The Hyde GUARDIAN Gold® Ballast Water Treatment System (BWTS) is regarded by ship owners and operators as the most effective and reliable BWT solution to comply with IMO ballast water treatment regulations. In fact, more than 400 ship owners and operators have made the Hyde GUARDIAN Gold the world’s most used BWTS.

**Control & Power Panels**
- Operates entire system with larger touchscreen LCD panel
- All internal wiring & connections come complete on skid system

**Compact Filter**
- Automatic backwashing
- Provides continuous filtration and flow to ballast tanks

**UV Treatment Chamber & Central Outlet**
- One of the smallest UV reactor footprints — includes a specific number and size of UV lamps depending on total ballast water flow to be treated

**Ballast Water Inlet**
- Common inlet for ballasting and deballasting

**Skid**
- Compact configuration
- Self contained
- Easy to install

**HG250GS BWTS**
PERFECT FOR RETROFIT INSTALLATIONS
- Simple design, skid-mounted
- Easily installed in existing ships with small machinery space
- Perfect for new-build applications
- Combines efficient filtration and UV disinfection
- Standard systems available for flow rates from 60 m³/hr up to 6,000 m³/hr

Experts in UV Disinfection
The Hyde GUARDIAN Gold BWTS uses high intensity ultraviolet (UV) treatment for disinfection. With more than three decades of experience in UV Treatment technology, Hyde Marine carefully designed the unit’s UV chamber for minimum pressure drop, optimum dose distribution, and compatibility with the marine operating environment. UV dosage results from a combination of lamp power flow path, and exposure time. The flow characteristics through the Guardian UV chamber are optimized to make best use of the UV power provided.

UV DISINFECTION ADVANTAGES
- Automatic operation with very little crew attention
- Effective – not affected by water salinity, temperature, or hold time in the ballast tank
- 100% safe without side effects
- Organisms cannot build resistance against UV
- No increased corrosion risk as with chemical oxidants
- No transportation, storage, or handling of chemicals
- No danger of overdosing or release of residual disinfectant
- No harmful toxic or significant nontoxic disinfection by-products

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 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

EXPERIENCE OUR SERVICE.
1-855-HYDEBWT 1.855.493.3298 hydemarine.com
Global Service Network Parts Distribution Commitment to Training Innovations Operations Check & Re-commissioning 24-Hour Call Center