

## 78 TPD CAUSTIC SODA PLANT FOR SALE

### Capacity:

- 78 TPD caustic soda (32%)
- 25 TPD chlorine
- 12 TPD hydrochloric acid (33%)

Year Built: 1987

Year Shut: 2002

### Technology:

Chlorine Engineering (Japan)

### Major Equipment:

- Monopolar Cells
- US Filter Ionic Interchange System
- Transformer
- Rectifier- 60 Hz/12,470 V
- Chlorine Treatment Column
- HCL Graphite Scrubber Column
- HCl reactor (unused)

### Major Consumption Data:

- Raw Brine: 8.850 lb/hr
- Deionized Water: 10 gpm
- Cooling Water: 420 gpm
- Instrument Air: 50 Nm<sup>3</sup>/hr
- Steam 30 PSI: 800 kg/hr



### BRIEF PROCESS DESCRIPTION

This plant was originally built to serve a vitamin plant which used hypochlorite in process. The plant has a never-used-installed HCl reactor. The synthesis unit (mainly the reactor) includes some additional equipment as the final scrubber and some valves and instrumentation. The plant is complete but does not include a conventional brine treatment process because this plant was part of a vitamin plant. In that process the hypochlorite produced was used in the vitamin process where it was reduced to NaCl. Then this recovered NaCl was sent to the caustic soda plant to be concentrated and purified in a resin ionic exchange system and reused as raw material for the electrolyzers. This plant has a brine purification system which, however, need a new brine reactor vessel and candle filters.

**CONTACT US FOR MORE DETAILS**

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