb of ClO ₂ , Sodium Hypochlorite – 4.6 lbs/lb
Electrical Power:	220 VAC, 1PH, 30A Service (60A for 160lb/hr model)
Inlet Water:	Type: 20 Mesh Filter Water (Process or Potable with low Ba+, Sr+ or Ca+) Flow: Required Water Flow is 0.7 gpm per lb/hr (14gpm, DC3-40=28gpm) Pressure: 100 psi. Booster Pump Available (recommended)
PLC & HMI:	Allen Bradley PLC and Color Touch Screen
Cabinet:	White polypropylene
Dimensions:	52.25" x 75.5" x 28.25"
Weight:	450 lbs

Co-Products:

– Excess HCl (up to 0.25 lbs/lb of ClO₂, product pH 2-5)



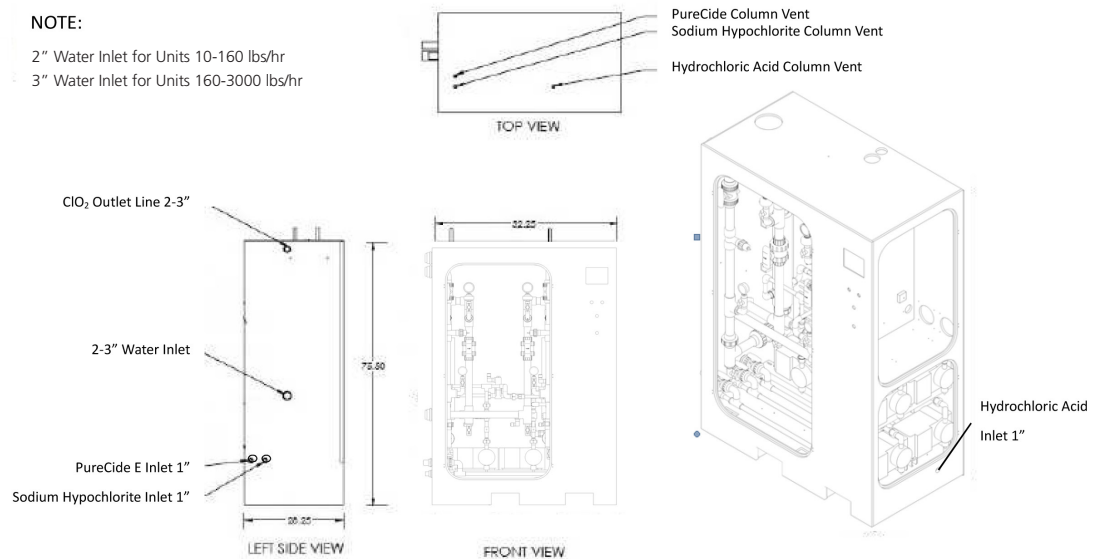
▲ Process Flow Diagram

▼ DC3-Series Electrochemical Generator

Common Platform — 20 lbs to 4000 lbs/day

NOTE:

- 2" Water Inlet for Units 10-160 lbs/hr
- 3" Water Inlet for Units 160-3000 lbs/hr



Experts in the generation and application of chlorine dioxide

Pureline offers a complete line of chlorine dioxide products, solutions and accessories.



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