



Product specifications can be found on page 2.



PRODUCT SPECIFICATION

VB8102 ARENA™ II FREESTANDING SIDE-BY-SIDE PORTABLE VOLLEYBALL SYSTEM

REVISED 7/1/17

Entire system shall consist of two end base assemblies, one with built-in official's platform, one center post and base assembly, all safety padding, 2 nets, 2 pair of boundary antennae, center post assembly transport dolly, net tensioning winches and all necessary ballast. System shall also be capable of configuration as a single court with the omission of the center base/post assembly.

System shall be capable of providing elite competition level volleyball play without the use of additional loose ballast, floor hold downs or any wall or ceiling attachment. System shall be suitable for use on all floor systems designed for competition play including maple, molded square tile and synthetic and allow of no less than 250# of net tensioning without movement of the bases.

Primary end base structural steel components shall be a minimum of 4" x 2" tubing with a minimum 1/8" wall thickness. All pivot points to facilitate folding, transport and storage shall be 1 1/4" steel pins. Welded end bases shall provide fully enclosed ballast compartments that are properly loaded with ballast at the factory. System shall be capable of setup by one person. All steel components shall have a gray hammertone polyester powder coated finish. End bases shall rest on the floor when in the transport position on eight (8), 8" diameter, 2" wide urethane casters. When rolled into playing position, front of system shall be lowered to the floor onto two 15 3/4" x 2" urethane skid bars. Skid bars shall be lowered by means of lever action activated when the end poles are raised into the playing position.

The telescoping integral post design shall insure that no portion of the standards protrude above the top of the net at any net height setting on either end. The 3" steel outer tube shall have a minimum wall thickness of 7/32". The inner telescoping pole shall be 6061-T6 aluminum tubing and have a 2 1/2" OD with a 13/64" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube.

Center post/base assembly shall be constructed of heavy tubular and sheet steel with a gray hammertone polyester powder coated finish. The 3" OD steel and 2 1/2" OD aluminum inner posts shall have the same adjustability features as the posts on the end base assemblies and be fully padded to meet all applicable standards.

Net height shall be infinitely variable from a minimum of 80" to 98" with a single, spring assisted threaded release knob per post and have the capability of being locked into place at men's, women's and junior's height with a detent locking pin. Men's, women's and junior's height settings shall be clearly identified on the inner telescoping tube by machined markings.

The nets shall be one meter high, be constructed of black polypropylene 3 1/2mm knotless woven webbing, have a Kevlar top rope and a polypropylene bottom rope. The top ropes shall rest on rope saving top domes. The top, bottom and sides of the nets shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the nets shall be tensioned by means of machined winches with a 26:1 ratio worm gear mounted on each end standard. All winch shafts shall rotate in sealed ball bearings. Winches shall be designed to have a non removable folding handle and to tension to a 2" wide nylon webbing strap that is attached to the net top rope. Net bottom ropes shall be tensioned by means of ratcheting style tensioners. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two ratchet style rope tensioners per end.

Top and bottom net ropes shall be covered for player safety between the standards and the edge of the net by no less than 1/2" thick foam padding with white vinyl cover. Entire front and sides of the end bases and front of the structural upright shall be padded to a minimum height of 72" with a combination of 2" and 1" thick high density foam covered with vinyl in your choice of 17 colors. Padding can at no cost be printed with up to 10 letters per side. System shall include official boundary antennas.

Total system weight shall be approximately 3900#. The padded end bases shall be approximately 40" wide in the back and taper to 17" wide in the front x 48" long. The total stored dimension shall be approximately 40" wide x 69" long x 80" high on the official's stand base and 51" high on the down official's side.

System shall carry a limited lifetime warranty on winch and steel bases, a 5-year padding warranty and a 2-year net and antenna warranty.

Installation to be completed in accordance to manufacturer's instructions. Do not scale drawings.



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