



EVERPURE BROMINATION SYSTEMS, THE RIGHT FIT FOR NEW NAVAL COMBAT SHIPS

Pentair Filtration, Inc. is proud to announce that it has supplied Everpure Bromination systems for the U.S. Navy's Littoral Combat Ship (LCS) shipbuilding program. The first LCS, Freedom (LCS 1), was designed and built by a team led by Lockheed Martin at Marinette Marine in Marinette, WI, which is a member of the Manitowoc Marine Group. The ship will be commissioned into Navy service during a ceremony in Milwaukee, WI.

The LCS, which has a complement of 50 personnel and is capable of carrying up to 75, has met its potable water needs with an Everpure SSFM-50AC Proportioning Brominator. This system adds bromine to the water made by the reverse osmosis unit prior to entering one of the two installed storage tanks. The LCS has an SSFM-100DC Recirculating Brominator that is used to raise the bromine residual when it is necessary in either of the two tanks.

The LCS is an entirely new class of warships designed to operate in the near-shore marine environment as well as the open ocean. The LCS can be outfitted with different Mission Packages so that it can engage and defeat mines, quiet diesel submarines and fast surface vessels. The mission packages are supported by special detachments of personnel that will utilize both manned and unmanned vehicles and specialized sensors configured to deal with mine countermeasures, undersea and surface warfare missions.

The installed armament is composed of both guns and missiles. The LCS is equipped with the Raytheon Rolling Airframe Missile (RAM) and a United Defence 57mm/70 Mk 2 gun mount capable of firing 220 shells a minute. The LCS can also support up to two MH-60 R/S helicopters that can be equipped with a variety of sensors and weapons. The LCS is capable of speeds up to 45 knots and has a range of 3,500 nautical miles at 18 knots.



SSFM-50 Brominator

The ultra-reliable SSFM-50 series of brominators provide safe, effective disinfection for marine vessels. Bromine is 4-10 times less noticeable in water than Chlorine, giving you better-tasting water. Yet it provides more disinfectant effectiveness across a broader range of pH range. This is one reason why the SSFM series of proportioning brominators are found on US Navy, USCG, USACE and NOAA ships around the globe.

MARINE DISTRIBUTORS

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