



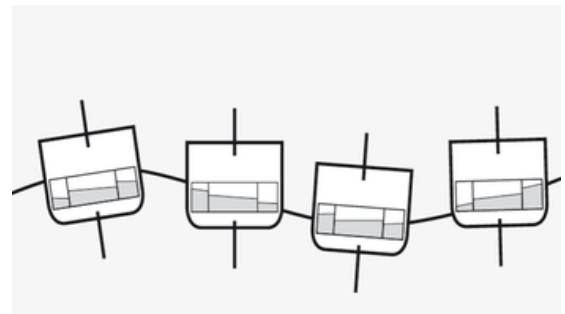
FLUME BOX TANK

Passive roll damping technology for improved safety, comfort and operational efficiency

The FLUME Box Tank reduces vessel roll motions by utilizing the natural movement of water inside a passive tank system. With no moving mechanical components and no additional energy consumption, it provides a reliable and cost-effective solution for improving vessel safety, cargo protection and crew comfort.

Why Hoppe

- Passive box-shaped roll damping tank across the vessel width
- No moving mechanical components
- Energy-free operation
- Reduction of roll motions and accelerations
- Effective at any vessel speed
- Wide operating range across loading conditions
- Low-maintenance and robust design
- Automatic level control upgrade available



Cargo

- Additional container intake potential
- Reduced risk of cargo damage
- Reduced risk of container loss
- Reduced insurance claims
- Greater flexibility in cargo stowage

Vessel Performance

- Reduced fuel consumption
- Reduced power consumption
- Reduced structural loads
- Lower forces on lashing equipment
- Reduced fatigue loads on vessel structures

Crew & Operations

- Increased crew comfort
- Improved route planning
- Enhanced operational efficiency

System Design

- Passive box-shaped tank integrated into the vessel structure
- Generates a counter moment against wave-induced rolling
- Tank period tuned to vessel rolling period
- Adjustable water level for performance optimization
- Covers a wide range of loading conditions
- No dependence on pumps, motors or active control systems

OUR PRODUCT RANGE

Fluid & Floating

- Valve Remote Control
- Anti-Heeling
- Tank Gauging
- Flume Anti-Rolling
- Interling Anti-Rolling
- Distance Measuring
- Draught Measurement
- Electronic Inclinator
- Dynamic Draught and Floating Monitoring
- Floating Condition Control

Performance & Energy

- Emission Monitoring
- Energy Measurement
- Shaft Power Meter
- Fuel Measurement
- Energy Saving Solutions
- Crew Connect
- Performance Monitoring
- Data Collection and Acquisition

Fleet Services

- Spare Parts
- Technical Service
- Retrofit- And Upgrades
- MIoT Digitalization Upgrade

www.hoppe-marine.com

