



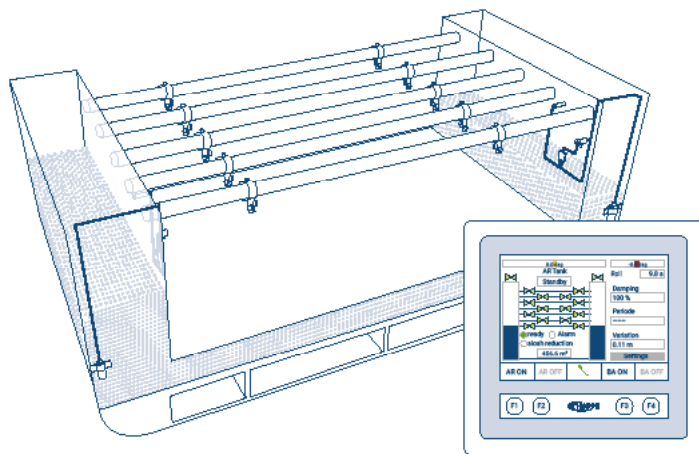
INTERING U-TANK — ROLL DAMPING

Stability provided by the Market Leader in Roll Damping

The U-Tank Roll Damping system uses a passive free surface U-tube type roll damping tank. The stabilizer consists of two wing tanks interconnected via a crossover duct either through or above the double bottom and a closed air duct system including remote operated valves. Hoppe offers different types of U-Tank Roll Damping systems. The difference is the control algorithm to adjust the natural response period of the stabilizer. The response period can be either adjusted by a variation in air damping, the cross-sectional area of the water duct (Hoppe concept) or by delaying the fluid flow (INTERING concept). Equipped with a monitoring and control system which automatically adjusts the response period of the stabilizer it can be operated safely and at maximum efficiency in all operating conditions. The air-damped U-tank is the most cost effective solution applicable for vessels with a relatively narrow band of variation in loading condition. For the INTERING system Hoppe provides only maintenance, services and upgrades.

KEY FEATURES

- Passive free surface U-tube roll damping tank
- Different types of roll damping systems to adjust the natural response period:
 - either by adjusting a variation in air damping, the cross-sectional area of water duct (Hoppe concept)
 - or by delaying the fluid flow (Intering concept)
- Most cost effective solution applicable for vessels with a relatively narrow band of variation in loading conditions



OUR PRODUCT RANGE

CONTROL SYSTEM

- Valve Remote Control
- Anti-Heeling
- FLUME Box Tank — Roll Damping
- INTERING U-Tank — Roll Damping
- Dock Control
- Floating Condition Control

MEASURING SOLUTIONS

- Tank Content Measurement
- Bunker Management
- Draught Measurement
- Dynamic Draught and Floating Monitoring
- Maihak Shaft Power Meter
- Maihak SHaPoLi
- Fuel Consumption Measurement
- Electronic Inclinator

INFORMATION SERVICES

- Performance Monitoring
- Crew Connect
- Fleet Connect

FLEET SERVICES

- Technical Support
- Spare Parts
- Service On Board
- Retrofit

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