

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 PVC 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 via a three-way valve. 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 to determine when the cartridge needs to be changed.



*TBR is a function of many variables. This represents an average. Customer to specify water maker capacity when requesting quote.

Specifications:

Capacity: Water maker and bunkering treatment up to 10 gpm (14,000 GPD). Customer to specify incoming flow and discharge pressure from the RO in order to size orifices.

Weight: 50 pounds (est.)

Dimensions: 24 1/2" Wide, 28" High, 8 3/8" Deep

Piping Connections: 3/4" ANSI B16.24 flanges are standard but other customer-designated fittings are available.

Water Temp: 40° F to 120° F

Operating Pressure: Up to 100 psig.

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