

## Proportioning Bromination System

### General Description:

The Model 6652-C12 Proportioning Brominating System was designed to treat potable water as it is being bunkered or after being manufactured by the ship's water production system. The unit consists of a rugged, below-deck, bulkhead-mounted, brominator assembly. The unique cartridge housing is manufactured from a high-strength plastic that will never corrode. Combined with the corrosion resistant fittings used throughout the unit, reliable service and long life are ensured.

The unit can be operated to brominate potable water to a low total bromine residual (TBR) of 0.2 ppm\* or a high TBR of 2.0 ppm\*. Operating personnel choose which level of TBR they desire with a toggle switch located on the control panel. Lamps on the control panel indicate which bromine level has been chosen. When treating water, a portion of the 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.

\*TBR is a function of many variables. This represents an average.



### Specifications:

**Capacity:** Water maker and bunkering treatment up to 10 gpm.

**Weight:** 50 pounds

**Dimensions:** 19" Wide, 26" High, 13" Deep

**Piping Connections:** 3/4" MIL-F-1183 union fittings are standard but other customer-designated fittings are available.

**Electrical:** 120 VAC, 60 Hz, single-phase, 1 ampere.

**Water Temp:** 32° F to 120° F

**Operating Pressure:** Up to 100 psig.

### Model Designation:

66XX-XXXX

Denotes Unit Type (52= Proportioning)

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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