



Waterfront Barrier Model 2001BB

Intent: The intent of this specification is to describe the Yodock Floating Waterfront Barrier (YFWB) Model 2001BB. The YFWB Model 2001BB has been designed and developed by the Yodock Wall Company as a lightweight portable waterfront floating security barrier for application as a floating protective barrier for ports, harbors, marine terminals, shipyards, and other high value or security sensitive waterfront structures and vessels. The design of the 2001BB is based on years of experience and testing of Yodock landside traffic barriers and security systems similar in size and construction. The mid-sized 2001BB waterfront barrier is directly applicable to the following security and related requirements:

- Providing a clear line of demarcation on the water
- Providing an impediment to swimmers attempting to cross into a security area
- Providing an impediment to small vessels attempting to penetrate a security area
- Assisting in the disablement of small vessels attempting to penetrate a security area
- Assisting in providing wave and wind protection by providing a protective lee

Description: The YFWB Model 2001BB is comprised of an external shell of extremely durable 8mm polyethylene plastic. The interior of the barrier unit is fitted with a longitudinal structural steel strength member with a "U" shaped connection or attachment point at each end. The strength member provides the longitudinal or tensile strength for the purpose of connecting units together. The strength member also has two sleeves that extend upward through the main cavity to the top of the unit. These sleeves are designed to accommodate options such as lifting eyes, fencing, and sign posting. The tension member also has steel bars that extend downward through the lower cavity of the unit to the concrete ballast insuring that the internal structure remains securely intact. The internal ballast, which is positioned in the lower portion of the unit cavity, has been designed to ensure that the unit will remain stable and vertical under normal current, wave, and wind conditions. The remaining interior void space of the unit is filled with polyurethane (floatation) foam. Galvanized safety shackles are used to connect the waterfront barrier units together.

Tests: The YFWB Model 2001BB has gone through a series of rigorous structural, corrosion, and survival tests in the laboratory and during field tests in high energy and environmentally harsh locations. Test results on the YFWB Model 2001BB are available upon request.

Construction: Specifications For The Yodock Floating Waterfront barrier Model 2001BB (Note: Waterfront barrier Dimensions and Weights are approximate)

Manufacturer: Yodock Wall Company, Inc.

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Fort Lauderdale , Florida 33304
Phone No. 954-462-1169

Strength Member: Galvanized Structural Steel Channel (C4 x 5.4)

End Eyes: Galvanized 1" x 3" steel plate, drilled with two 7/8" holes

Interior Foam Fill: Polyurethane Closed Cell Foam

Weight (In Air): 800 pounds

Reserve Buoyancy: 750 pounds

Shackle Connector: 3/4 inch (5 ton working load)

Galvanized Safety Shackles & Rings (Connection hardware as required by individual site conditions)

Operating Air Temperature Range: 0° to 140° F (-18° to 60° C)

Conditions & Water Temperature Range: 32° to 110° F (0° to 43° C)

Limitations Salinity Range: Fresh Water To Ocean Water (Up to 35 ppt)

Model: YWFB 2001BB

Shell Material: Recyclable Polyethylene (Rotationally Moulded - 8mm thickness), U.V. Inhibited

Colors: Standard colors available are Natural (Opaque Ivory), Safety Orange , and Black. Other colors are available upon request

Length (Molded): 72 inches (6.00 feet) (1.83 meters)

Length (Overall): 88 inches (7.33 feet) (2.24 meters)

Width (Beam): 18 inches (1.50 feet) (0.46 meters)

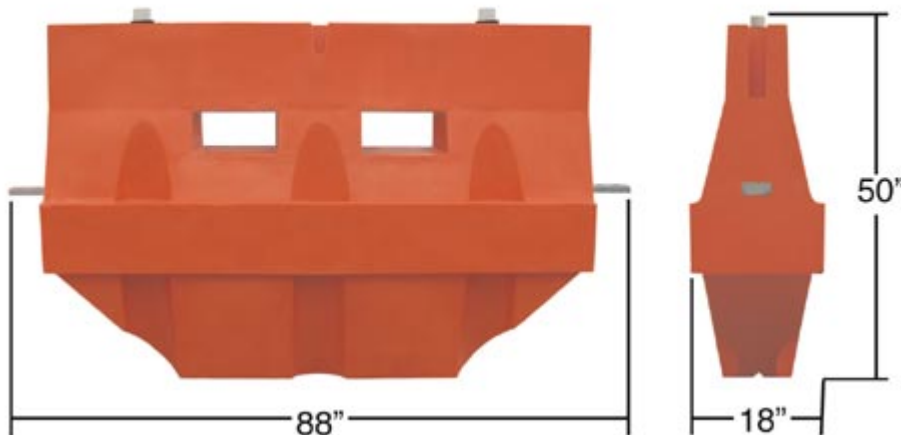
Height (Overall): 47.5 inches (3.96 feet) (1.21 meters)

Draft: 23.5 inches (1.96 feet) (0.60 meters)

Freeboard: 24.0 inches (2.00 feet) (0.61 meters)

Ballast: Fiber Reinforced Concrete

MODEL - 2001BB™
88" Length x 18" Width x 50" Height



Options:

Topside: Chain link fencing, Barb wire / Concertina wire, Marine lighting, Reflective Tape, Signposts, Lifting eyes, Stainless Steel structural members and shackles/hardware

Below: Silt curtain, Anti-swimmer / anti-diver netting

Hardening Options: Welded shackle connections, Wire rope for moorings

Note: Yodock Wall Company, Inc. reserves the right to modify or substitute barrier components, parts, and fittings with items, which will meet or exceed the stated specifications.

