



CAPITAL CONTROLS

The Series 71V2000A electrically-heated evaporators automatically vaporize and superheat liquid chlorine, sulfur dioxide or ammonia at rates controlled by the using system. The evaporators are designed and fabricated in accordance with Section VIII, Div. 1 of the ASME Boiler and Pressure Vessel Code, and are provided with a "L" stamp to meet the pressure vessel requirements of the code. Series 71V2000A also meets recommendations of the Chlorine Institute. The evaporators are housed in corrosion-resistant and attractive fiberglass-reinforced polyester cabinets identical in size and color to the cabinet of the floor mounted gas dispensers.

Capital Controls considers chlorine a lethal gas and as such the evaporator meets the testing and inspection requirements necessary to meet Part UW-2 of the code which covers vessels built to contain lethal substances. The "L" stamp provides a chamber with the following certifications:

- W-L** - Welding meets lethal gas requirements.
- S-L** - Fabricated using seamless pipe for lethal gas.
- HT** - Whole vessel has been postweld heat treated.
- RT-1** - Complete vessel satisfies the full radiography requirements (100%) of all welded joints for lethal substances or design pressures exceeding 50 psi (345 kPa)

Design Features

- ◆ **Heavy Construction:** 1/2 inch wall thickness of the vaporizing chamber exceeds the ASME Code by more than 40%
- ◆ **Efficient:** Design affords good water circulation by convection; no circulators are required
- ◆ **Automatic:** Water chamber temperature is automatically controlled by an electronic temperature controller
- ◆ **Convenient:** Minimum attention is required by operating personnel

CHLORTROL™ Electrically Heated Evaporator



- ◆ For Vaporization of Chlorine, Sulfur Dioxide or Ammonia
- ◆ Ranges to 10,000 PPD (200 kg/h)
- ◆ Heavy Construction
- ◆ Efficient Water Circulation Design
- ◆ Automatically Controlled Water Temperature
- ◆ Minimum Operator Interface
- ◆ Optional Automatic Solid State Controlled Cathodic Protection

