

## Recirculating Bromination System

### General Description:

The Model 6651-2C110 Brominating System was designed to recirculate and treat the water in the ship's two potable water storage tanks.

The brominating system consists of a rugged, below-deck, bulkhead-mounted, brominator/pump assembly and a remote bulkhead-mounted control panel. The unique cartridge housing is manufactured from a high-strength plastic that will never corrode. The all bronze pump and corrosion resistant fittings used throughout are designed for reliable service and long life.

Alignment for storage tank recirculation is achieved by solenoid valves activated by a switch on the remote control panel. The control panel includes the pump start/stop station, tank selector switch, and a lamp indicating when the unit is brominating.

When treating water, a portion of the pumped flow is diverted through a cartridge containing bromine-impregnated resin. The bromine elutes into the water stream. This water stream is then re-introduced to the main flow, disinfecting the potable water with its biocidal action. A time totalizer keeps track of cartridge usage and lights a lamp when the cartridge needs to be changed.

### Specifications:

Fully compliant with MIL-S-901D high impact shock (grade B) and MIL-STD-167-1 (Environmental) vibration requirements.

The pump, motor, and electrical panel meet IEEE-45 standards for shipboard electrical service.

**Capacity:** Two tanks of 50 - 12,000 gallons each.

### Weights and Dimensions:

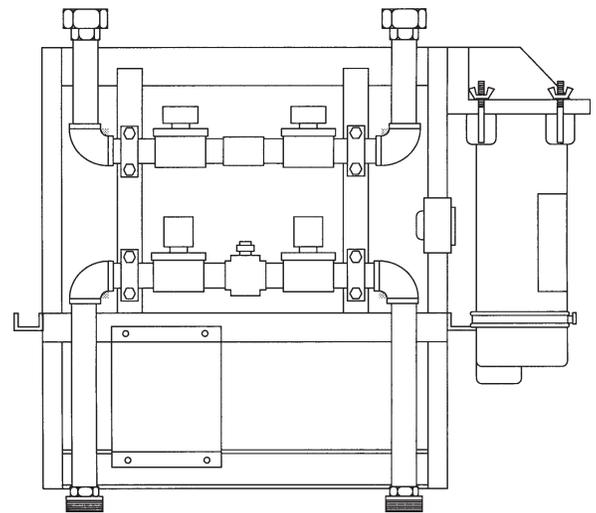
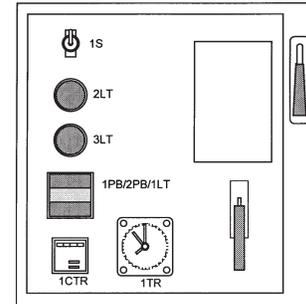
- Brominator: 195 lb; 30" W, 27" H, 17" D
- Control Panel: 50 lb; 22" W, 22" H, 9" D

**Piping Interfaces:** 1" MIL-F-1183 union fittings standard; other fittings available.

**Electrical:** 440 VAC, 60 Hz, 3-phase, 10 amps

**Water Temperature:** 32° F to 120° F

**Operating Pressure:** 30 psig



### Model Designation: 66XX-XXXXX

Denotes Unit Type (51= Recirculating)

Denotes Number of Tanks

Denotes Cartridge Size (C=C3, T=T9)

Denotes Number of Cartridges

Denotes Pump Horsepower

Denotes Automatic Control Option (1=Yes, 0=No)

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