UNIVERSAL COMPLIANCE
with UNIVERSAL SERVICE

Hyde GUARDIAN-US
BALLAST WATER TREATMENT SYSTEM

The completely redesigned Hyde GUARDIAN-US – "Universal Service" – ballast water treatment system (BWTS) is reshaping the ballast water treatment industry. Now, with its USCG-approved system, shipowners can know exactly how their system is performing – no matter where the ship operates and whatever the water quality.

The Hyde GUARDIAN-US BWTS uses an industry-leading intuitive user interface, space-efficient filtration, a powerful UV Chamber to treat ships' ballast water and dose-based performance technology for automatic flow regulation, which adjusts to changing water conditions. Packaged together with world-class remote support, the Hyde GUARDIAN-US is as easy on your crew as it is tough on aquatic invasive species.



HG750U BWTS



GUARDIAN-US ADVANTAGES

- High-powered UV lamps extend the water quality range for reliable operation
- Safe: no dangerous byproducts or chemical reactions
- Industry-exclusive TREATMENT ALARM to indicate when conditions are outside of the boundaries demonstrated during type approval testing
- Intuitive design of the user interface ensures crews cannot mistakenly operate the system incorrectly
- Remote access allows for easy integration with central automation systems and permits troubleshooting and repairs even before the vessel arrives in port





PERFECT FOR RETROFIT INSTALLATIONS

- Simple design delivered as individual components or on an optional skid
- Easily installed in existing ships with small machinery spaces
- Each unit fully tested prior to shipment for ease of installation and commissioning
- Combines efficient filtration with powerful UV disinfection
- Standard systems available for flow rates from 60 m^3/hr to 1000m^3/hr
- Higher flow rates easily achieved through parallel treatment trains





EXPERTS IN UV DISINFECTION

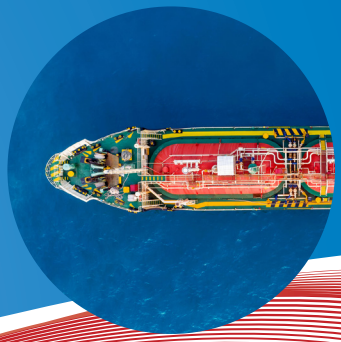
The Hyde GUARDIAN-US BWTS uses specially designed, high-intensity medium pressure UV lamps for the maximum effective disinfection of your ballast water. With more than three decades of experience in UV treatment technology, Hyde Marine has optimized the unit's UV chamber for a minimum pressure drop, optimum dose distribution, and compatibility with the marine operating environment. Instead of controlling UV intensity, the system maximizes flow while delivering the minimum required UV dosage. This ensures that the maximum amount of ballast reaches the tanks in every water condition.



A HISTORY OF EXCELLENCE

By harnessing more than 100 years in the maritime industry and more than 30 years in diverse water treatment & UV technology solutions, Hyde Marine is a respected partner and industry leader. The company's focused research and development commitment enables it to deploy proven ballast water treatment technologies that are reliable, economic, flexible, and easy-to-install – particularly for retrofit applications with no downtime or dry-docking requirements.





APPROVALS HYDE GUARDIAN BWTS HAS ACHIEVED

IMO TYPE APPROVED

USCG TYPE APPROVED

EXPERIENCE OUR SERVICE.

1-855-HYDEBWT
1.855.493.3298
1.724.281.7001
hydemarine.com

Global Service Network
Parts Distribution
Commitment to Training Innovations
Operations Check & Re-commissioning
24-Hour Call Center

BEMA
Ballastwater Equipment Manufacturers' Association

Hyde Marine
Ballast Water Management Technology
A CALGON CARBON COMPANY

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