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**PRODUCT SPECIFICATION**

VB8100 ARENA™ II FREESTANDING PORTABLE VOLLEYBALL SYSTEM

REVISED 1/24/23 L.M.

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 no less than 250# of net tensioning without movement of the bases.

Primary 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 base shall provide a fully enclosed ballast compartment that is 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. Entire system 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 pole is 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.

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 net 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 rope shall rest on rope saving top domes. The top, bottom and sides of the net shall be finished with white-coated tarpaulin fabric with double stitched hemmed edges. The top of the net shall be tensioned by means of a machined winch with a 26:1 ratio worm gear mounted on the official platform standard. All winch shafts shall rotate in sealed ball bearings. Winch 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 rope shall be tensioned by means of a ratcheting style tensioner. 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 base 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. For Arena II Court Adder order VB810.

System weight shall be approximately 1500# per end or 3200# total. The padded base 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. Entire system shall meet or exceed all NCAA, USVBA, NFHS and FIVB specifications in effect at the date of this publication.

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



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