



The ORCA product portfolio consists of configurable Line of Demarcation and Waterfront Security System solutions designed to facilitate Access Control Perimeters on the water. ORCA is highly customizable and has been engineered to excel in harsh marine environments. If your organization has a requirement to:

- Establish Exclusion Zones and Boundaries for Sensitive Areas
- Identify security boundaries for Critical Infrastructure
- Discourage public access to private property
- Identify hostile intent related to criminal activity or terrorist acts

ORCA II/III was designed to provide limited stopping power for watercraft and can also be configured with an oil boom. ORCA II/III has been designed to provide secure mounting connections for both fiber rope and stainless steel impact netting. Every component of ORCA II/III can be interchanged without completely disconnecting the barrier section - maintaining a secure access control perimeter during maintenance periods.

ORCA II/III Key Features:

- Customizable - Multiple Configuration - Extensive Optional Equipment
- Variable Buoy Separation Options
- Lightweight and Durable Polymer Construction
- Easily Maneuvered on the Water
- Standard Station Keeping Anchors or Customized Anchoring Solutions Available
- 15 Year Life Cycle



ORCA PRODUCT PORTFOLIO COMPARISON

ORCA II (COMMERCIAL)

Height off water: 1.3 m

Beam: 1.9 m

Draft: 0.2 m

Mass: 240 kg/module Max

kinetic energy: 407 kJ

ASTM level: Level A



ORCA III (MILITARY)

Height off water: 1.8 m

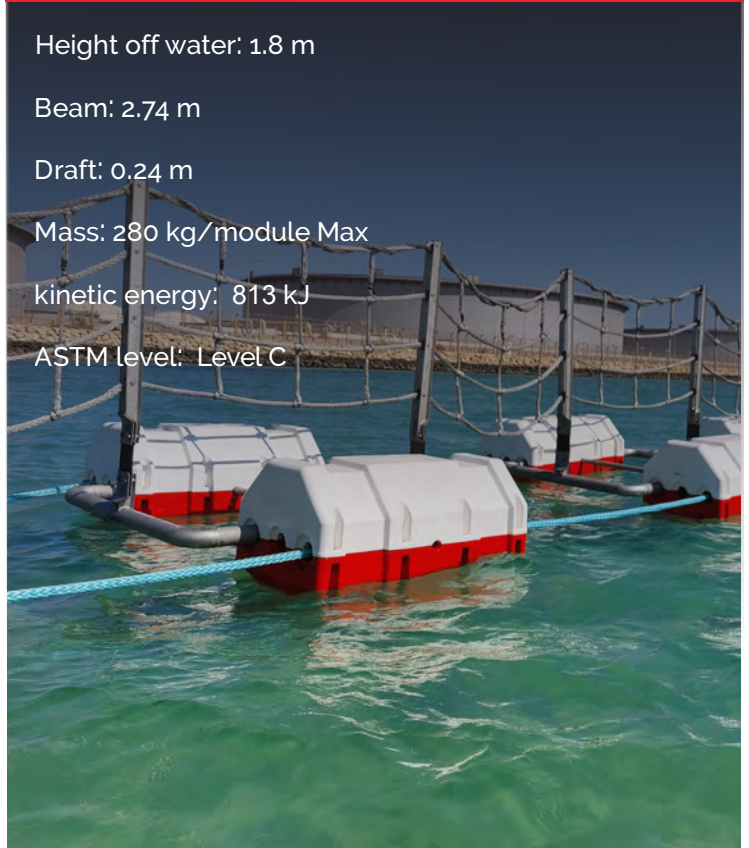
Beam: 2.74 m

Draft: 0.24 m

Mass: 280 kg/module Max

kinetic energy: 813 kJ

ASTM level: Level C



ORCA is suitable for both commercial and military applications and can be fully integrated with existing third-party port security systems or other HALO waterside security barriers.

Applications:

- Restricted Zones
- Safety Zones at Shipyards, Dams, Industrial Facilities
- Recreational Swimming Venues
- Sensitive Environmental Zones
- Boat Ramps
- Property Lines
- Hazards to Navigation
- Special Events Requiring Exclusion Zones:
 - Triathlon Swimming Venues
 - Small Craft Competition & Boat Shows
 - Military Demonstrations
 - Waterfront VIP Events

All HALO systems are available with the following options:

- Lights & Signage
- Security Cameras
- Intrusion Detection
- Marine Netting
- Annunciators
- Oil Abatement/Containment
- Mooring/Anchoring Options
- Multiple Color Options
- 3rd Party Integrations

All HALO Protective Security Barriers are Marine Mammal Friendly and Offer a 15-year Nominal Lifespan